EXHIBIT C

Environmental Documents

(ENV-2024-8218-HES) Appendices

APPLICATIONS

HOUSING ELEMENT PROJECT CHECKLIST FORM
Project Within the Scope of The Housing Element Program EIR

OVERVIEW

On November 24, 2021, the City Council certified the Citywide Housing Element 2021-2029 and Safety Element Updates Final Environmental Impact Report (EIR), SCH No. 2021010130, EIR No. ENV-2020-6762-EIR (Program EIR), to adopt the 2021-2029 Citywide Housing Element and the Updates to the Safety Element and the Plan for a Healthy LA (Health Element). Pursuant to CEQA Guidelines Sections 15168(c)(4) and 15168(d), the following Proposed Housing Project has been found to be within the scope of the program analyzed in the Program EIR and its environmental effects are within the scope of environmental impacts assessed in the Program EIR, and Addendum No. ENV-2020-6762-ADD1 and ENV-2020-6762-ADD2.

For additional information regarding this form, see the Housing Element Project Checklist Form Instructions (CP-4091) at the Department of City Planning Forms Page.

PROPOSED HOUSING PROJECT

Name and Address of Proposed Project, or APN #s if no address:

The ROW DTLA Residential Project 747–787 South Alameda Street, 1312–1396 East 7th Street, 136-196 South Central Avenue, 1301–1327 East 8th Street, 700–760 South Market Court, 720–746 South Terminal Street, and 747 and 760 South Warehouse St. Los Angeles, CA 90021

Brief Description of Proposed Project:

The Project proposes a mixed-use development within three (3) buildings containing 1,000 residential units including 114 affordable units (11 percent Very Low Income units [VLI])) and 6,547 square feet of commercial (retail/restaurant) within the Development Area of the Project Site. Building A would include 1,119 square feet of commercial uses located on the first floor; 410 residential units at first though eighth floor; and two (2) levels of subterranean parking as well as above grade parking located on the first floor. Building B would include 214 residential units located on the first through eighth floor, and two (2) levels of subterranean parking as well as above grade parking located on the first floor. Building C would include 5,428 square feet of commercial uses on the first floor; 376 residential units at the first through eighth floor; and two (2) levels of subterranean parking as well as above grade parking located on the first floor. The proposed buildings would range from approximately 100 feet to 103 feet in height. Upon completion, 884,278 square feet of new floor area would be provided within the Development Area with a total of approximately 2,477,695 square feet of floor area provided within the Project Site. The Project would include 1,092 vehicular parking spaces. The Project would also include a total of 96,278 square feet of open space within the Development Area of which 90,378 square feet would be common open space, and 5,900 square feet would be private open space. The existing uses within the remainder of the Project Site outside of the Development Area would remain and would not be modified by the Project. The Project will also comply with all applicable Environmental Protection Measures (EPMs) and guidelines set forth in Chapter 1A of the Zoning Code.

☑ Please check this box if you have provided an attachment with additional project description information to this form.

DETERMINATIONS

Based upon the attached, "Project Within the Scope of the Housing Element Program EIR Checklist and Analysis," the whole of the administrative record on the Proposed Housing Project, and a review and consideration of the Program EIR, the decisionmaker finds all the following statements to be true:

1. This Proposed Housing Project is within the scope of the previously approved program for which the Program EIR was certified.
2. This Proposed Housing Project will have no significant environmental effects not examined in the Program EIR.
3. The Program EIR adequately described the Proposed Housing Project for the purposes of California Environmental Quality Act (CEQA).
4. Pursuant to CEQA Guidelines Section 15162, no substantial changes to the project analyzed in the Program EIR are proposed as part of this Proposed Housing Project. Further, no substantial changes have occurred with respect to the circumstances under which the Program EIR was certified, and no new information of substantial importance, which was not known and could not have been known with the exercise of reasonable diligence at the time that the Program EIR was certified as complete, has become available.
5. All applicable mitigation measures, identified in the Program EIR Mitigation Monitoring Program (Program MMP), have been satisfied or incorporated into the Proposed Housing Project or will be made into enforceable obligations on the Proposed Housing Project. A mitigation and monitoring program for the proposed housing project (Project MMP) has been prepared for adoption.

NOTES

As demonstrated by the responses to the questions herein and the technical reports included in Appendix D, the Project is within the scope of the Housing Element Program EIR that was certified and the Project would not result in significant impact environmental effects not examined in the Program EIR.

Reviewed and Approved by Planning Staff Signature: 

Print Planner Name: Michelle Carter

Phone Number: 213.978.1262 **Date:** November 13, 2025

ATTACHMENT

PROJECT WITHIN THE SCOPE OF THE HOUSING ELEMENT PROGRAM EIR - CHECKLIST AND ANALYSIS

The following checklist and analysis shall be used to determine if the Proposed Housing Project, described below, is within the scope of the Citywide Housing Element 2021-2029 and Safety Element Updates Final EIR, SCH No. 2021010130, EIR No. ENV-2020-6762 (Program EIR), certified by the City Council.

A. PROPOSED HOUSING PROJECT CONTEXT

A.1 Project Location Details:

The Project Site consists of three (3) irregularly shaped parcels that collectively measure approximately 30.65 acres and is located within the Downtown Community Plan area of the City. The Project Site is located at 747–787 South Alameda Street, 1312–1396 East 7th Street, 136-196 South Central Avenue, 1301–1327 East 8th Street, 700–760 South Market Court, 720–746 South Terminal Street, and 747 and 760 South Warehouse St. Los Angeles, CA 90021.

A.2 Surrounding Area and Uses:

The area surrounding the Project Site is primarily developed with warehouses, cold storage facilities, small-scale manufacturing operations, other industrial uses commercial office uses, commercial retail uses, and residential uses have been developed in the vicinity of the Project Site.

A.3 Project Contact/Owner Information:

Jeffrey Goldberger, Principal
ALAMEDA SQUARE OWNER LLC
40 W 57th Street, 29th Fl
New York, NY 10019

A.4 Document Prepared by:

Eyestone Environmental, LLC, 101 Continental Blvd, Suite 240, El Segundo, CA 90245

☑ Check here if additional pages for Section A are attached.

B. PROGRAM EIR BACKGROUND

B.1 CEQA Guidelines Section 15168

The California Environmental Quality Act (CEQA) provides for limited environmental review of subsequent projects under a Program EIR. (CEQA Guidelines Section 15168.) Later activities under a continuing program analyzed in the Program EIR must be examined to determine whether any additional environmental analysis must be conducted. (Guidelines Section 15168(c)(1).) If a lead agency finds that pursuant to Guidelines Section 15162, no subsequent EIR would be required, the lead agency can approve the activity as being within the scope of the project covered by the Program EIR, and no new environmental document would be required. (Guidelines Section 15168(c)(2).) Whether a later activity is within the scope of a Program EIR is a factual question that the lead agency determines based upon substantial evidence in the record. (Guidelines Section 15168(c)(2).) The lead agency shall incorporate feasible mitigation measures from the Program EIR Mitigation and Monitoring Program (MMP) into later activities in the program. (Guidelines Section 15168(c)(3).) Where the later activities involve site specific operations, the lead agency should use a written checklist to determine whether the environmental effects of the site-specific operations are within the scope of the Program EIR. (Guidelines Section 15168(c)(4).)

B.2 Program EIR

In certifying the Program EIR and approving the project, the City Council adopted the following findings related to the scope of the project analyzed in the Program EIR and the types of impacts analyzed:

> *The EIR analyzed the build out of the Regional Housing Needs Assessment (RHNA), that is the build out of 420,327 housing units in eight years (456,643 RHNA minus 36,316 housing units that have received approvals but have not yet been built and/or received the certificate of occupancy [pipeline projects]). The EIR analyzed the program-level impacts from the full build out of the RHNA, as well as the project-level impacts that occur from the development of the types of housing projects that will be developed from build out of the RHNA. The following types of housing projects were analyzed and within the scope of this EIR:*
>
> - *Multi-family residential, ranging from small apartment buildings with two to 10 units, medium apartment buildings with between 11-49 units, large apartment buildings with between 50-200 units, or larger apartment buildings and high-rise structures with more than 200 units.*
> - *Single-family residential, ranging in size and scale from smaller single-family homes to larger single-family homes, small-lot subdivisions and new single subdivisions.*
> - *Accessory dwelling units (ADUs), including attached ADUs, detached ADUs, Junior ADUs, ADUs converted from existing floor area, multiple ADUs on lots with existing multi-family dwellings, and Movable Tiny Homes.*
> - *The mixed-use development ranges in size and scale from neighborhood commercial mixed-use with smaller nonresidential uses, to high-rise mixed-use with larger nonresidential uses.*

- *Conversion and/or rehabilitation of existing nonresidential, residential, or mixed-use structures to be used for housing.*

Housing types for different income levels were analyzed, including single-resident occupancy and affordable housing that may be for families, seniors, residents with special needs or permanent supportive housing. The EIR also analyzed the impacts from various locations, geographies, and environments where build out of the RHNA could occur, including the following:

- *Sites currently zoned for residential uses, including multi-family and single-family uses;*
- *Sites currently zoned for commercial uses, which permit residential uses;*
- *Sites currently zoned for hybrid industrial uses, which permit joint live-work residential uses;*
- *Non-vacant sites, and sites with existing housing;*
- *Sites located near public transit;*
- *Sites located in a Historic Preservation Overlay Zone (HPOZ)*
- *Sites located in areas with special environmental considerations, such as areas located by Open Space, Hillside Areas, Very High Fire Hazard Severity Zones (VHFHSZ) or Coastal Zones.*

To analyze project-level impacts on the environment from the variety of housing types and locations that could potentially be built to accommodate the RHNA citywide, the City established a team of experienced project planners who have experience in reviewing environmental documents and analyzing or consulting on environmental impacts for housing projects, as well as other development types, across the entire City geography, including project planners who work in the Major Projects Section, who are responsible for reviewing and preparing all EIRs citywide for the Planning Department; planners who work in the Citywide Environmental Policy Unit who are responsible for advising on all CEQA impact issues, training and advising planners on preparing CEQA clearances; as well as project planners who review and prepare exemptions, negative declarations, mitigated negative declarations, and sustainable communities environmental assessments (SCEAs) within specific geographies in the City. After assembling this consulting team, the City surveyed the thousands of environmental assessments that have been prepared in the last five years for housing development of the type that will build out the RHNA and selected 54 case studies to discuss in the EIR which identify both the typical- and worst-case environmental impacts from housing development. In the survey of environmental assessments, it was determined that the City reviews hundreds of discretionary housing projects every year for CEQA compliance, that the largest majority of housing projects do not require mitigation, as many housing development projects are found to be exempt from CEQA (specifically, hundreds of categorical exemptions are used for small to medium scale housing projects, including Class 32 for infill projects up to 75 units or less); and less than 10 percent of discretionary housing projects require an EIR due to significant and unavoidable impacts. Based on this, the case studies are more heavily weighted toward larger-scale projects or those in sensitive environments that are more likely to have significant impacts. Smaller projects in more urban infill areas typically do not require an EIR, a mitigated negative declaration, or SCEA, unless there are specific site conditions, such as historical resources, site contamination, or archaeological resources, that

raise potential environmental impact concerns. The case studies, which include EIRs, mitigated negative declarations, and SCEAs, were selected based on the type of project (e.g., multi-family residential, single-family residential, ADUs, mixed-use development, and conversion and/or rehabilitation), scale of project (single-family to large tower/mixed use), locations with the broadest range of geographies and environmental conditions, and levels of development and density (hillsides, urban, regional centers, coastal, and suburban areas), as well as projects that include income-restricted projects. The intent was to be conservative and identify all of the reasonably foreseeable ways housing can result in environmental impacts in the City, as well as identify the best mitigation measures developed to address those impacts. The City finds the case studies reviewed in the EIR and their identified level of impacts (i.e., no impacts, less than significant impacts, less than significant impacts with mitigation, and significant and unavoidable impacts) are representative of the typical- and worst-case environmental impacts of housing development to be built to accommodate the RHNA. Also, the City finds that it is not reasonably foreseeable that housing development that will build out the RHNA will have significant impacts in those impact categories that were scoped out in the Initial Study (Appendix A to the FEIR). Additionally, the City finds the mitigation measures, developed in the EIR and included in the MMP, to be used by projects within the scope of the EIR, are comprehensive and based on the screening criteria included in those mitigation measures, further studies, and performance standards will, in a majority of circumstances, reduce environmental impacts from housing development to less than significant. However, based on the findings below and the EIR analysis, even with the application of the mitigation measures in the MMP, significant impacts identified in the Program EIR Findings can still occur from housing development of all types throughout the City. The City Council finds the EIR has analyzed and identified the significant impacts that are reasonably foreseeable from housing development in the City for the types of housing projects (described above) that will accommodate the RHNA. (Appendix A: Citywide Housing Element 2021-2029 and Safety Element Updates Final EIR, CEQA Findings of Facts and Statement of Overriding Considerations.)

Additional information regarding the analysis of the impacts from housing projects or the Housing Element Program and build-out of the RHNA is provided in Environmental Analysis, Section 4.0, of the Draft EIR.

B.3 Environmental Impacts Analyzed in the Program EIR

The environmental impacts analyzed and the impact conclusions identified for Projects within the Scope of the Program EIR are shown in Appendix A, CEQA Findings of Facts and Statement of Overriding Consideration for the 2021-2029 Citywide Housing Element and Safety Element Updates, and in the Program EIR, which may be found at https://planning.lacity.org/development-services/eir.

B.4 Program EIR Mitigation Measures

The City Council adopted the Program MMP for the 2021-2029 Housing Element, (Program MMP). The Program MMP provides that, subject to City authority, the applicable mitigation measures in the Program MMP shall be imposed as conditions of approval for a project analyzed as a subsequent approval pursuant to CEQA Guidelines Section 15168.

C. FINDING THAT THE PROPOSED HOUSING PROJECT IS A PROJECT WITHIN THE SCOPE OF THE PROGRAM FOR WHICH THE PROGRAM EIR WAS CERTIFIED

Check all of the boxes in Table C-1 that describe the Proposed Housing Project:

Table C-1

☑	**Multi-family residential development** – Range from small apartment buildings with two to 10 units, medium apartment buildings with between 11-49 units, large apartment buildings with between 50-200 units, or larger apartment buildings and high-rise structures with more than 200 units
☐	**Single-family residential development** – Range in size and scale from smaller single-family homes to larger single-family homes, small lot subdivisions, and new single-family subdivisions
☐	**Accessory dwelling unit (ADU)** - Include attached ADUs, detached ADUs, Junior ADUs, ADUs converted from existing floor area, multiple ADUs on lots with existing multi-family dwellings, and Movable Tiny Houses
☑	**Mixed-use development** - Range in size and scale from neighborhood commercial mixed use with smaller nonresidential uses, to high-rise mixed-use with larger nonresidential uses
☐	**Conversion and/or rehabilitation** – Existing nonresidential, residential and mixed-use structures to be converted/rehabilitated for housing
☑	**Housing type for different income levels**, including single-resident occupancy and affordable housing that may be for families, seniors, residents with special needs or permanent supportive housing

SECTION C CONCLUSION

Check one of the following:

☑ **AT LEAST ONE BOX IN TABLE C-1 IS CHECKED**

The Proposed Housing Project is within the scope of the program that was analyzed in the Program EIR. Go to Section D and E to determine if the site-specific environmental effects of the Proposed Housing Development are within the scope of the Program EIR.

☐ **NONE OF THE BOXES IN TABLE C-1 ARE CHECKED**

The Proposed Housing Project is not within the scope of the program that was analyzed in the Program EIR. A separate environmental analysis is required.

D. MITIGATION MEASURES FOR THE PROPOSED HOUSING PROJECT

The mitigation measures (MMs) listed in the Mitigation Measure Tables, in Section D.1 below, list each of the MMs in the Program MMP. To complete this Section D, each MM in the Mitigation Measure Tables shall be reviewed to determine if the threshold for the measure is met or triggered for the Proposed Housing Project.

The following steps shall be followed to complete Section D:

In the Mitigation Measure Tables in Section D.1, for each referenced mitigation measures "MM", check "Yes" or "No" by following these instructions:

- For any MM for which the project does not meet the threshold of applicability (that is, it is not triggered), mark "No" and provide a brief explanation citing to the evidence as to why it is not triggered by the project. To determine the threshold trigger you may look at the Housing Element Checklist Instruction [Form CP-4091] or the mitigation measures itself in the Program MMP.
- If a MM meets the threshold for applicability and is triggered by the project but will not be implemented either because there is a substituted measure or it cannot be implemented for some reason, mark the MM as "Yes." If a substituted mitigation measure is proposed, in Section D.2 check the applicable box that a substitute measure will be used and check the box that Appendix "A" will be filled out and provide the required analysis in Appendix A. If a mitigation measure will not be implemented with no substitute measure, mark the third box in the Conclusion to Section D and check "Yes" in the screening criteria for E.1.b and prepare the necessary analysis in Section E.2.
- If a MM meets the threshold for applicability for the project and it requires a study or assessment to be performed, mark "Yes" and perform the study or assessment to implement the MM as required in Section E.1.a. The study or assessment may find that the Project will not have an impact. In that case, no mitigation measures will be put in the Proposed Housing Project MMP in Appendix "B", but the box in Section D.1 should still be marked "Yes" because the threshold was met for the Project. See the Instructions document for more details.
- If a MM is marked as "Yes" and does not require a study or assessment, add the MM to the Proposed Housing Project MMP in Appendix "B" and no further explanation is needed.

D.1. Mitigation Measure Tables

Mitigation Measure		Proposed Housing Project Meets Threshold in MM in Program EIR MMP
Air Quality		
4.2-2(a)	Construction Emissions Reduction	☑ Yes ☐ No
4.2-2(b)	Operations Emissions Reduction	☑ Yes ☐ No
4.2-3	Construction TAC Reduction Measures	☐ Yes ☑ No
Brief explanation: In accordance with Mitigation Measures 4.2-2(a) and (b), an evaluation of construction and operational emissions associated with the Project is included as Appendix D.1. With regard to TAC emissions during construction, as the Project would use EPA Tier 4 emissions compliant equipment for all equipment rated 50 horsepower or greater, Mitigation Measure 4.2-3 regarding analysis of TAC emissions is not applicable to the Project. No significant impacts associated with TAC emissions would occur and no mitigation measures are required. In addition, use of Tier 4 emissions equipment has been included as a Condition of Approval for the Project.		
Biological Resources		
4.3-1(a)	Biological Resources Reconnaissance Survey and Reporting	☐ Yes ☑ No
4.3-1(b)	Sensitive Species/Habitat Avoidance: Pre-Construction Bird Nest Surveys, Avoidance, and Notification	☐ Yes ☑ No
4.3-1(c)	Focused Surveys for Rare Plants	☐ Yes ☑ No
4.3-1(d)	Adaptive Management Plan	☐ Yes ☑ No
4.3-2(a)	Habitat Mitigation and Monitoring Plan	☐ Yes ☑ No
4.3-2(b)	Protected Tree and Tree Canopy Survey	☑ Yes ☐ No

Mitigation Measure		Proposed Housing Project Meets Threshold in MM in Program EIR MMP
Brief explanation: The proposed Development Area within the Project Site is currently developed with surface parking and ornamental landscaping and thus does not include natural or undeveloped land. In addition, the Development Area does not have the potential to support special-status species or contain sensitive habitat and the Development Area is not within 300 feet of suitable habitat to support special-status species. Thus, Mitigation Measures 4.3-1(a) through 4.3-1(d) and Mitigation Measure 4.3-2(a) related to surveys, reporting, adaptive management plans and habitat mitigation and monitoring plans are not applicable to the Project. In accordance with Mitigation Measure 4.3-2(b), a protected tree survey was prepared for the Project and is included in Appendix D.2.		
Cultural Resources		
4.4-1(a)	Identification of Built-Environment Historical Resources	☑ Yes ☐ No
4.4-1(b)	Rehabilitation of Historical Resources	☐ Yes ☑ No
4.4-1(c)	Design Requirements for New Construction	☐ Yes ☑ No
4.4-1(d)	Relocation and Rehabilitation of Historical Resources	☐ Yes ☑ No
4.4-1(e)	Historic American Building Survey Documentation	☐ Yes ☑ No
4.4-1(f)	Interpretive Program	☐ Yes ☑ No
4.4-1(g)	Construction Monitoring, Salvage, and Reuse	☐ Yes ☑ No
4.4-1(h)	Temporary Protective Relocation	☐ Yes ☑ No
4.4-1(i)	Excavation and Shoring Plan	☐ Yes ☑ No
4.4-1(j)	Structural Construction Monitoring	☐ Yes ☑ No
4.4-2	Archaeological Resources	☑ Yes ☐ No

Mitigation Measure		Proposed Housing Project Meets Threshold in MM in Program EIR MMP
Brief explanation: A historical resources assessment was prepared in accordance with Mitigation Measure 4.4-1(a) and is included in Appendix D.3. As discussed therein, the Project would not demolish, destroy, relocate, or alter any of the contributing buildings in the Los Angeles Union Wholesale Terminal (District), and the District and its contributing buildings would retain all of their character-defining features and would continue to have sufficient integrity to convey their significance following completion of the Project. The assessment also found that the Project would not materially impair the significance of any of the historical resources in the vicinity of the Project Site. In addition, as evaluated in Appendix D.4, construction of the Project would not result in vibration impacts to on- or off-site historical resources. Therefore, the Project would not have a significant impact on any historical resources on or in the vicinity of the Project Site. As no historical resources would be directly or indirectly impacted by the Project, Mitigation Measures 4.4-1(b) through 4.4-1(j), which include measures to project historical resources including rehabilitation, design, survey documentation, interpretive programs, construction monitoring, salvage, reuse, relocation, and shoring, are not applicable to the Project. In accordance with Mitigation Measure 4.4-2, a cultural resources assessment was prepared and is included in Appendix D.5 along with a substitute measure for a portion of Mitigation Measure 4.4-2.		☐ ☐
Geology and Soils		
4.5-1(a)	Paleontological Procedures for Discretionary Projects	☑ Yes ☐ No
4.5-1(b)	Worker Environmental Awareness Program, Fossil Salvage, and Construction Monitoring	☑ Yes ☐ No
4.5-1(c)	Construction Monitoring	☑ Yes ☐ No
4.5-1(d)	Fossil Discovery, Salvage, and Treatment	☑ Yes ☐ No
Brief explanation: In accordance with Mitigation Measure 4.5-1(a), a paleontological resources assessment has been prepared and is included as Appendix D.6 and Mitigation Measures 4.5-1(b) through 4-5-1(d) will also be implemented as part of the Project.		

Mitigation Measure		Proposed Housing Project Meets Threshold in MM in Program EIR MMP
Hazards and Hazardous Materials		
4.7-2(a)	Environmental Site Assessment	☑ Yes ☐ No
4.7-2(b)	Site Remediation and Health and Safety Plan	☑ Yes ☐ No
Brief explanation: In accordance with Mitigation Measure 4.7-2(a), Phase I and Phase II Site Assessments were prepared for the Project and are attached as Appendix D.7. In accordance with Mitigation Measure 4.7-2(b), a Health & Safety Plan (HASP) is also included in Appendix D.7.		
Hydrology and Water Quality		
4.8-1	Drainage Pattern Alterations and Flood Control	☐ Yes ☑ No
Brief explanation: There are no unusual circumstances related to drainage and flood control within the Project Site. Specifically, the Project will comply with all regulatory requirements related to drainage patterns and flood control, including the City's Low Impact Development and erosions control requirements. Thus, no impacts related to drainage and flooding would occur with construction of the Project and no mitigation measures are required.		
Noise		
4.10-1(a)	Noise Shielding and Silencing	☑ Yes ☐ No
4.10-1(b)	Use of Driven Pile Systems	☑ Yes ☐ No

Mitigation Measure		Proposed Housing Project Meets Threshold in MM in Program EIR MMP
4.10-1(c)	Enclosures and Screening	☑ Yes ☐ No
4.10-1(d)	Construction Staging Areas	☑ Yes ☐ No
4.10-1(e)	Temporary Sound Barriers	☑ Yes ☐ No
4.10-1(f)	Project-Specific Construction Noise Study	☑ Yes ☐ No
4.10-2	Project-Specific Operational Noise Study	☑ Yes ☐ No
4.10-3(a)	Vibration Control Plan	☑ Yes ☐ No
4.10-3(b)	Vibration Mitigation	☑ Yes ☐ No

Brief explanation:

Mitigation Measures 4.10-1(a) through 4.10-1(f) will be implemented as part of the Project. In accordance with Mitigation Measures 4.10-1(f) and 4.10-2, a noise study has been prepared and is included in Appendix D.4.

Public Services		
4.12-1(a)	Design Plans Review	☐ Yes ☑ No
4.12-1(b)	Emergency Access	☐ Yes ☑ No
4.12-1(c)	Hillside Fire/Vegetation Management Plan	☐ Yes ☑ No
4.12-1(d)	Submittal of Plot Plan	☐ Yes ☑ No
4.12-2(a)	Crime Prevention Unit Consultation	☑ Yes ☐ No
4.12-2(b)	Security During Construction	☑ Yes ☐ No

Mitigation Measure		Proposed Housing Project Meets Threshold in MM in Program EIR MMP
Brief explanation: The Applicant has submitted plans to the LAFD for review. In addition, the Project would comply with all LAFD requirements related to design and emergency access and LAFD has not found that existing regulations are inadequate to address fire safety and access. In addition, the Project Site is not located within a VHFHSZ or SRA or a hillside area. Furthermore, as discussed in Section 4.14, below, the Project will implement a Construction Management Plan to ensure adequate and safe access during construction. Thus, Mitigation Measure 4.12-1(a) through 4.12-1(d) are not applicable to the Project. The Project will implement Mitigation Measure 4.12-2(a) and Mitigation Measure 4.12-2(b).		
Transportation		
4.14-1	Construction Management Plan	☐ Yes ☑ No
4.14-2	Transportation Demand Management Program	☐ Yes ☑ No
Brief explanation: LADOT's existing guidelines require a construction management plan and thus this measure is not triggered. As demonstrated by the Transportation Assessment included as Appendix D.8, the Project will not result in significant impacts associated with VMT. As such Mitigation Measure 4-14-2 is not applicable to the Project. Nonetheless, the Project will incorporate bike parking per LAMC requirements, including short-term and long-term parking facilities and bicycle amenities.		
Tribal Cultural Resources		
4.15-1(a)	Native American Consultation and Monitoring for Discretionary Projects	☑ Yes ☐ No
4.15-1(b)	Discovery of Potential Tribal Cultural Resources	☑ Yes ☐ No

Mitigation Measure		Proposed Housing Project Meets Threshold in MM in Program EIR MMP
Brief explanation: In accordance with Mitigation Measure 4.15-1(a), a cultural resources assessment has been prepared and is included as Appendix D.5. The Project will also implement substitute Mitigation Measure for Mitigation Measure 4.15-1(b) as discussed below.		
Wildfire		
4.17-1	Hillside Construction Staging and Parking Plan	☐ Yes ☑ No
4.17-3	Undergrounding of Power Lines in and Near an SRA and VHFHSZs	☐ Yes ☑ No
Brief explanation: The Project Site is not located in a State Responsibility Area (SRA) or a Very High Fire Hazard Safety Zone (VHFHSZ) as mapped by the latest CalFire mapping. As such, Mitigation Measures 4.17-1 and 4.17-3 are not applicable to the Project. Refer to CalFire maps at https://experience.arcgis.com/experience/5065c998b4b0462f9ec3c6c226c610a9. In addition, the Department of City Planning concurs that the LAFD recommendations are adequate and the Project would not result in the impairment of emergency response or evacuation plans.		

D.2. Substitute Mitigation Measures

THE APPLICANT FOR THE PROPOSED HOUSING PROJECT IS PROPOSING SUBSTITUTED MITIGATION MEASURES FOR ANY OF THE MITIGATION MEASURES THAT ARE CHECKED AS "YES" ABOVE

☑ Yes ☐ No

If YES, include the substituted mitigation measures below, with the necessary findings showing the mitigation measure is equal or more effective to the mitigation measures in the Program Mitigation Monitoring Program at reducing the significant impact to less than significant and no new significant impact will result from the substitution:

Any attachments or technical studies that support findings will need to be printed out and attached to Appendix D and will be included in the project file.

WILL THE APPENDIX "A" WILL BE FILLED OUT? ☑ Yes ☐ No

Fill out the Appendix "A" page at the end of the checklist to list any substituted measures and any additional pages to support findings.

SECTION D CONCLUSION

Check one of the following (Note: this may require the analysis in Section E to be completed first):

☐ None of the mitigation measures from the Program MMP are applicable to the Proposed Housing Project.

☑ All applicable mitigation measures (including substitute measures and measures identified in studies or assessments required by a MM in the Program MMP) will be imposed on the Proposed Housing Project through the adoption of a Proposed Housing Project MMP and conditions of approval, or have already been incorporated into the Proposed Housing Project.

☐ Not all applicable mitigation measures will be imposed on the Proposed Housing Project through conditions of approval, or have already been incorporated into the Proposed Housing Project.

E. FINDING THAT SITE SPECIFIC EFFECTS FROM THE PROPOSED HOUSING PROJECT WERE ANALYZED IN THE PROGRAM EIR

E.1 Screening Criteria

The following screening questions shall be answered to evaluate whether the Proposed Housing Project has the potential for site-specific or project-specific circumstances or conditions to result in an environmental effect not examined in the Program EIR. If any of the following questions are answered 'Yes', further analysis will be required in Section E.2.

a. Did any mitigation measures marked "Yes" in Section D.1 require further analysis or study?
☑ Yes ☐ No

If **Yes**, prepare any studies and conduct any analysis required by the mitigation measure, per Section E.2.

b. Does the Proposed Housing Project lack compliance with a mitigation measure (including a substitute mitigation measure) identified as applicable to the Proposed Housing Project in Section D?
☐ Yes ☑ No

If **Yes**, determine if the environmental effect was examined in the Program EIR, per Section E.2.

c. Would the Proposed Housing Project require a variance or specific plan exception to provide relief from a standard required to protect scenic resources or scenic quality in an adopted Code, Specific Plan, or overlay ordinance (e.g., the Mulholland Scenic Parkway Specific Plan, the San Gabriel/Verdugo Mountains Scenic Preservation Specific Plan)?
☐ Yes ☑ No

If **Yes**, conduct an analysis of Questions I.a and I.c in Appendix G of the CEQA Guidelines to determine if the Proposed Housing Project will have an effect that was not examined in the Program EIR, per Section E.2.

d. Would the Proposed Housing Project involve the modification or destruction of a scenic resource or obstruction of public view of a scenic resource?
☐ Yes ☑ No

If **Yes**, conduct an analysis of Questions I.a and I.c in Appendix G of the CEQA Guidelines to determine if the Proposed Housing Project will have an effect that was not examined in the Program EIR, per Section E.2.

e. Would the Proposed Housing Project involve rezoning agriculturally zoned land?
☐ Yes ☑ No

If **Yes**, conduct an analysis of Question II.b in Appendix G of the CEQA Guidelines to determine if the Proposed Housing Project will have an effect that was not examined in the

Program EIR, per Section E.2.

f. Would the Proposed Housing Project be within 50 feet of a fault delineated on the Alquist-Priolo Earthquake Fault Zoning Map?

☐ Yes ☑ No

If **Yes**, conduct an analysis of Question VII.a.i in Appendix G of the CEQA Guidelines to determine if the Proposed Housing Project will have an effect that was not examined in the Program EIR, per Section E.2.

g. Would the Proposed Housing Project result in significant impacts to VMT using the thresholds and methodology provided in the LADOT Transportation Assessment Guidelines?

☐ Yes ☑ No

If **Yes**, conduct an analysis of VMT to determine if the Proposed Housing Project will have an effect that was not examined in the Program EIR, per Section E.2.

h. Would the Proposed Housing Project have peculiar or unique project or site characteristics from those analyzed in the Program EIR that could result in an effect not examined in the Program EIR (e.g., projects that conflict with an adopted Airport Land Use Plan or Water Quality Management Plan, or sites in use for mineral resource recovery (does not include oil and gas), projects involving septic tanks)?

☐ Yes ☑ No

If **Yes**, conduct an analysis to determine if the Proposed Housing Project will have an effect that was not examined in the Program EIR, per Section E.2.

i. Is the project located within one mile of a freeway offramp and does it require a transportation assessment by the Los Angeles Department of Transportation (DOT)?[1]

☐ Yes ☑ No

If **Yes**, conduct an analysis of freeway queueing, as required by DOT, to determine if the Proposed Housing Project will have an effect that was not examined in the Program EIR, per Section E.2.

SECTION E.1 CONCLUSION

After finishing review of the screening questions in Section E.1, check one of the following boxes.

☐ **ALL SCREENING QUESTIONS ARE MARKED 'NO'**

[1] Transportation assessments are typically required if the project would both generate a net increase of 250 or more daily vehicle trips and would result in a net increase in daily VMT. DOT would also require a transportation assessment if the project is replacing an existing number of residential units with a smaller number of residential units, and the proposed project is located within one-half mile of a heavy rail, light rail, or bus rapid transit station.

Pursuant to CEQA Guidelines Section 15168(c)(4), the environmental effects of the Proposed Housing Project were within the scope of the Program EIR. Prepare a Mitigation and Monitoring Program for the Proposed Housing Project (Project MMP). No further analysis is required.

☑ **ONE OR MORE SCREENING QUESTIONS ARE MARKED 'YES'**

Go to Section E.2.

E.2 Analysis to Determine if the Proposed Housing Project Would Have Effects Not Examined in the Program EIR

Instructions:

Conduct all analysis required in Section E.1 to determine if the Proposed Housing Project would have one or more environmental site- or project-specific effect(s) not examined in the Program EIR.

The following site- or project-specific effects are not effects that were examined in and within the scope of the Program EIR:

- a significant impact that would result because the Proposed Housing Project will not comply with a mitigation measure found applicable to the Proposed Housing Project from the Program EIR, or will not comply with a substituted mitigation measure of equal or equivalent effectiveness (see Conclusion in Section D).
- a significant impact in an impact category found in the Program EIR to be less than significant, less than significant with mitigation, or have no impact;
- a significant impact that cannot be mitigated to less than significant with mitigation measures in the Program EIR or by a substituted mitigation measure, in any of the following impact categories, which are impacts that by their nature would have impacts unique to the resource(s):
    - to a historical resource;
    - to a biological resource;
    - to an archaeological resource;
    - to a paleontological resource;
    - to tribal cultural resources;
    - related to hazardous materials; or
    - related to wildfires.

Without limitation, the following effects from a Proposed Housing Project are effects examined in and within the scope of the Program EIR:

- a significant and unavoidable impact related to criteria pollutant air quality standards from construction NOx, PM_{10} and $PM_{2.5}$ emissions;
- a significant and unavoidable impact related to criteria pollutant air quality standards from operational NOX, VOC, PM_{10}, and $PM_{2.5}$ emissions; or

- a significant and unavoidable impact (project or cumulative) related to construction and operational noise or vibration impacts.

SECTION E.2 ANALYSIS

Complete analysis required in Sections E.1 and E.2 below. Analysis required in E.1 should include why the project will or will not have a significant impact, any required mitigation measure, whether any significant impact is within the Program EIR, and summarize the conclusion of any required study or assessment. If more space is required to provide analysis, it can be attached as Appendix "C." Attach any studies or assessments to Appendix "D."

The following analysis is provided as required based on the following questions from Section E.1 and E.2:

ADDITIONAL ANALYSIS IS PROVIDED IN APPENDIX "C" ☑ Yes ☐ No

STUDIES OR ASSESSMENTS ARE ATTACHED IN APPENDIX "D' ☑ Yes ☐ No

SECTION E.2 CONCLUSION

Based on the analysis above, and the whole of the administrative record, substantial evidence supports that (check one):

☑ **THE PROPOSED HOUSING PROJECT WILL NOT HAVE EFFECTS NOT EXAMINED IN THE PROGRAM EIR.**

The Proposed Housing Project is fully within the scope of the program and its impacts were examined in the Program EIR. Prepare a Mitigation and Monitoring Program for the Proposed Housing Project (Project MMP) for all mitigation measures identified in Subsection D and E, as applicable. No additional environmental analysis documents need to be prepared.

☐ **THE PROPOSED HOUSING PROJECT WILL HAVE ONE OR MORE EFFECTS NOT EXAMINED IN THE PROGRAM EIR.**

A tiered negative declaration or tiered environmental impact report will be prepared for the following environmental effect(s) pursuant to CEQA Guidelines Section 15152:

Impacts to be Analyzed in Tiered CEQA Clearance:

All other effects are within the scope of the Program EIR and require no further analysis pursuant to CEQA Guideline Section 15152. The analysis provided herein shall be relied upon, in part, to support adoption of the tiered document as only being required to analyze the above listed impact(s).

APPENDIX A

SUBSTITUTED MITIGATION MEASURES

List any Substituted Mitigation Measures, if any, along with any additional documents to support findings in the section below. State the MMs being substituted for, state the name of the substitute MM being used in the Project MMP. Substitute MMs should be identified with the prefix "SMM." Also include an explanation of how the Substitute MM is equal or more effective at preventing or reducing a significant impact and discuss whether the SMM will result in new significant impacts; do not merely state conclusions.

As discussed further below, two SMMs have been proposed with regard to archaeological and tribal cultural resources.

Archaeological Resources

The following substitute mitigation measure replaces Section I of Mitigation Measure 4.4-2:

> **SMM Section I**—Prior to issuance of a grading permit and prior to the start of any ground-disturbing activity, the applicant shall retain a qualified archaeologist who meets the Secretary of the Interior's Professional Qualification Standards to oversee an archaeological monitor who shall be present during construction excavations, such as demolition, clearing/grubbing, grading, trenching, or any other construction excavation activity associated with the project, including peripheral activities, such as sidewalk replacement, utilities work, and landscaping, which may occur adjacent to the project site. The frequency of monitoring shall be based on the rate of excavation and grading activities, the materials being excavated (younger sediments vs. older sediments), the depth of excavation, and, if found, the abundance and type of archaeological resources encountered. Full-time monitoring may be reduced to part-time inspections, or ceased entirely, if determined adequate by the qualified archaeologist. Prior to commencement of excavation activities, Archaeological Sensitivity Training shall be given for construction personnel. The training session shall be carried out by the qualified archaeologist and shall focus on how to identify archaeological resources that may be encountered during earthmoving activities and the procedures to be followed in such an event.
>
> The details of the monitoring and training shall be summarized in an Archaeological and Tribal Cultural Resources Monitoring Plan (Monitoring Plan) prepared by the qualified archaeologist, in consultation with all interested Tribes, prior to the commencement of ground disturbing activities for the project. The Monitoring Plan shall include compliance with Section J of Mitigation Measures 4.4-2 and Mitigation Measure 4.15-1(b), including the portions referring to the implementation of a Cultural Resources Monitoring Program (CRMP). The Monitoring Plan will provide details regarding the process for infield treatment of inadvertent discoveries of archaeological and tribal cultural resources and the disposition of inadvertently discovered non-funerary resources, and shall be consistent with the treatment of unique archaeological resources in PRC Section 21083.2.

SMM Section I maintains the same requirements in Section I of Mitigation Measure 4.4-2 and adds a provision that requires the qualified archaeologist to prepare a Monitoring Plan. The Monitoring Plan provides details on the implementation of the archaeological monitoring and worker training, as well

as the inadvertent discovery protocol described in Section J of Mitigation Measure 4.4-2. Because Native American archaeological resources potentially encountered in the Project Site may also be a tribal cultural resource, SWCA recommends that the Monitoring Plan address both archaeological and tribal cultural resources by incorporating the same requirements described for the "cultural resources monitoring program (CRMP)" as defined in Mitigation Measure 4.15(a). Moreover, because the mitigation measures for each type of resource require equivalent actions to be taken, a Monitoring Plan that addresses both types of resources together will help to ensure consistency during implementation of the mitigation measures. The potential for impacts to an archaeological or tribal cultural resource is the same if the mitigation measures are implemented according to the Monitoring Plan. Thus, substituting Section I of Mitigation Measure 4.4-2 is more effective and will not cause a new significant impact. With the exception of Section J of Mitigation Measure 4.4-2, no other portions of Mitigation Measure 4.4-2 are necessary to reduce potentially significant impacts because the provisions apply to resources identified before Project construction or are superseded by the more detailed requirements in SMM Section I.

Tribal Cultural Resources

The following substitute mitigation measure replaces Mitigation Measure 4.15.1 (b):

> **SMM TCR-MM-1**—Prior to commencing any Ground Disturbance Activities at the Project Site, the Applicant, or its successor, shall retain a qualified tribal monitor from the Gabrieleño Band of Mission Indians—Kizh Nation (Tribe). Ground Disturbance Activities shall include demolition, excavating, digging, trenching, plowing, drilling, tunneling, quarrying, grading, leveling, clearing, driving posts, augering, backfilling, blasting, stripping topsoil, potholing, pavement removal, grubbing, tree removals, boring or a similar activity at the project site. Prior to the commencement of any Ground Disturbance Activities, the Applicant and the Tribe shall execute an agreement for a tribal monitor at a reasonable rate, determined in good faith, consistent with industry standards, taking into account factors such as the scope and duration of the Project and substantial evidence for the presence or absence of tribal cultural resources. If the terms of service cannot be agreed upon, or if no response is received within 10 days of soliciting a request, the Applicant may contact another California Native American tribe included on the Native American Heritage Commission's Tribal Contact List and request the services of a tribal monitor.
>
> Prior to commencing any Ground Disturbance Activities, the tribal monitor, shall provide Worker Environmental Awareness Program (WEAP) training to construction crews involved in Ground Disturbance Activities that includes information on regulatory requirements for the protection of tribal cultural resources. As part of the WEAP training, construction crews shall be briefed on proper procedures to follow should a crew member discover tribal cultural resources during Ground Disturbance Activities. In addition, workers will be shown examples of the types of resources that would require notifying the tribal monitor. The Applicant shall maintain on the Project Site, for potential City inspection, documentation establishing the WEAP training was completed for all members of the construction crew involved in Ground Disturbance Activities.
>
> The tribal monitor shall observe Ground Disturbance Activities on the Project Site when they are taking place in sediments capable of containing tribal cultural resources, as determined by a Qualified Archaeologist in consultation with the Tribe and supported by substantial evidence. The tribal monitor(s) will complete daily monitoring logs that will provide descriptions and locations of the relevant Ground Disturbing Activities, the type of construction activities performed, soil types,

cultural-related materials, and any other facts, conditions, materials, or discoveries of significance to the Tribe. Monitor logs will identify and describe any discovered tribal cultural resources as defined in California Public Resources Code Section 21074. Copies of monitor logs will be provided to the project applicant and/or the City upon request to the Tribe(s). The tribal monitoring shall end when either 1) confirmation is received from the Applicant, in writing, that all scheduled activities pertaining to tribal monitoring and all Ground Disturbance Activities are completed; or 2) the Tribe(s) provides a determination, in writing and supported by substantial evidence, that no future, planned construction activity, and/or development/construction phase at the project site possesses the potential to impact any tribal cultural resources.

In the event that any objects or artifacts that may be tribal cultural resources are encountered during the course of any Ground Disturbance Activities, all such activities shall temporarily cease within the area of discovery, the radius of which shall be 50 feet or otherwise determined by the Qualified Archaeologist in consultation with the tribal monitor, until the potential tribal cultural resource is properly assessed and addressed pursuant to the process set forth below:

1. If the Qualified Archaeologist and Tribe determine the resources are Native American in origin, the Tribe will recommend steps for treatment of all discovered tribal cultural resources in the form and/or manner the Tribe deems appropriate, in the Tribe's reasonable discretion, and for any purpose the Tribe deems appropriate, including for educational, cultural and/or historic purposes.

2. The Applicant shall implement the Tribe's recommendations if the Qualified Archaeologist concludes that the Tribe's recommendations are reasonable and feasible. In addition to any recommendations from the Tribe(s), the Qualified Archaeologist shall develop a list of actions that shall be taken to avoid or minimize impacts to the identified tribal cultural resources substantially in compliance with any applicable federal, state or local law, rule or regulation, including but not limited to Public Resources Code Section 21083.2.

3. Ground Disturbance Activities may recommence outside of the specified radius of the discovery site, so long as this radius has been reviewed by both the archaeological monitor and tribal monitor(s) and determined to be reasonable and appropriate, and so long as the Applicant has complied with all of the recommendations developed and approved pursuant to the process set forth in Paragraphs 1 and 2 above.

4. Copies of any subsequent archaeological study, tribal cultural resources study or report, detailing the nature of any significant tribal cultural resources, remedial actions taken, and disposition of any significant tribal cultural resources shall be submitted to the South Central Coastal Information Center at California State University, Fullerton and to the Native American Heritage Commission for inclusion in its Sacred Lands File.

5. Notwithstanding Paragraph 4 above, any information that Los Angeles Department of City Planning, in consultation with the Los Angeles City Attorney's Office, determines to be confidential in nature shall not be published under the applicable provisions of the Government Code Sections 7929.000 and 7929.005, and subdivision (d) of Section 15120 of Title 14 of the California Code of Regulations.

6. Archaeological and Native American monitoring and excavation during construction projects will be consistent with current professional standards. All feasible care to avoid any unnecessary disturbance, physical modification, or separation of human remains and associated funerary objects shall be taken.

SMM TCR-MM-1 includes provisions that satisfy the same minimum requirements in Mitigation Measure 4.15-1(b) but adds requirements for worker training and tribal monitoring in areas with sensitivity for tribal cultural resources. The substitute measure includes elements of the three measures requested by the Gabrieleño Band of Mission Indians—Kizh Nation, specifically the elements stipulating the requirements for and methods used by a tribal monitor during ground-disturbing activities. The other elements of the measures requested by the Gabrieleño Band of Mission Indians—Kizh Nation are addressed in the other provisions of the substitute measure based on the minimum requirements incorporated from Mitigation Measure 4.15-1(b), such as requirements for tribal consultation while assessing potential tribal cultural resources and identifying appropriate forms of treatment for confirmed resources. The substitute measure also incorporates additional details to clarify the performance standards and ensure compliance with existing regulations, conformance with industry standards and best practices, and compatibility with other mitigation measures for the Project, specifically those for archaeological resources.

SMM TCR-MM-1 and Section J of Mitigation Measure 4.4-2 require an archaeological monitor to be present during excavations, provide archaeological sensitivity training to construction personnel prior to initiating construction, and then follow an archaeological resource discovery protocol. Details on these procedures would be described in a Monitoring Plan that SWCA recommends be included as part of the substitute measure. The provisions in these measures would apply to a Native American site, feature, or object that may also be a tribal cultural resource. Implementation of substitute measure TCR-MM-1 would ensure that any potential tribal cultural resources discovered during Project activities would be assessed as a tribal cultural resource and subject to appropriate forms of treatment. Specific procedures to implement the inadvertent discovery protocol would already be included in the Monitoring Plan, which would function in the same capacity as and incorporate all performance standards as the CRMP defined in Mitigation Measure 4.15-1(b).

By maintaining the same minimum requirements in Mitigation Measure 4.15-1(b) and adding requirement to conduct tribal monitoring, consistent with the sensitivity assessment and measures requested by the Gabrieleño Band of Mission Indians—Kizh Nation, the substitute mitigation measure TCR-MM-1 is more effective and will not cause a new significant impact to tribal cultural resources.

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APPENDIX B

PROJECT MMP

Include the Mitigation Monitoring Program for the Proposed Housing Project as an attachment. Include any Mitigation Measures still to be implemented by the Project. This includes:

- Measures directly taken from the Program MMP, to be included in the Project MMP verbatim (these would be measures that did not require a study or assessment in Screening Criteria E.1.a),
- Measures identified in a study or assessment required by MMs from the Program MMP, incorporated in the Project MMP as implementation measures, and
- Measures included as substitutes for measures in the Program MMP, included as Substituted Mitigation Measures in the Project MMP and analyzed in Appendix "A."

APPENDIX C

ADDITIONAL ANALYSIS

Any additional analysis needed to demonstrate support for the conclusions found in the Housing Element Checklist form should be included here as Appendix C. Only include enough analysis necessary to support the conclusions in the Checklist form; do not conduct an Initial Study-style analysis of every impact category. Recall that a Program EIR has already been certified for the Housing Element, and the analysis here in the Checklist is to show that the project is included within the scope of the Program EIR, and that the applicable mitigation measures have been incorporated into the Project's Conditions of Approval. Include references to which part of the Checklist any analysis in this Appendix is intended to support.

Air Quality

The Project will require greater than 5,000 cubic yards of cut and fill and will result in more than 150 daily truck trips during construction. As such, an evaluation of construction emissions is included as Appendix D.1. As demonstrated therein, with use of off-road equipment greater than 50 horsepower that meets Tier 4 emission standards, the Project would not result in significant construction-related air quality impacts and no additional mitigation measures are required.

With regard to operational air quality impacts, the Project includes more than 612 multi-family residential units. As such, an evaluation of operational air quality emissions associated with the Project is included as Appendix D.1. As demonstrated therein, operation of the Project would not result in significant operational-related air quality impacts and no additional mitigation measures are required.

Biological Resources

In accordance with Mitigation Measure 4.3-2(b), a protected tree survey was prepared for the Project and is included in Appendix D.2. As demonstrated therein, none of the on-site trees are species that are protected by the City of Los Angeles' Protected Tree & Shrub Ordinance No. 186873. Thus, no protected trees are shrubs would be removed as part of the Project. In addition, no street trees would be removed as part of the Project. Thus, no impacts would occur and no additional mitigation measures are required.

Cultural Resources

The Project Site includes the Los Angeles Union Wholesale Terminal (District) that was formally determined eligible for the National Register of Historic Places and is listed in the California Register. In addition, 12 other historical resources are located in the Project vicinity. As such, a historical resources assessment was prepared in accordance with Mitigation Measure 4.4-1(a) and is included in Appendix D.3. As discussed therein, the Development Area is comprised of surface parking areas and does not include any historical resources. Thus, the Project would not demolish, destroy, relocate, or alter any of the contributing buildings in the District, and the District and its contributing buildings would retain all of their character-defining features and would continue to have sufficient integrity to convey their significance following completion of the Project. The assessment also found that the Project would not materially impair the significance of any of the historical resources in the

vicinity of the Project Site. In addition, as evaluated in Appendix D.4, construction of the Project would not result in vibration impacts to on- or off-site historical resources. Therefore, the Project would not have a significant impact on any historical resources on or in the vicinity of the Project Site.

In accordance with Mitigation Measure 4.4-2, a cultural resources assessment was prepared and is included in Appendix D.5. As concluded therein, with implementation of a SMM for Section I of Mitigation Measure 4.4-2 that incorporates more stringent requirements including a Monitoring Plan during grading and excavation, potential impacts would be less than significant and no additional mitigation measures would be necessary.

Geology and Soils

In accordance with Mitigation Measure 4.5-1(a), a paleontological resources assessment has been prepared and is included as Appendix D.6. The paleontological resources assessment concludes that with implementation of Mitigation Measures 4.5-1(b) through 4-5-1(d), potential impacts to paleontological resources resulting from construction of the Project would be less than significant and additional mitigation measures would be required.

Hazards and Hazardous Materials

The Project Site includes a Hybrid Industrial zoning designation and there are listed hazardous materials sites within 500 feet of the Project Site and thus Mitigation Measure 4.7-2(a) is triggered. This mitigation measure will also be implemented in accordance with EPM HM1-2, which includes the same provisions as Mitigation Measure 4.7-2(a). In accordance with this measure, a Phase I and Phase II Site Assessment were prepared for the Project. These reports are attached as Appendix D.7. The Phase II requires monitoring and recommended implementation of a Vapor Intrusion Mitigation System (VIMS) membrane to address potential soil gas impacts along with a Soils Management Plan (SMP). In accordance with Mitigation Measure 4.7-2(b), a Health & Safety Plan (HASP) was also recommended as part of the Phase II to be developed in the future grading work at the site. The SMP, which is included in Appendix D.7, provides procedures for identification, segregation, verification sampling and profiling for off-site disposal of impacted soil. The HASP, which is also included in Appendix D.7, specifies procedures for protection of worker and community health and safety during implementation of the removal action. The VIMS membrane recommended for the Project as part of the Phase II has been incorporated as Implementing Mitigation Measure 4.7-2(c) and includes provisions for performance monitoring of the engineering control system to address vapor intrusion into the residential structures. With implementation of the procedures in the SMP and HASP and Implementing Mitigation Measure 4.7-2(c), Project impacts associated with hazards and hazardous materials would be less than significant. No additional mitigation measures are required.

Noise

Mitigation Measures 4.10-1(a) through 4.10-1(f) would be implemented as part of the Project and are also same requirements set forth in EPMs NV1-1 through NV1-6 that are incorporated into Chapter 1A of the Zoning Code and apply to the Project.

APPENDIX C

In accordance with Mitigation Measures 4.10-1(f) and 4.10-2, a noise study has been prepared and is included in Appendix D.4. The noise study addresses potential impacts associated with construction and operation of the Project and concludes that noise impacts would be less than significant and no additional mitigation measures would be required.

The Project would also implement a Vibration Control Plan as set forth in Mitigation Measure 4.10-3(a). The Vibration Control Plan would ensure that potential vibration impacts to nearby historical resources would be less than significant.

The Project would also implement Mitigation Measure 4.10-3(b), which prohibits impact pile drivers and metal-tracked equipment and requires that construction activities be managed and coordinated to limit vibration.

Public Services

In accordance with Mitigation Measure 4.12-2(a), the Los Angeles Fire Department has reviewed the Project and the Planning Department has confirmed with LAFD that the requirements under the Fire Code are adequate to mitigate potential impacts based on unusual site, roadway, or project conditions. In addition, the Project will implement security during construction as specified by Mitigation Measure 4.12-2(b).

Tribal Cultural Resources

In accordance with Mitigation Measure 4.15-1(a), a cultural resources assessment that includes an evaluation of potential impacts associated with tribal cultural resources has been completed for the Project and is included as Appendix D.5. As part of the tribal cultural resources assessment, tribal consultation has occurred.

The Project will implement SMM TCR-1, which is more protective than and replaces Mitigation Measure 4.15-1(b). As discussed in the tribal cultural resources assessment included as Appendix D.5, when implemented in conjunction with substitute text for Section I of Mitigation Measure 4.4-2, which provides for a Monitoring Plan, this substitute mitigation measure would reduce potentially significant impacts to tribal cultural resources to less-than-significant levels and no additional mitigation measures would be required.

Conclusion

As demonstrated by the information provided in this checklist, the Project is included within the scope of the Program EIR and all applicable measures from the Program EIR will be incorporated into the Project's Conditions of Approval. In addition, as discussed above, the Project includes two more stringent substitute relative to archaeological and tribal cultural resources and also includes additional Implementing Mitigation Measure 4.7-2(c) that requires implementation of a VIMS membrane system to address potential soil vapor intrusion. With implementation of these mitigation measures, no significant impacts would occur and no other mitigation measures would be required.

APPENDIX D

TECHNICAL STUDIES OR ASSESSMENTS

Any attachments or technical studies that support findings will need to be printed out and attached as Appendix D, and will be included in the project file. This includes any studies required by mitigation measures from the Program EIR. Include the studies themselves here, and any analysis based on them elsewhere as appropriate.

The following technical studies are included as Appendix D:

Appendix D.1 – Air Quality Analysis
Appendix D.2 – Protected Tree Survey
Appendix D.3 – Historical Resources Report
Appendix D.4 – Noise Report
Appendix D.5 – Cultural Resources Report
Appendix D.6 – Paleontological Resources Assessment
Appendix D.7 – Hazards Reports (Phase I, Phase II and Soil Gas Study, Soil Management Plan, and Health and Safety Plan)
Appendix D.8 – Transportation Assessment

Additional Project Description Information

Proposed Housing Project

Brief Description of Proposed Project:

Zoning and the General Plan Land Use Designation

The City Council adopted the Downtown Community Plan Update (DTLA 2040) on May 3, 2023, and it became effective on January 27, 2025. Along with the approval of DTLA 2040, new zones created through the City's comprehensive zoning code update were adopted, and new general plan land use designations and zones were applied to parcels within the Downtown Community Plan area. With the adoption of DTLA 2040 and the new zones, the Project Site is designated as Hybrid Industrial and is zoned as [MB2- SH1-5] [IX3-FA] [CPIO] ([Mid-Rise Broad 4 Form District, Shopfront 1 Frontage District, Development Standard District 5] [Industrial Mixed 3 Use District, Limited By Floor Area Density District] [Downtown Community Plan Implementation Overlay District]). The MB2 Form District, IX3 Use District, and the FA Density District are expressly corresponding districts to the Project Site's Hybrid Industrial land use designation. The Project Site's zoning is therefore consistent with the Project Site's land use designation. The MB2 Form District allows for zero setback with a base Floor Area Ratio of 3:1, and unlimited height. The SH1 Frontage District specifies frontage design requirements, including requiring street-facing entrances. Development Standard District 5 prioritizes pedestrian experience with the intent to ensure buildings are integrated with the surrounding public realm and promotes walking as a safe and convenient mobility option. The IX3 Use District zone allows for allows for a broad range of uses, including: schools, medical facilities, retail and commercial services, and residential dwelling.

Project Description

As shown on Table 1, the Project proposes a mixed-use residential and commercial development within three buildings containing 1,000 residential units including 11% Verly Low Income units (VLI) (114 VLI units) and 6,547 square feet of commercial (retail/restaurant) within the Development Area. Building A would include 1,119 square feet of commercial uses located on the first floor; 410 residential units at first though eighth floor; and two levels of subterranean parking as well as above grade parking located on the first floor. Building B would include 214 residential units located on the first through eighth floor, and two levels of subterranean parking as well as above grade parking located on the first floor. Building C would include 5,428 square feet of commercial uses on the first floor; 376 residential units at the first through eighth floor; and two levels of subterranean parking as well as above grade parking located on the first floor. The proposed buildings would range from approximately 100 feet to 103 feet in height. Upon completion, 884,278 square feet of new floor area would be provided within the

Development Area. When accounting for the existing floor area to remain, a total of approximately 2,477,695 square feet of floor area would be provided within the Project Site for a total averaged FAR of 1.86:1. The Project would include 1,092 vehicular parking spaces. The Project would include a total of 96,278 square feet of open space within the Development Area of which 90,378 square feet would be common open space and 5,900 square feet would be private open space. Common open space would be provided in the form of amenities such as lobby areas, gym, lounge areas, pool, and outdoor seating areas. The Project would also include 88,275 square feet of landscaped areas. The existing uses within the remainder of the Project Site outside of the Development Area would remain and would not be modified by the Project.

Table 1
Proposed Project

Land Use	Proposed Development
Studio	516 du
Residential: APT—1 BDR	402 du
Residential: APT—2 BDR	82 du
Commercial	6,547 sf
Covered Parking	374,945 sf
Gym	1,500 sf
Resident Lounge Areas	10,240 sf
Total	

Source: Eyestone Environmental, 2025.

Lighting and Signage

All Project lighting would comply with current energy standards and codes (i.e., California Code of Regulations, Title 24, Part 11; referred to as the CALGreen Code) in effect at the time of construction while providing appropriate light levels to accent signage, architectural features, and landscaping elements. Light sources would be shielded and/or directed toward Project Site areas to minimize light spill-over to neighboring properties and the surrounding area while utilizing low-level exterior lights at the site perimeter, as needed, for aesthetic, security, and wayfinding purposes. Additionally, new street and pedestrian lighting within the public right-of-way would provide appropriate and safe lighting levels on both sidewalks and roadways, while minimizing light and glare on adjacent properties, in compliance with applicable City regulations and with approval by the City's Bureau of Street Lighting. Glass in building façades would be selected for qualities such as low reflectivity to reduce glare; energy efficiency to limit solar heat gain; high visibility for adequate light transmission; and acoustic performance to reduce noise from outside.

Sustainability Features

The Project would support environmental sustainability by incorporating sustainable building features and construction protocols required by the Los Angeles Green Building Code (LAMC Chapter IX, Article 9), the California Green Building Standards Code (California Code of Regulations, Title 24, Part 11; referred to as the CALGreen Code), and the California Building Energy Efficiency Standards (California Code of Regulations, Title 24, Part 6; California Energy Code). The Project also represents an infill development in close proximity to existing bus lines and would utilize and/or improve existing pedestrian and utility infrastructure to service the proposed uses. Sustainability features would include, but are not limited to, water conservation features that include the use of native plants, passive cooling strategies, Energy Star–labeled appliances, a bicycle-friendly site design, and waste reduction features.

Furthermore, the Project would comply with the City's electric vehicle (EV) charging station ordinance, which requires at least 40 percent of residential parking spaces capable of supporting future electric vehicle supply equipment (EVSE) and 10 percent of the residential parking spaces equipped with EVSE to create electric vehicle (EV) charging stations.

Off-Site Improvements

The Project would require minor off-site improvements that would generally be contained within the adjacent rights-of-way to the Project Site. Off-site improvements would consist of the removal/relocation of curb, sidewalk and street improvements, planting of street trees, and removal and installation of various underground utility infrastructure.

Anticipated Construction Schedule

Project construction would begin with the demolition of surface parking areas. The Project would be constructed in phases starting with the South Lot Buildings commencing construction from 2026 to 2029, and the North Lot Building from 2030 to 2032. The foundation would then be laid, followed by building construction, and then finally paving and landscaping installation. Project excavation would extend to a depth of up to 28 feet below ground surface. It is estimated that up to 152,610 cubic yards of export would be hauled off the Project Site. Haul trucks would generally travel out of the Project Site onto 7th Street and along Alameda Street to and from Interstate 10 and the Project Site.

Requested Permits and Approvals

Approvals required for the Project would include, but may not be limited to:

- Pursuant to Los Angeles Municipal Code (LAMC) Section 17.15, a Vesting Tentative Tract Map No. VTT-84331-HCA to permit the merger and re-subdivision of three (3) lots to allow five (5) ground lots and 14 airspace lots in the M2-2D Zone (current [MB2 -SH1-5] [IX3-FA] [CPIO] Zone);

- Pursuant to LAMC Section 17.13, a haul route approval for the export of approximately 152,610 cubic yards of earth materials from the project site;
- Pursuant to LAMC Section 17.11, a Modification of Requirements in conjunction with a Vesting Tentative Tract Map for the waiver of required dedications and street improvements along Central Avenue, 7th Street, and Alameda Street; and for the waiver of a requirement to remove and replace the existing roadway pavement, curb, gutter, and sidewalk.
- Pursuant to Los Angeles Municipal Code (LAMC) Section 9.2.1 of Chapter 1A, a Density Bonus Compliance Review to permit a residential development project consisting of 1,000 dwelling units of which 114 units will be set aside for Very Low Income Households, and with the following On- and Off-Incentives and Waivers of Development Standards:
    a. An On-Menu Incentive to permit averaging of FAR, density, parking, open space, or vehicular access;
    b. An Off-Menu Incentive to permit the continued use of an existing 8-foot fence in the front yard in lieu of the 3.5-foot fence height otherwise required in the [SH1] District(129% increase);
    c. A Waiver of Development Standard to permit a building width of 377-feet and 10-inches for Building C in lieu of the 280-feet otherwise required in the [MB2] District (35% increase);
    d. A Waiver of Development Standard to permit a maximum Build-to-Depth of 8-feet in lieu of the 5-feet otherwise required in the [SH1] District (60% increase);
    e. A Waiver of Development Standard to permit a minimum primary street ground story transparency of 49% in lieu of the 70% otherwise required in the [SH1] District (30% reduction);
    f. A Waiver of Development Standard to permit a ground story height of 13-feet and 6-inches in lieu of the 16-feet otherwise required in the [SH1] District (16% reduction);
    g. A Waiver of Development Standard to allow through access in the North Lot provided at 391-feet and 6-inches in lieu of the 350-feet otherwise required in the [D5] District (12% increase);
    h. A Waiver of Development Standard to permit relief from the Pedestrian Access requirements per LAMC Section 4C.1.1.C.2. (Package 1) to allow pedestrian access to the units that are not directly from the street;
    i. A Waiver of Development Standard to allow floors 2-5 primary street transparency of 24% in lieu of the 30% as required be LAMC Section 3B.4.1 for the [SH1] District (20% reduction); and

j. A Waiver of Development Standard to permit a maximum Build-to-Width of 65% minimum in lieu of the 90% minimum required per LAMC Section 3B.4.1 for the [SH1] District (28% reduction);

- Pursuant to LAMC Section 13B.2.4, a Project Review for a development creating over 50 market rate dwelling units on the project site; and
- Pursuant to LAMC Section 13B.5.3, a Variance to allow three projecting signs at the project site to have 300 square feet per sign face (combined projecting sign face area of 1,800 square feet) in lieu of the 48 square feet per sign face otherwise required per LAMC Section 4C.11.6-C.9.D.

A. Proposed Housing Project Context

A.1 Project Location Details

The Project Site consists of three large, irregularly shaped parcels that collectively measure approximately 30.65 acres and is located within the Downtown Community Plan area of the City of Los Angeles. The Project Site is located at 747–787 S. Alameda Street, 1312–1396 E. 7th Street, 136-196 S. Central Avenue, 1301–1327 E. 8th Street, 700–760 S. Market Court, 720–746 S. Terminal Street, and 747 and 760 S. Warehouse St. Los Angeles, CA 90021. The Project Site occupies the northern half of the block bounded by E. 7th Street on the north, S. Central Avenue on the west, S. Alameda Street on the east, and E. Olympic Boulevard to the south, with the partially vacated former E. 8th and Bay streets providing internal access within the middle of the block.

The Project Site is comprised of an industrial complex historically called the Los Angeles Union Wholesale Terminal, previously owned by the Southern Pacific Railroad, which currently encompasses a total of eight buildings, including seven large industrial buildings that were constructed between 1917 and 1923, and a ten-story parking garage constructed in 2016 which is accessed via S. Alameda Street. The portion of the Project Site along Central Avenue is used as a wholesale produce market and an outdoor weekend market known as the Smorgasburg. The middle portion of the Project Site between 7th and 8th Street supports 46 retailers and restaurants and another 48 office and hybrid office/light industrial tenants which span multiple industries including technology, apparel, construction, produce wholesale and consumer goods, with the exception of 747 S. Alameda Street which is currently vacant. No construction activities under the Project would occur within these portions of Project Site.

The proposed Development Area is approximately 4.84 gross acres and is located within the eastern portion of the Project Site along Alameda Street at 747-787 S. Alameda St., 1390-1396 E. 7th St. Los Angeles, CA 90021. The Development Area is currently developed with surface parking and limited ornamental vegetation.

A.2 Surrounding Area and Uses

The Project Site is located in an expansive industrial district east of Downtown Los Angeles. The area surrounding the Project Site is primarily developed with warehouses, cold storage facilities, small-scale manufacturing operations, and other industrial uses, though in more recent years commercial office, commercial retail, and residential uses have been developed in the vicinity of the Project Site.

A.3 Contact/Owner Information

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A.4 Document Prepared By:

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Appendix B: Mitigation Monitoring Program

Public Resources Code (PRC) Section 21081.6 and California Environmental Quality Act (CEQA) Guidelines Section 15097 require adoption of a Mitigation Monitoring Program (MMP) for all projects for which an Environmental Impact Report (EIR) has been prepared. Specifically, PRC Section 21081.6 states:

> *... the agency shall adopt a reporting or monitoring program for the changes made to the project or conditions of project approval, adopted in order to mitigate or avoid significant effects on the environment ... [and that the program] ... shall be designed to ensure compliance during project implementation.*

CEQA Guidelines Section 15097 provides guidelines for implementing monitoring and reporting programs. Specific monitoring requirements to be enforced during project implementation must be defined prior to final approval of a project by the decision-maker. Although the Lead Agency (the City of Los Angeles) may delegate monitoring responsibilities to other agencies or entities, the Lead Agency "... remains responsible for ensuring that implementation of the mitigation measures occurs in accordance with the program."

Further, pursuant to the City of Los Angeles Housing Element Checklist, this MMP has been prepared in accordance with the City's Housing Element Checklist Instructions. Specifically, this MMP includes the mitigation measures set forth in the Program EIR that are applicable to the Project. This MMP describes the procedures for the implementation of the mitigation measures adopted for the Project. This MMP for the Project is effective until the mitigation measures have been satisfied or deleted/modified pursuant to this MMP. The City of Los Angeles Department of City Planning (DCP) staff and staff of other City Departments (e.g., Department of Building and Safety) are responsible for administering the MMP activities, or delegating them to consultants or contractors. The Monitoring or Enforcing Agencies identified herein, at their discretion, may require a project applicant or operator to pay for one or more independent professional(s), with any necessary training and qualifications, to be responsible for preparing, reviewing, or certifying any required report, study, analysis, or certification, or monitoring implementation of mitigation measures (e.g., City building inspector, project contractor, certified professionals, etc., depending on the requirements of the mitigation measures) required of project applicants or operators. Monitors will be hired by the City or by the applicant or operator at the City's discretion.

Each mitigation measure is identified in the table below and is categorized by environmental topic and corresponding number, with identification of:

- The Implementing Party—this is in most cases, the applicant for individual projects who will be required to implement most of the measures subject to City review and approval.
- The Enforcement Agency and Monitoring Agency—this is the agency or agencies that will monitor each measure and ensure that it is implemented in accordance with this MMP.
- Monitoring Phase/Monitoring Actions—this is the timeframe that monitoring would occur and the criteria that would determine when the measure has been accomplished and/or the monitoring actions to be undertaken to ensure the measure is implemented.

All the identified mitigation measures herein are to be implemented through the City's imposition of conditions of approval on future discretionary projects This MMP shall be enforced throughout all phases of the Project that are subject to the mitigation measures. The applicant shall be responsible for implementing each mitigation measure and shall be obligated to provide certification, as identified below, to the appropriate monitoring agency and the appropriate enforcement agency that each mitigation measure has been implemented. The applicant shall maintain records demonstrating compliance with each mitigation measure. Such records shall be made available to the City upon request. Further, specifically during the construction phase (including excavation, grading and demolition) and prior to the issuance of building permits, the applicant shall retain an independent Construction Monitor (either via the City or through a third-party consultant), approved by the Department of City Planning, who shall be responsible for monitoring implementation of mitigation measures during construction activities consistent with the monitoring phase and frequency set forth in this MMP. The Construction Monitor shall also prepare documentation of the applicant's compliance with the mitigation measures during construction every 90 days. The documentation must be signed by the applicant and Construction Monitor and be maintained by the applicant. The Construction Monitor shall be obligated to immediately report to the Enforcement Agency any non-compliance with the mitigation measures within two business days if the applicant does not correct the non-compliance within a reasonable time of notification to the applicant by the monitor or if the non-compliance is repeated. Such non-compliance shall be appropriately addressed by the Enforcement Agency. Until two years after all mitigation measures are fully satisfied, the applicant and owner shall maintain all records of mitigation measure compliance (e.g., reports, studies, certifications, verifications, monitoring or mitigation plans) and make available for the City's inspection within three business days of the City requesting the records. All records related to construction shall be maintained on the site during construction and shall be immediately available for inspection by the City or by the Construction Monitor. The applicant/owner shall

also sign a Statement of Compliance, in a form approved by the City, prior to any building permit, committing to compliance with all applicable mitigation measures.

The Project shall be in substantial conformance with the mitigation measures contained in this MMP. The enforcing departments or agencies may determine substantial conformance with mitigation measures in the MMP in their reasonable discretion. If the department or agency cannot find substantial conformance, a mitigation measure may be modified or deleted as follows: the enforcing department or agency, or the decision maker for a subsequent discretionary project related approval, complies with CEQA Guidelines, including sections 15162 and 15164, by preparing an addendum or subsequent environmental clearance to analyze the impacts from the modifications to or deletion of the mitigation measures. Any addendum or subsequent CEQA clearance shall explain why the mitigation measure is no longer needed, not feasible, or the other basis for modifying or deleting the project design feature or mitigation measure. Under this process, the modification or deletion of a mitigation measure shall not require a modification to any project discretionary approval unless the Director of Planning also finds that the change to the mitigation measures results in a substantial change to the Project or the non-environmental conditions of approval.

Chapter 1A of the City's Municipal Code incorporates environmental protection measures (EPMs) that are required to be implemented as part of the development standards for various Districts. These EPMs are part of the development standards for the Project Site. Several of these EPMs include the same requirements that are set forth in the mitigation measures within the Program EIR for the Housing Element Checklist. As these EPMs are already regulatory requirements for the Project, they are included in this MMP to confirm that the required measure will be implemented as part of the Project.

Mitigation Measure/Condition of Approval/and/or Environmental Protection Measure	Implementing Party	Enforcement and Monitoring Agency	Monitoring Phase and Monitoring Actions[a]
AIR QUALITY			
4.2-2(a) Construction Emissions Reduction For discretionary projects that meet the following criteria, prior to project approval, the Applicant shall be required to provide to the City an Air Quality Impact Analysis prepared by a qualified air quality analyst to analyze construction emissions and identify necessary mitigation: • Demolition of more than 13,500 square feet of building area; • Greater than 5,000 cubic yards of soil cut/fill; • Greater than 5-acres of graded area; or use of more than ten pieces of heavy-duty construction equipment and 150 truck trips (or a total of 6,000 vehicle miles traveled by truck) on any given day during demolition, site clearing, or grading. The Air Quality Impact Analysis shall demonstrate that project emissions are less than applicable SCAQMD regional and LST thresholds. • Off-road diesel-powered construction equipment greater than 50 horsepower shall be certified for either the Tier 4 Final emission standards for CARB In-Use Off-Road Diesel-Fueled Fleets Regulations or the USEPA Tier 4 emission standards, where available. **An analysis of potential construction-related air quality impacts has been completed in accordance with this mitigation measure (refer to Appendix D.1 of the Housing Element Checklist) and demonstrates that impacts would be less than significant with implementation of Tier 4 equipment. In addition, the Project will implement the following additional mitigation measures:** • All construction equipment shall be outfitted with BACT devices certified by CARB. Any emissions control device used by the contractor shall achieve emissions reductions that are no less than what could be achieved by a Level 3 diesel emissions control strategy for a similarly sized engine as defined by CARB regulations. • Vehicle idling shall be limited to five minutes as set forth in the California Code of Regulations, Title 13. Signs shall be posted in areas where they will be seen by vehicle operators stating idling time limits.	Applicant	Department of City Planning (DCP),	DCP Review of Air Quality Impact Analysis

Mitigation Measure/Condition of Approval/and/or Environmental Protection Measure	Implementing Party	Enforcement and Monitoring Agency	Monitoring Phase and Monitoring Actions[a]
• Heavy duty diesel-fueled equipment shall use low NOX diesel fuel to the extent that it is available and feasible to use. • Construction contractors shall utilize construction equipment that uses low polluting fuels (i.e., compressed natural gas, liquid petroleum gas, and unleaded gasoline) to the extent that they are available and feasible to use. • Construction contractors shall use electricity from power poles rather than temporary gasoline or diesel powered generators, as feasible, or solar where available. • Consistent with SCAQMD Rule 403, construction contractors shall identify and implement best available dust control measures during active construction operations capable of generating dust. • Construction contractors shall maintain construction equipment in good, properly tuned operating condition, as specified by the manufacturer, to minimize exhaust emissions. Documentation demonstrating that the equipment has been maintained in accordance with the manufacturer's specifications shall be kept on site and made available to LADBS inspectors during inspection. • Construction contractors shall reroute construction trucks away from congested streets or sensitive receptor areas, as feasible.			
4.2-2(b) Operations Emissions Reduction: For discretionary projects, prior to project approval, the Applicant shall be required to provide the City an Air Quality Impact Analysis prepared by a qualified air quality analyst to analyze operational emissions and identify necessary mitigation for any discretionary project that would include more than 462 single-family residential units, 612 multi-family residential units, or any equivalent combination thereof. The Air Quality Impact Analysis shall demonstrate that project emissions are less than applicable SCAQMD regional and LST thresholds and if impacts are found to be significant, mitigation measures shall be included. **This analysis has been completed (refer to Appendix D.1 of the Housing Element Checklist) and demonstrates that impacts would be less than significant. Thus, no mitigation measures are required.**	Applicant	DCP	DCP Review of Air Quality Impact Analysis

Mitigation Measure/Condition of Approval/and/or Environmental Protection Measure	Implementing Party	Enforcement and Monitoring Agency	Monitoring Phase and Monitoring Actions[a]
BIOLOGICAL RESOURCES			
4.3-2(b) Protected Tree and Tree Canopy Survey For discretionary projects that include the removal of trees, prior to project approval, a tree report and tree replanting plan shall be conducted by a certified arborist to tag and assess all trees (defined as woody plant material that is five inches or greater in diameter at breast height [DBH—four and a half feet off grade]) subject to the City's Protected Tree Ordinance on the project site. Trees shall be tagged to correspond with a tree exhibit map. Also, the genus and species of the trees, size of the trees at DBH, and structure and vigor of the trees shall be determined, and an evaluation of the trees' resource value (i.e., the biological impacts of the tree removals, potential to be considered wildlife habitat, and locating trees deserving protection) shall be completed. All protected trees shall receive a visual tree assessment (VTA—meaning tree observations shall be from the ground and that no special devices [e.g., increment borers, drills] shall be used). Following the completion of the tree survey, the arborist shall prepare a report that shall at a minimum provide a description of the general character of the trees on the site and identify opportunities and constraints for preservation. The report and tree replanting plan shall be provided to the City for review. As part of the assessment, a plot plan shall also be prepared indicating the location, type, and canopy coverage of all existing trees on the site and within the adjacent public right(s)-of-way. Further, removal or planting of any tree in the public right(s)-of-way requires approval of the Board of Public Works. All trees in the public right(s)-of-way shall conform to the current standards of the Department of Public Works, Urban Forestry Division, Bureau of Street Services. **A protected tree survey has been completed (refer to Appendix D.2 of the Housing Checklist) and demonstrates that no protected trees are located on the Project Site or within the adjacent public right-of-way. In addition, there are no other sensitive natural communities within the Project Site or Project vicinity. As such, the remaining mitigation measures included in the Program EIR regarding biological resources are not applicable to the Project.**	Applicant	DCP, Department of Public Works (DPW), Urban Forestry Division (UFD)	Review of protected tree survey by DCP. As part of plan approval, review and approval of tree report for removal or planting in public right-of-way, if such activity is proposed

Mitigation Measure/Condition of Approval/and/or Environmental Protection Measure	Implementing Party	Enforcement and Monitoring Agency	Monitoring Phase and Monitoring Actions[a]
CULTURAL RESOURCES			
4.4-1(a) Identification of Built-Environment Historical Resources For discretionary projects, the following procedures shall be implemented to identify historical resources, as defined by Public Resources Code Section 21084.1, located on or near a development site and implement appropriate techniques to avoid or reduce significant impacts to historical resources. The City of Los Angeles Historic Resources Survey (SurveyLA) results shall be consulted to determine whether the project area, or adjacent areas, have been subject to previous cultural resources studies and whether historical resources were identified. If a development involves the alteration or demolition of a property 45 years of age or older that was not evaluated in SurveyLA, including sites with a QQQ code, a historical resources evaluation shall be prepared for the development. The evaluation shall be prepared according to the following standards: • The evaluation shall be prepared by a qualified architectural historian or historian who meets the Secretary of the Interior's Professional Qualifications Standards (PQS) in architectural history or history. • The qualified architectural historian or historian shall conduct an intensive-level evaluation in accordance with the guidelines and best practices promulgated by the State Office of Historic Preservation (OHP) and the City of Los Angeles Office of Historic Resources (OHR) to identify any potential historical resources within the Area of Potential Effects. Those buildings and structures required to be assessed in a historical resource evaluation not located in an HPOZ shall be evaluated within their historic context and documented in a report meeting the OHP and OHR guidelines. All evaluated properties shall be documented on Department of Parks and Recreation Series 523 Forms. The report shall be submitted to the OHR for review and concurrence. If, as a result of the cultural resources records search or the subsequent historical resources evaluation, it is determined that the proposed development would result in a significant adverse effect to one or more historical resources, appropriate techniques consistent with the Secretary of Interior Standards to avoid or reduce significant impacts to the degree feasible shall be implemented. Measures to reduce impacts shall generally be overseen by a qualified architectural historian or historic architect	Applicant	DCP, Office of Historic Resources (OHR)	Prior to Approval of Project: review of historical resource evaluation by DCP

Mitigation Measure/Condition of Approval/and/or Environmental Protection Measure	Implementing Party	Enforcement and Monitoring Agency	Monitoring Phase and Monitoring Actions[a]
meeting the PQS, unless unnecessary under the circumstance (e.g., preservation in place). In conjunction with any development application that may affect the historical resource, a mitigation plan identifying measures for the treatment or protection of character-defining features shall be provided to the City for review. **An analysis of potential impacts associated with historical resources has been prepared (refer to Appendix D.3 of the Housing Element Checklist) and demonstrates that impacts to historical resources within the Project Site and outside of the Project Site would be less than significant. No additional mitigation measures are required.**			
4.4-2 Archaeological Resources Discretionary projects that involve ground disturbance in native soils or soils of unknown origin, shall implement the following procedures to identify archaeological resources located in a development site and implement applicable impact reduction techniques to reduce substantial adverse effects associated with the inadvertent discovery of archaeological resources. A. The project applicant shall retain a qualified archaeologist meeting the Secretary of the Interior's Professional Qualifications Standards (PQS) in archaeology to complete a cultural resources assessment of the development site. A cultural resources assessment may include an archaeological pedestrian survey of the development site, if possible, and sufficient background archival research and field sampling to determine whether subsurface prehistoric or historic remains may be present. Archival research should include a records search conducted at the South Central Coastal Information Center (SCCIC) and a Sacred Lands File (SLF) search conducted with the Native American Heritage Commission (NAHC). **This portion of the mitigation measures has been completed. Refer to Appendix D.5 of the Housing Element Checklist for the Cultural Resources Report. In addition, the measures set forth in B through H, and K of this measure are substituted by the new substitute provisions in Section I below and Substitute Mitigation Measure SMM TCR-1, below.** SMM I. **[Substitute text that is more stringent than text from Program EIR]** Prior to issuance of a grading permit and prior to the start of any ground-disturbing activity, the applicant shall retain a qualified archaeologist who	Applicant	DCP, OHR	Prior to Project Approval: review of cultural resources assessment by DCP; obtain necessary assurances to ensure compliance Prior to Grading Permit: obtain necessary assurances to ensure compliance During All Ground Disturbing Activities: monitoring as required by cultural resources assessment; if archeological resources are uncovered, verify that a qualified archeologist evaluates and prepares a treatment plan; monitoring to ensure that construction in the area ceases until the treatment plan process is complete

Mitigation Measure/Condition of Approval/and/or Environmental Protection Measure	Implementing Party	Enforcement and Monitoring Agency	Monitoring Phase and Monitoring Actions[a]
meets the Secretary of the Interior's Professional Qualification Standards to oversee an archaeological monitor who shall be present during construction excavations, such as demolition, clearing/grubbing, grading, trenching, or any other construction excavation activity associated with the project, including peripheral activities, such as sidewalk replacement, utilities work, and landscaping, which may occur adjacent to the project site. The frequency of monitoring shall be based on the rate of excavation and grading activities, the materials being excavated (younger sediments vs. older sediments), the depth of excavation, and, if found, the abundance and type of archaeological resources encountered. Full-time monitoring may be reduced to part-time inspections, or ceased entirely, if determined adequate by the qualified archaeologist. Prior to commencement of excavation activities, Archaeological Sensitivity Training shall be given for construction personnel. The training session shall be carried out by the qualified archaeologist and shall focus on how to identify archaeological resources that may be encountered during earthmoving activities and the procedures to be followed in such an event. The details of the monitoring and training shall be summarized in an Archaeological and Tribal Cultural Resources Monitoring Plan (Monitoring Plan) prepared by the qualified archaeologist, in consultation with all interested Tribes, prior to the commencement of ground disturbing activities for the project. The Monitoring Plan shall include compliance with Section J, below and Mitigation Measure SMM-TCR-1, including the portions referring to the implementation of a Cultural Resources Monitoring Program (CRMP). The Monitoring Plan will provide details regarding the process for infield treatment of inadvertent discoveries of archaeological and tribal cultural resources and the disposition of inadvertently discovered non-funerary resources, and shall be consistent with the treatment of unique archaeological resources in PRC Section 21083.2. J. In the event that historic (e.g., bottles, foundations, refuse dumps/privies, railroads, etc.) or prehistoric (e.g., hearths, burials, stone tools, shell and faunal bone remains, etc.) archaeological resources are unearthed, ground-disturbing activities shall be halted or diverted away from the vicinity of the find so that the find can be evaluated. A 50-foot buffer within which construction activities shall not be allowed to continue shall be established by the qualified archaeologist around the find. Work shall be allowed to continue outside of the buffer area. All archaeological resources unearthed			

Mitigation Measure/Condition of Approval/and/or Environmental Protection Measure	Implementing Party	Enforcement and Monitoring Agency	Monitoring Phase and Monitoring Actions[a]
by project development activities shall be evaluated by the qualified archaeologist. If a resource is determined by the qualified archaeologist to constitute a "historical resource" pursuant to CEQA Guidelines Section 15064.5(a) or a "unique archaeological resource" pursuant to Public Resources Code Section 21083.2(g), the qualified archaeologist shall coordinate with the applicant and the City to develop a formal treatment plan that would serve to reduce impacts to the resources. The treatment plan established for the resources shall be in accordance with CEQA Guidelines Section 15064.5(f) for historical resources and Public Resources Code Sections 21083.2(b) for unique archaeological resources. Preservation in place (i.e., avoidance) is the preferred manner of treatment. If, in coordination with the City, it is determined that preservation in place is not feasible, appropriate treatment of the resource shall be developed by the qualified archaeologist in coordination with the City and may include implementation of archaeological data recovery excavations to remove the resource along with subsequent laboratory processing and analysis. Any archaeological material collected shall be curated at a public, non-profit institution with a research interest in the materials, if such an institution agrees to accept the material. If no institution accepts the archaeological material, they shall be donated to a local school, Tribe, or historical society in the area for educational purposes.			
GEOLOGY AND SOILS			
4.5-1(a) Paleontological Procedures for Discretionary Projects For all discretionary projects that involve excavation or grading activities at depths greater than previous disturbance on the respective site(s), prior to the start of construction, the following shall be conducted as discussed in detail below: prepare a resource assessment and records search for the presence of paleontological resources to determine if the project site is underlain by paleontological resources; monitor all excavation and grading activities in areas underlain by soils or geologic units potentially containing paleontological resources; and identify, record, and evaluate all paleontological resources uncovered during project construction and submit a paleontological assessment report to the City for review and approval. In addition, during project construction, the following shall be conducted as discussed in detail below: cease all construction activities in the event of the	Applicant	DCP, OHR, LADBS	Prior to Project Approval: review of the paleontological resource assessment and records search, Condition project to comply with monitoring plan and worker education plan

Mitigation Measure/Condition of Approval/and/or Environmental Protection Measure	Implementing Party	Enforcement and Monitoring Agency	Monitoring Phase and Monitoring Actions[a]
discovery of paleontological resources; conduct fossil recovery as necessary by a qualified paleontologist; avoid handling of paleontological resources by parties other than the qualified paleontologist responsible for conducting fossil recovery; and resume construction activities only upon clearance by the qualified paleontologist. These procedures, as detailed below, shall be implemented to avoid impacts to paleontological resources or reduce potential impacts to a less-than- significant level: • Prior to excavation and grading activities, a qualified paleontologist shall prepare a resource assessment and records search for the potential presence of paleontological resources. This assessment shall be informed by records from the Natural History Museum of Los Angeles County. • If the assessment determines the project site is underlain by soils or geologic units with a medium to high potential for containing paleontological resources, a qualified paleontologist shall prepare a monitoring plan, and worker education plan. The paleontologist's assessment and any required monitoring or required worker education plan shall be submitted to the City for review and approval prior to the commencement of construction activities. Any monitoring plan shall include requiring compliance with Mitigation Measure 4.5-1(d) for discovery, salvage and treatment. **The portion of this mitigation measure requiring preparation of a paleontological resources assessment has been completed. Refer to Appendix D.6 of the Housing Element Checklist for the Paleontological Resources Assessment.**			
4.5-1(b) Worker Environmental Awareness Program, Fossil Salvage, and Construction Monitoring: If required by cultural resources assessment under MM 4.5-1(a), prior to the start of construction, a paleontological monitor shall conduct training for construction personnel regarding the appearance of fossils and the procedures for notifying paleontological staff should fossils be discovered by construction staff, and notice that the identified qualified paleontologist is the only one authorized to handle paleontological find(s), including but not limited to collection and removal. Approved plans shall include statement of WEAP requirement.	Applicant	DCP, OHR	Prior to Grading Permits: obtain necessary assurances to ensure WEAP plan requirement are met; ensure plans show WEAP requirement

Mitigation Measure/Condition of Approval/and/or Environmental Protection Measure	Implementing Party	Enforcement and Monitoring Agency	Monitoring Phase and Monitoring Actions[a]
4.5-1(c) Construction Monitoring If required pursuant to a monitoring plan prepared under MM 4.5-1(a), a paleontologist or designated paleontological monitor shall monitor ground disturbance activities, including the initial five feet below the ground surface, as areas with high paleontological sensitivity may contain resources at shallow depths and within the first five feet. If the paleontological monitor determines that full-time monitoring is no longer warranted, he or she may recommend that monitoring be reduced to periodic spot-checking or cease entirely. Monitoring shall be reinstated if any new or unforeseen deeper ground disturbances are required. After ground disturbing activities are completed, the paleontologist or designated monitor shall complete and submit a report to the City verifying compliance with the monitoring plan. Monitoring plan shall show on the plans.	Applicant	DCP, OHR	Prior to Grading Permits: obtain necessary assurances to ensure monitoring plan compliance, including compliance with mitigation measure 4.5-1(d) for discovery, salvage and treatment; ensure plans show monitoring plan requirements Prior to Building Permit: obtain verification report
4.5-1(d) Fossil Discovery, Salvage, and Treatment All discretionary projects shall be subject to the following mitigation measure: Discovery. If paleontological resources are uncovered during construction activities (in either a previously disturbed or undisturbed area), all ground-disturbing activities in the area of the find shall cease until a qualified paleontologist has evaluated the find, and identified and prepared an appropriate mitigation plan, in accordance with federal, state, and local guidelines, Construction activities in the area of the discovery shall commence again only after the identified resource(s) are properly processed by a qualified paleontologist, and if construction activities are cleared by the qualified paleontologist to continue. If cleared by the qualified paleontologist, construction activity may continue unimpeded on other portions of the project site that would not affect evaluation or recovery of the identified resource(s). Fossil Salvage and Treatment. The qualified paleontologist or designated paleontological monitor shall recover intact fossils consistent with the mitigation plan and notify the City of any fossil salvage and recovery efforts. Typically, fossils can be safely salvaged quickly by a single paleontologist and not disrupt construction activity. In some cases, larger fossils (such as complete skeletons or large mammal fossils) require more extensive excavation and longer salvage periods. In this case the paleontologist shall have the authority to temporarily direct, divert or halt construction activity to ensure that the fossil(s) can be removed in a safe and timely manner. Any fossils shall be handled and deposited consistent with a mitigation plan	Applicant	DCP, OHR	Prior to Project Approval: condition project to comply with requirement and obtain necessary assurances to ensure compliance Prior to Grading Permit: verify site plan shows requirement and obtain necessary assurances

Mitigation Measure/Condition of Approval/and/or Environmental Protection Measure	Implementing Party	Enforcement and Monitoring Agency	Monitoring Phase and Monitoring Actions[a]
prepared by the paleontological monitor. The qualified paleontologist shall prepare a report according to current professional standards including those of the SVP that describes the resource, how it was assessed, and disposition. The report shall be submitted to the City. The requirements in this mitigation measure shall be shown on plans.			
HAZARDS AND HAZARDOUS MATERIALS –			
4.7-2(a) Environmental Site Assessment [This measure is required to be implemented as part of EPM HM1-2 of the EPM Handbook included as Chapter 1A of the Zoning Code.] (1) Applicability Threshold. Discretionary projects that require grading, excavation, or building permit from LADBS and which meet the criteria below shall comply with the standard in (2): • Located on or within 500 feet of a Hazardous Material site listed on the following databases: – SWRCB GeoTracker (refer to https://geotracker.waterboards.ca.gov); – DTSC EnviroStor (refer to https://www.envirostor.dtsc.ca.gov/public); – DTSC Hazardous Waste Tracking System (refer to https://hwts.dtsc.ca.gov); – LAFD Certified Unified Program Agency (refer to the active, inactive, and historical inventory lists at https://www.lafd.org/fire-prevention/cupa/public-records); – Los Angeles County Fire Department Health Hazardous Materials Division (refer to the active and inactive facilities, site mitigation, and California Accidental Release Prevention inventory lists at https://fire.lacounty.gov/public-records- requests); – SCAQMD Facility Information Detail (refer to https://xappprod.aqmd.gov/find); or • Located on or within 500 feet of a Hazardous Materials site designated as a RCRA Small Quantity Generator or Large Quantity Generator (refer to the USEPA Envirofacts database at https://enviro.epa.gov/index.html); or • Located on an Oil Drilling District or located on or within 50 feet of a property identified as having an oil well or an oil field (active or inactive)	Applicant	DCP, LADBS,	Phase I and Phase II prepared by technical expert to be reviewed by DCP

Mitigation Measure/Condition of Approval/and/or Environmental Protection Measure	Implementing Party	Enforcement and Monitoring Agency	Monitoring Phase and Monitoring Actions[a]
by CalGEM (refer to https://www.conservation.ca.gov/calgem/Pages/WellFinder.aspx); or • Located on any land currently or previously designated with an industrial use class or industrial zoning; or • Located on land currently or previously used for a gas station or dry-cleaning facility. Or: • The Applicant or Owner are aware or have reason to be aware that the Project site was previously used for an industrial use, gas station, or dry-cleaner, or otherwise is contaminated with hazardous substances. And: • The site has not been previously remediated to the satisfaction of the relevant regulatory agency/agencies for any contamination associated with the above uses or conditions. (2) A Phase I Environmental Site Assessment (ESA) shall be prepared by a Qualified Environmental Professional in accordance with State standards/guidelines and current professional standards, including the American Society for Testing and Materials (ASTM) Standard Practice for Environmental Site Assessments, to evaluate whether the site, or the surrounding area, is contaminated with hazardous substances from any past or current land uses, including contamination related to the storage, transport, generation, or disposal of toxic or Hazardous Waste or materials. If the Phase I ESA identifies a Recognized Environmental Condition (REC) and/or if recommended in the Phase I ESA, a Phase II ESA shall also be prepared by a Qualified Environmental Professional. The Phase I and/or Phase II ESAs shall be maintained by the Applicant and Owner and made available for review and inclusion in the case file, as applicable, by the appropriate regulatory agency, such as the SWRCB, DTSC, or LAFD Hazard Mitigation Program. Any remediation plan recommended in the Phase II ESA or by the appropriate regulatory agency shall be implemented and, if required, a No Further Action letter shall be issued by the appropriate regulatory agency prior to issuance of any permit from LADBS, unless the regulating agency determines that remedial action can be implemented in conjunction with excavation and/or grading. If oversight or approval by a regulatory agency is			

Mitigation Measure/Condition of Approval/and/or Environmental Protection Measure	Implementing Party	Enforcement and Monitoring Agency	Monitoring Phase and Monitoring Actions[a]
not required, the Qualified Environmental Professional shall provide written verification of compliance with and completion of the remediation plan, such that the site meets the applicable standards for the proposed use, which shall be maintained by the Applicant and Owner. **In accordance with this EPM, a Phase I and Phase II have been prepared and are included in Appendix D.7 of the Housing Element Checklist.**			
4.7-2(b) Site Remediation and Health and Safety Plan For discretionary projects that require site remediation under MM-HAZ 4.7-2a, if contaminants of concern (COCs) are detected above regulatory action levels, the project applicant shall retain a qualified environmental consultant to prepare a Soil Management Plan (SMP). If the project is under regulatory oversight, the SMP shall be submitted to appropriate agencies (such as SCAQMD, DTSC or others) for review and approval prior to the commencement of excavation and grading activities. The SMP shall be implemented during excavation and grading activities associated with the project to ensure that contaminated soils are properly identified, excavated, and disposed of off-site, as follows: • The SMP shall be prepared and executed in accordance with South Coast Air Quality Management District (SCAQMD) Rule 1166, Volatile Organic Compound Emissions from Decontamination of Soil. The SMP shall require the timely testing and sampling of soils so that contaminated soils can be separated from inert soils for proper disposal. The SMP shall specify the testing parameters and sampling frequency. During excavation, Rule 1166 requires that soils identified as contaminated shall be sprayed with water or another approved vapor suppressant or covered with sheeting during periods of inactivity of greater than an hour, to prevent contaminated soils from becoming airborne. Under Rule 1166, contaminated soils shall be transported from the Project Site by a licensed transporter and disposed of at a licensed storage/treatment facility to prevent contaminated soils from becoming airborne or otherwise released into the environment. • During the project's excavation phase, the applicant shall remove and properly dispose of impacted materials in accordance with the provisions of the SMP. If soil is stockpiled prior to disposal, it will be managed in accordance with the Project's Storm Water Pollution Prevention Plan, prior to its transfer for treatment and/or disposal. All impacted soils would	Applicant	DCP, LADBS	Prior to Issuance of Grading Permit: review and approve the Soil Management Plan Prior to Issuance of Building Permit: review and approve the Health and Safety plan

Mitigation Measure/Condition of Approval/and/or Environmental Protection Measure	Implementing Party	Enforcement and Monitoring Agency	Monitoring Phase and Monitoring Actions[a]
be properly treated and disposed of in accordance with SCAQMD Rule 1166. • The project applicant shall commission a site-specific Health and Safety Plan (HASP) to be prepared in compliance with Occupational Safety and Health Administration (OSHA) Safety and Health Standards (29 Code of Federal Regulations 1910.120) and Cal-OSHA requirements (CCR Title 8, General Industry Safety Orders and California Labor Code, Division 5, Part 1, Sections 6300-6719) and submitted for review by the Department of Building and Safety. The HASP shall address, as appropriate, safety requirements that will serve to avoid significant impacts or risks to workers or the public. The HASP shall include emergency contact numbers, maps to the nearest hospital, gas monitoring action levels, gas response actions, allowable worker exposure times, and mandatory personal protective equipment requirements. The HASP shall be signed by all workers involved in the activities associated with the investigation to demonstrate their understanding of the risks of excavation. If remediation is determined to be necessary, the grading permit shall not be issued until the applicable regulatory agency has indicated that further remedial action is not required. **In accordance with this Mitigation Measure, a Soil Management Plan and a Health and Safety Plan have been prepared and are included within Appendix D.7 of the Housing Element Checklist.**			
Implementing Mitigation Measure 4.7-2(c) Vapor Intrusion: The Project shall implement a vapor intrusion mitigation system (VIMS) to address potential soil vapor intrusion into residential structures.	Applicant	LADBS	Prior to Issuance of Building Permit: review and approve plan for VIMS system Prior to Issuance of Certificate of Occupancy: confirm operation of VIMS system
NOISE			
4.10-1(a) Noise Shielding and Silencing [This measure is required to be implemented as part of EPM NV1-1 of the EPM Handbook included as Chapter 1A of the Zoning Code.]	Applicant	DCP, LADBS	Prior to Building Permits (including grading, demolition): ensure that requirement shows on plans

Mitigation Measure/Condition of Approval/and/or Environmental Protection Measure	Implementing Party	Enforcement and Monitoring Agency	Monitoring Phase and Monitoring Actions[a]
For all discretionary projects, power construction equipment (including combustion engines), fixed or mobile, shall be equipped with noise shielding and silencing devices consistent with manufacturer's standards or the Best Available Control Technology. Equipment shall be properly maintained, and the Project Applicant or Owner shall require any construction contractor to keep documentation on-site during any earthwork or construction activities demonstrating that the equipment has been maintained in accordance with manufacturer's specifications. Measure shall be shown on plans.			and necessary assurances are obtained During Construction: field verify that power construction equipment includes noise shielding and silencing devices
4.10-1(b) Use of Driven Pile Systems [This measure is required to be implemented as part of EPM NV1-2 of the EPM Handbook included as Chapter 1A of the Zoning Code.] For all discretionary projects, driven (impact), sonic, or vibratory pile drivers shall not be used, except in locations where the underlying geology renders alternative methods infeasible, as determined by a soils or geotechnical engineer and documented in a soils report. Requirement shall show on plans.	Applicant	DCP, LADBS	Prior to Grading Permits: ensure that requirement shows on plans and necessary assurances have been obtained. During Construction: field verify that driven, sonic or vibratory pile drivers are avoided
4.10-1(c) Enclosures and Screening [This measure is required to be implemented as part of EPM NV1-3 of the EPM Handbook included as Chapter 1A of the Zoning Code.] For all discretionary projects, all outdoor mechanical equipment shall be enclosed or screened from off-site noise-sensitive uses. The equipment enclosure or screen shall be impermeable (i.e., solid material with minimum weight of 2 pounds per square feet) and break the line-of-sight from the equipment and off-site noise-sensitive uses.	Applicant	DCP, LADBS	Prior to Project Approval: condition project to comply with measures Prior to Building Permits: ensure mechanical equipment is enclosed or screened During Construction: field verify that all outdoor mechanical equipment are screened or enclosed
4.10-1(d) Construction Staging Areas [This measure is required to be implemented as part of EPM NV1-4 of the EPM Handbook included as Chapter 1A of the Zoning Code.] Construction staging areas shall be located as far from noise-sensitive uses as reasonably possible and feasible in consideration of site boundaries,	Applicant	DCP, LADBS	Prior to Project Approval: condition project to comply with measures and to provide necessary assurances to ensure compliance

Mitigation Measure/Condition of Approval/and/or Environmental Protection Measure	Implementing Party	Enforcement and Monitoring Agency	Monitoring Phase and Monitoring Actions[a]
topography, intervening roads and uses, and operational constraints. Requirement shall show on plans.			Prior to Building Permits (including grading, demolition): ensure that requirement shows on plans and necessary assurances are obtained During Construction: field verify that construction staging areas are located far from noise sensitive uses when possible and feasible.
4.10-1(e) Temporary Sound Barriers [This measure is required to be implemented as part of EPM NV1-5 of the EPM Handbook included as Chapter 1A of the Zoning Code.] Sound barriers, such as temporary walls or sound blankets, shall be erected between construction activities and noise-sensitive uses when construction activities are located within a line-of-sight to and within 500 feet of noise-sensitive uses. Requirement shall show on plans.	Applicant	DCP, LADBS	Prior to Project Approval: condition project to comply with measures and to provide necessary assurances to ensure compliance Prior to Building Permits (including grading, demolition): ensure that requirement shows on plans and necessary assurances are obtained During Construction: field verify that sound barriers between construction activities and noise- sensitive uses are provided
4.10-1(f) Project-Specific Construction Noise Study [This measure is required to be implemented as part of EPM NV1-6 of the EPM Handbook included as Chapter 1A of the Zoning Code.] A Construction Noise Study, prepared by a qualified noise expert to meet the requirements herein, shall be required for discretionary projects in the City located within 500 feet of noise-sensitive land uses and that have one or more of the following characteristics:	Applicant	DCP, LADBS	Prior to Project Approval: Preview of Construction Noise Study identifying any required mitigation; condition project to comply with noise reduction measures in the Study and provide necessary

Mitigation Measure/Condition of Approval/and/or Environmental Protection Measure	Implementing Party	Enforcement and Monitoring Agency	Monitoring Phase and Monitoring Actions[a]
• Two or more subterranean levels or 20,000 cubic yards or more of excavated material; • Construction duration (excluding architectural coatings) of 18 months or more; • Use of large, heavy-duty equipment rated 300 horsepower or greater; or • The potential for impact pile driving. The Construction Noise Study shall characterize sources of construction noise, quantify noise levels at noise-sensitive uses (e.g., residences, transient lodgings, schools, libraries, churches [or other places of assembly], hospitals, nursing homes, auditoriums, concert halls, amphitheaters, playgrounds, and parks), and identify measures to reduce noise exposure. The Construction Noise Study shall identify reasonably available noise reduction devices or techniques to reduce noise levels to acceptable levels and/or durations including through reliance on any relevant federal, state or local standards or guidelines or accepted industry practices, and in compliance with LAMC standards. Noise reduction devices or techniques may include but not be limited to mufflers, shields, sound barriers, and time and place restrictions on equipment and activities. Each measure in the Construction Noise Study shall identify anticipated noise reductions at noise- sensitive land uses. Project Applicants shall be required to comply with all requirements of Mitigation Measures 4.10-1(a) through 4.10-5(e) in addition to any additional requirements identified and recommended by the Construction Noise Study and shall maintain proof that notice of, as well as compliance with, the identified measures have been included in contractor agreements. **[In accordance with this measure, a construction noise evaluation has been completed and is included in Appendix D.4 of the Housing Checklist.]**			assurances to ensure compliance Prior to Issuance of Building Permit: obtain necessary assurances for compliance with noise reducing measures During Construction: field verify that compliance with mitigation plan from Construction Noise Study
4.10-2 Project-Specific Operational Noise Study A Noise Study, prepared by a qualified noise expert to meet the requirements herein, shall be required for all discretionary housing developments with roof decks and/or pool decks in the City of Los Angeles concurrent with Design	Applicant	DCP, LADBS	Prior to Project Approval: DCP review the Noise Study, condition compliance with any mitigation measures and providing necessary

Mitigation Measure/Condition of Approval/and/or Environmental Protection Measure	Implementing Party	Enforcement and Monitoring Agency	Monitoring Phase and Monitoring Actions[a]
Review and prior to the approval of building permits. The Noise Study shall include: • Description of pertinent noise regulations. • Analysis of operational noise generated by the project's roof decks and/or pool decks to noise-sensitive land uses. • Comparison of noise levels to applicable City thresholds, such as if the project's operational noise would exceed 3 dBA in an unacceptable land use category or 5 dBA in an acceptable land use category per the City's land use compatibility guidelines included in the City of Los Angeles General Plan Noise Element. • If project noise would exceed City thresholds, identification of mitigation measures to reduce noise to below 3 dBA in an unacceptable land use category or 5 dBA in an acceptable land use category to the extent feasible. Mitigation measures may include, but would not be limited to, operational restrictions, sound dampening equipment, or sound walls. • Each mitigation measure in the Noise Study shall identify anticipated noise reductions at noise-sensitive land uses. • Applicant/owners shall comply with the mitigation plan and include the measures in construction contracts. • Mitigation plan shall be included on plans. **[In accordance with this Mitigation Measure, a construction noise evaluation has been completed and is included in Appendix D.4 of the Housing Checklist.]**			assurances to ensure compliance Prior to Building Permits: ensure mitigation measures are on plans and obtain necessary assurances
4.10-3(a) Vibration Control Plan For construction activity for discretionary projects involving vibratory rollers or sonic pile drivers within 50 feet of an extremely fragile building (non-engineered masonry) or historical resource (designated or in SurveyLA or other City recognized survey), the Applicant shall prepare a Vibration Control Plan. The Vibration Control Plan requirement shall also apply to use of impact pile drivers within 140 feet of extremely fragile buildings or historical resources or residential structures. The Vibration Control Plan shall be prepared by a licensed structural engineer and shall include methods to minimize vibration, including, but not limited to:	Applicant	DCP, LADBS	Prior to Project Approval or Grading Permit: submittal of Vibration Control Plan or condition project to prepare Vibration Control Plan and provide necessary assurances to ensure compliance Prior to Issuance of Grading Permit: review and approve the Vibration Control Plan

Mitigation Measure/Condition of Approval/and/or Environmental Protection Measure	Implementing Party	Enforcement and Monitoring Agency	Monitoring Phase and Monitoring Actions[a]
• Use of drilled piles or similar method rather than impact pile driving • Use of rubber-tired equipment rather than metal-tracked equipment • Avoiding the use of vibrating equipment when allowed by best engineering practices The Vibration Control Plan shall include a pre-construction survey letter establishing baseline conditions at potentially affected extremely fragile buildings/historical resources. The survey letter shall provide a shoring design to protect the extremely fragile buildings/historical resources from potential damage. At the conclusion of vibration causing activities, the qualified structural engineer shall issue a follow-up letter describing damage, if any, to impacted buildings. The letter shall include recommendations for any repair, as may be necessary, in conformance with the Secretary of the Interior Standards. Repairs shall be undertaken and completed by the Contractor and monitored by a qualified structural engineer in conformance with all applicable codes including the California Historical Building Code (Part 8 of Title 24). A Statement of Compliance, in a form approved by the City, committing the Applicant and Owner to complying with the measure shall be signed by the Applicant and Owner is required to be submitted to the Los Angeles Department of Building and Safety (LADBS) at plan check and prior to the issuance of any permit. The Vibration Control Plan, prepared as outlined above shall be documented by a qualified structural engineer, and shall be provided to the City upon request. Vibration Control Plan shall show on the plans.			and/or obtain necessary assurances; Vibration Control Plan showing on the plans
4.10-3(b) Vibration Mitigation For all discretionary projects: • Impact pile drivers shall be avoided to eliminate excessive vibration levels. Drilled piles or similar methods are alternatives that shall be utilized where geological conditions permit their use. • Construction activities shall involve rubber-tired equipment rather than metal- tracked equipment. The construction contractor shall manage construction phasing (scheduling demolition, earthmoving, and ground-impacting operations so as not to occur in the same time period), use low-impact construction technologies, and shall	Applicant	DCP, LADBS	Prior to Project Approval: condition project to comply with measures and to provide necessary assurances to ensure compliance Prior to Building Permits (including grading, demolition): ensure that requirement shows on plans and necessary assurances are obtained

Mitigation Measure/Condition of Approval/and/or Environmental Protection Measure	Implementing Party	Enforcement and Monitoring Agency	Monitoring Phase and Monitoring Actions[a]
avoid the use of vibrating equipment when allowed by best engineering practices. Requirement to be on plans.			During Construction: verify that vibrating equipment is avoided
PUBLIC SERVICES			
4.12-2(a) Crime Prevention Unit Consultation For a discretionary project with more than 300 units or on a project site of more than 10 acres, the project applicant shall consult with the Los Angeles Police Department's Crime Prevention Unit regarding the incorporation of crime prevention features appropriate for the design of the project, including applicable features in the Los Angeles Police Department's Design Out Crime Guidelines. The crime prevention features recommended by the Los Angeles Police Department's Crime Prevention Unit and agreed to by the project applicant during consultation shall be made part of the project. The plans shall incorporate the design guidelines relative to security, semipublic and private spaces, which may include but not be limited to access control to building, secured parking facilities, walls/fences with key systems, well-illuminated public and semi-public space designed with a minimum of dead space to eliminate areas of concealment, location of toilet facilities or building entrances in high-foot traffic areas, and provision of security guard patrol throughout the project site if needed. These measures shall be approved by the Police Department prior to the issuance of building permits.	Applicant	LADBS, Los Angeles Police Department (LAPD)	Prior to Project Approval: require applicant to consult with police department and condition project to comply with crime prevention features recommended by LAPD; or condition project applicant to consult with LAPD prior to building permits and provide necessary assurances to ensure compliance Prior to Issuance of Building Permit: review project and provide consultation for crime prevention measures; obtain assurances
4.12-2(b) Security During Construction During construction of discretionary projects with more than 300 units or with more than 10 acres, private security personnel shall monitor vehicle and pedestrian access to the construction areas and patrol the project site, construction fencing with gated and locked entry shall be installed around the perimeter of the construction site, and security lighting shall be provided in and around the construction site. Furthermore, temporary construction fencing shall be placed along the periphery of the active construction areas to screen as much of the construction activity from view at the local street level and to keep unpermitted persons from entering the construction area. Low-level security lighting, and locked entry (e.g., padlock gates or guard-restricted access) shall be provided to limit access by the general public. Regular security patrols during non-	Applicant	DCP; LADOT; LADBS	Prior to project Approval: review and approve construction management plan or condition project to provide construction management plan and provide necessary assurances to ensure compliance Prior to Issuance of Building Permit: review and approve Construction Management

Mitigation Measure/Condition of Approval/and/or Environmental Protection Measure	Implementing Party	Enforcement and Monitoring Agency	Monitoring Phase and Monitoring Actions[a]
construction hours shall also be provided. During construction activities, the contractor shall document the security measures; and the documentation shall be made available to the construction monitor.			Plan; obtain necessary assurances
TRANSPORTATION			
4.14-1 Construction Management Plan Any discretionary project that LADOT determines will have potential impacts to the circulation system even with application of existing regulatory compliance measures, shall prepare a detailed Construction Management Plan (CMP), including street closure information, detour plans, haul routes, and staging plans shall be prepared and submitted to LADOT for review and approval. The Construction Management Plan will formalize how construction would be carried out and identify specific actions that would be required to reduce effects on the surrounding community. The Construction Management Plan shall be based on the nature and timing of the specific construction activities and other projects in the vicinity of the Project Site, and shall include those elements required by LADOT for the project, which may include but are not limited to the following: • Providing for temporary traffic control during all construction activities adjacent to public right of way to improve traffic flow on public roadways (e.g., flag men) • Prohibition of construction worker parking on any adjacent residential streets • Encouragement of carpool/vanpool of workers • Prohibitions on construction-related vehicles parking on surrounding public streets • Prohibitions on construction equipment or material deliveries within the public right- of-way • Accommodation of all equipment on site as feasible • Provisions for temporary traffic control during all construction activities adjacent to public right-of-way to improve traffic flow on public roadways (e.g., flag men) • Scheduling of construction activities, including deliveries, to reduce the effect on peak hour traffic flow on surrounding arterial streets	Applicant	DCP; LADOT; LADBS	Prior to Project Approval: review and approve construction management plan or condition project to provide construction management plan and provide necessary assurances to ensure compliance Prior to Issuance of Building Permit: review and approve Construction Management Plan; obtain necessary assurances

Mitigation Measure/Condition of Approval/and/or Environmental Protection Measure	Implementing Party	Enforcement and Monitoring Agency	Monitoring Phase and Monitoring Actions[a]
• Rerouting of construction trucks to reduce travel on congested streets to the extent feasible • Provisions of safety precautions for pedestrians and bicyclists through alternate routing and protection barriers and signage • Provisions to accommodate the staging and storage of equipment • Scheduling of construction-related deliveries to reduce travel during commuter peak hours • Obtain necessary permits for any truck hauling from the City prior to issuance of any permit for the project. • Noticing and coordination with any nearby schools that may be affected by construction activities, including deliveries, hauling and other construction transportation, to ensure safety of school children. • Ensuring all feasible safety measures are taken to accommodate safe travel of pedestrian, bicyclists, and other users of the sidewalks around the construction site, including but not limited through the following measures: – Construction staging as to maintain pedestrian access on adjacent sidewalks throughout all construction phases. – Maintaining adequate and safe pedestrian protection, including physical separation (including utilization of barriers such as K-Rails or scaffolding, etc.) from work space and vehicular traffic and overhead protection, due to sidewalk closure or blockage, at all times. – Providing temporary pedestrian facilities adjacent to the Project Site and provide safe, accessible routes that replicate as nearly as practical the most desirable characteristics of the existing facility. – Covered walkways shall be provided where pedestrians are exposed to potential injury from falling objects. – Keeping sidewalk open during construction until only when it is absolutely required to close or block sidewalk for construction staging. – Reopening the sidewalk as soon as reasonably feasible taking construction and construction staging into account.			

Mitigation Measure/Condition of Approval/and/or Environmental Protection Measure	Implementing Party	Enforcement and Monitoring Agency	Monitoring Phase and Monitoring Actions[a]
TRIBAL CULTURAL RESOURCES			
4.15-1(a) Native American Consultation and Monitoring for Discretionary Projects All discretionary projects that involve ground disturbing activities in previously undisturbed soils, shall prepare a cultural resources assessment and do a record search with a study area of no less than 0.5 mile around the project area. Projects conducted in culturally and historically sensitive areas, as determined by a Qualified Archaeologist meeting the Secretary of the Interior's Professional Qualification Standards for Archaeologist, should include a record search with a study area of no less than 1 mile around the project area. Notification shall be provided to California Native American tribes that are traditionally and culturally affiliated with the geographic area of the project site and have submitted a written request to the Department of City Planning to be notified of proposed projects in that area. Should projects have potential to impact cultural resources, as determined during the environmental assessment or Tribal consultation, a Cultural Resources Monitoring Program (CRMP) shall be prepared by Qualified Archaeologist, in consultation with all interested Tribes, prior to the commencement of any and all ground- disturbing activities for the Project, including any archaeological testing. The CRMP shall include compliance with 4.15-1(b) and will provide details regarding the process for in- field treatment of inadvertent discoveries and the disposition of inadvertently discovered non-funerary resources and shall be consistent with the treatment of unique archaeological resources in PRC 21083.2.	Applicant	DCP, LADBS	Prior to Project Approval: DCP review cultural resource assessment report and verify that notification to applicable tribes is provided; review and approve the Cultural Resources Monitoring program; condition project to comply with monitoring program and to provide adequate assurances to ensure compliance
Mitigation Measure 4.15-1(b) Discovery of Potential Tribal Cultural Resources is substituted with SMM TRA-1, below, and will be implemented in conjunction with Section J of Mitigation Measure 4.4-2, above. **Mitigation Measure SMM TCR-1:** Prior to commencing any Ground Disturbance Activities at the Project Site, the Applicant, or its successor, shall retain a qualified tribal monitor from the Gabrieleño Band of Mission Indians—Kizh Nation (Tribe). Ground Disturbance Activities shall include demolition, excavating, digging, trenching, plowing, drilling, tunneling, quarrying, grading, leveling, clearing, driving posts, augering, backfilling, blasting, stripping topsoil, potholing, pavement removal, grubbing, tree removals, boring or a similar activity at the project site. Prior to the commencement of any Ground Disturbance Activities, the Applicant and the Tribe shall execute an agreement	Applicant	DCP, LADBS	Prior to Project Approval: condition project to comply with measure and provide assurance to ensure compliance Prior to Building Permit: obtain necessary assurances: ensure measure shown on plans During Project Activities: if resources are found, field

Mitigation Measure/Condition of Approval/and/or Environmental Protection Measure	Implementing Party	Enforcement and Monitoring Agency	Monitoring Phase and Monitoring Actions[a]
for a tribal monitor at a reasonable rate, determined in good faith, consistent with industry standards, taking into account factors such as the scope and duration of the Project and substantial evidence for the presence or absence of tribal cultural resources. If the terms of service cannot be agreed upon, or if no response is received within 10 days of soliciting a request, the Applicant may contact another California Native American tribe included on the Native American Heritage Commission's Tribal Contact List and request the services of a tribal monitor. Prior to commencing any Ground Disturbance Activities, the tribal monitor, shall provide Worker Environmental Awareness Program (WEAP) training to construction crews involved in Ground Disturbance Activities that includes information on regulatory requirements for the protection of tribal cultural resources. As part of the WEAP training, construction crews shall be briefed on proper procedures to follow should a crew member discover tribal cultural resources during Ground Disturbance Activities. In addition, workers will be shown examples of the types of resources that would require notifying the tribal monitor. The Applicant shall maintain on the Project Site, for potential City inspection, documentation establishing the WEAP training was completed for all members of the construction crew involved in Ground Disturbance Activities. The tribal monitor shall observe Ground Disturbance Activities on the Project Site when they are taking place in sediments capable of containing tribal cultural resources, as determined by a Qualified Archaeologist in consultation with the Tribe and supported by substantial evidence. The tribal monitor(s) will complete daily monitoring logs that will provide descriptions and locations of the relevant Ground Disturbing Activities, the type of construction activities performed, soil types, cultural-related materials, and any other facts, conditions, materials, or discoveries of significance to the Tribe. Monitor logs will identify and describe any discovered tribal cultural resources as defined in California Public Resources Code Section 21074. Copies of monitor logs will be provided to the project applicant and/or the City upon request to the Tribe(s). The tribal monitoring shall end when either 1) confirmation is received from the Applicant, in writing, that all scheduled activities pertaining to tribal monitoring and all Ground Disturbance Activities are completed; or 2) the Tribe(s) provides a determination, in writing and supported by substantial evidence, that no future, planned construction activity, and/or			verify that all work within a 50-foot buffer is ceased; verify that affiliated tribal representatives are notified; verify that the identified resources are properly assessed and processed by a Tribal Representative or, if no Tribal Representative is identified, a Qualified Archaeologist can be consulted

Mitigation Measure/Condition of Approval/and/or Environmental Protection Measure	Implementing Party	Enforcement and Monitoring Agency	Monitoring Phase and Monitoring Actions[a]
development/construction phase at the project site possesses the potential to impact any tribal cultural resources. In the event that any objects or artifacts that may be tribal cultural resources are encountered during the course of any Ground Disturbance Activities, all such activities shall temporarily cease within the area of discovery, the radius of which shall be 50 feet or otherwise determined by the Qualified Archaeologist in consultation with the tribal monitor, until the potential tribal cultural resource is properly assessed and addressed pursuant to the process set forth below: 1. If the Qualified Archaeologist and Tribe determine the resources are Native American in origin, the Tribe will recommend steps for treatment of all discovered tribal cultural resources in the form and/or manner the Tribe deems appropriate, in the Tribe's reasonable discretion, and for any purpose the Tribe deems appropriate, including for educational, cultural and/or historic purposes. 2. The Applicant shall implement the Tribe's recommendations if the Qualified Archaeologist concludes that the Tribe's recommendations are reasonable and feasible. In addition to any recommendations from the Tribe(s), the Qualified Archaeologist shall develop a list of actions that shall be taken to avoid or minimize impacts to the identified tribal cultural resources substantially in compliance with any applicable federal, state or local law, rule or regulation, including but not limited to Public Resources Code Section 21083.2. 3. Ground Disturbance Activities may recommence outside of the specified radius of the discovery site, so long as this radius has been reviewed by both the archaeological monitor and tribal monitor(s) and determined to be reasonable and appropriate, and so long as the Applicant has complied with all of the recommendations developed and approved pursuant to the process set forth in Paragraphs 1 and 2 above. 4. Copies of any subsequent archaeological study, tribal cultural resources study or report, detailing the nature of any significant tribal cultural resources, remedial actions taken, and disposition of any significant tribal cultural resources shall be submitted to the South Central Coastal Information Center at California State University, Fullerton and to the Native American Heritage Commission for inclusion in its Sacred Lands File.			

Mitigation Measure/Condition of Approval/and/or Environmental Protection Measure	Implementing Party	Enforcement and Monitoring Agency	Monitoring Phase and Monitoring Actions[a]
5. Notwithstanding Paragraph 4 above, any information that Los Angeles Department of City Planning, in consultation with the Los Angeles City Attorney's Office, determines to be confidential in nature shall not be published under the applicable provisions of the Government Code Sections 7929.000 and 7929.005, and subdivision (d) of Section 15120 of Title 14 of the California Code of Regulations.			
6. Archaeological and Native American monitoring and excavation during construction projects will be consistent with current professional standards. All feasible care to avoid any unnecessary disturbance, physical modification, or separation of human remains and associated funerary objects shall be taken.			

[a] *The Monitoring Phase/Monitoring Actions are applicable to prcjects that are subject to the measures as described within each measure.*

Source: City of Los Angeles, Citywide Housing Element 2021–2029 and Safety Element Updates.

Appendices

Appendix D.1

Air Quality Analysis

AIR QUALITY TECHNICAL REPORT

The Row DTLA Residential Project
City of Los Angeles, CA

Prepared by:

Eyestone Environmental, LLC

September 2025

TABLE OF CONTENTS

Page

I. INTRODUCTION 1

II. PROJECT LOCATION AND EXISTING USES 1

III. PROJECT DESCRIPTION 2

IV. SCOPE OF WORK 3

V. ENVIRONMENTAL IMPACTS 4

A. Regulatory Framework 4
B. Air Quality Methodology 4
C. Air Quality Impacts 11

APPENDICES

Appendix AQ-1 Air Quality Regulatory Framework

Appendix AQ-2 Air Quality Methodology

Appendix AQ-3 Air Quality Worksheets

LIST OF TABLES

Table		Page
Table 1	Estimate of Regional Project Construction Emissions (pounds per day)	17
Table 2	Estimate of Localized Project Construction Emissions (Mitigated) (pounds per day)	18
Table 3	Project Regional Operational Emissions—Project Buildout (2032) (pounds per day)	19
Table 4	Project Localized Operational Emissions—Project Buildout (2032) (pounds per day)	20
Table 5	Estimate of Maximum Regional Project Daily Concurrent (Year 2031) Operation and Construction Emissions—Unmitigated (pounds per day)	28

AIR QUALITY TECHNICAL REPORT FOR THE ROW DTLA RESIDENTIAL PROJECT

I. Introduction

This Air Quality Emissions Technical Study (Air Quality Study) has been prepared to evaluate potential construction and operational air quality emissions impacts associated with the ROW DTLA Residential Project (Project) pursuant to the California Environmental Quality Act (CEQA).

The Project is located at 757–787 S. Alameda Street, 1318–1396 E. 7th Street, 736–796 S. Central Avenue, 1301–1327 E. 8th Street, 700–760 S. Market Court, 720–746 S. Terminal Street, and 760 S. Warehouse Street in the Downtown Community Plan area of the City of Los Angeles (City), presently know as ROW DTLA (Project Site). The Project proposes the redevelopment of two existing surface parking lots (Development Area) into a mixed-use development located on the north and south sides of Center Street, on the eastern edge of the Project Site. The Project proposes three eight-story buildings that would provide 1,000 total residential units, including 114 Very Low Income units, and 6,547 square feet of commercial uses. The Project would provide up to 1,092 vehicle parking spaces and approximately 529 bicycle parking spaces. The Project is expected to be completed in 2032.

On November 24, 2021, the City Council certified the Citywide Housing Element 2021–2029 and Safety Element Updates Final Environmental Impact Report (EIR), SCH No. 2021010130, EIR No. ENV-2020-6762-EIR (Program EIR), to adopt the 2021–2029 Citywide Housing Element and the Updates to the Safety Element and the Plan for a Healthy LA (Health Element). Pursuant to CEQA Guidelines Sections 15168(c)(4) and 15168(d), Projects that are found to be within the scope of the program analyzed in the Program EIR and its environmental effects do not require further CEQA documentation. The air quality analysis below confirms that the Project would not result in significant air quality impacts that were not already examined in the Program EIR.

II. Project Location and Existing Uses

The Project Site consists of three large, irregularly shaped parcels that collectively measure approximately 31 acres in size. The Project Site occupies the northern half of the block bounded by E. 7th Street on the north, S. Central Avenue on the west, S. Alameda

Street on the east, and E. Olympic Boulevard to the south, with the partially vacated former E. 8th and Bay streets providing internal access within the middle of the block.

The Project Site is located in an expansive industrial district east of Downtown Los Angeles. The area surrounding the Project Site is primarily developed with warehouses, cold storage facilities, small-scale manufacturing operations, and other industrial uses, though in more recent years newer commercial office, commercial retail, and residential uses have been developed in the vicinity of the Site.

The Project Site is comprised of an industrial complex historically called the Los Angeles Union Wholesale Terminal, previously owned by the Southern Pacific Railroad, which currently encompasses a total of eight buildings, including seven large industrial buildings that were constructed between 1917 and 1923, and a parking garage constructed in 2016 (the District).

The portion of the Project Site along Central Avenue is used as a wholesale produce market and an outdoor weekend market known as Smorgasburg. The middle portion of the Site between 7th and 8th Street supports 46 retailers and restaurants and another 48 office and hybrid office/light manufacturing tenants which span multiple industries including technology, apparel, construction, produce wholesale and consumer goods, with the exception of 747 S. Alameda Street, which is currently vacant. The Project Site also includes a ten-story concrete parking structure that was built in 2016 and is accessed via S. Alameda Street. The parking structure contains approximately 3,884 parking spaces

The Development Area is located within the eastern portion of the Project Site along Alameda Street and is comprised of approximately 4.85 gross acres. The Development Area is currently developed with surface parking.

III. Project Description

The Project includes the development of three mixed-use buildings containing 1,000 residential units including 114 Low Income Housing units in three buildings and 6,547 square feet of commercial (retail/restaurant) uses within two buildings. Building A would include commercial space at the first floor; 417 residential units at the first through eighth floors; and two levels of subterranean parking. Building B would include 216 residential units at the first through eight floors and two levels of subterranean parking. Building C would include commercial space at the first floor; 367 residential units at the first through eighth floors; and two levels of subterranean parking. The proposed buildings would range from approximately 100 feet to 103 feet in height. Upon completion, 884,278 square feet of new floor would be provided. When accounting for the existing floor area to remain,

approximately 2,477,695 square feet of floor area would be provided within the Project Site with a total FAR of 1.86:1. Buildings A and B will be completed in 2029 and occupied, while Building C would be under construction from 2030 to 2032.

The Project would include 1,092 vehicular parking spaces. A total of 96,278 square feet of open space would also be provided. The existing uses within the remainder of the Project Site outside of the Development Area will remain and would not be modified by the Project.

IV. Scope of Work

The Program EIR prepared an air quality analysis to identify potential impacts related to implementation of the City's updated Housing Element. As part of the air quality analysis, mitigation measures were proposed to require air quality analyses for discretionary projects meeting certain conditions. Mitigation measure 4.2-2(a) of the Program EIR requires projects to prepare an air quality impact analysis when construction exceeds more than 13,500 square feet of demolition, more than 5,000 cubic yards of soil cut/fill, or greater than 5-acres of graded area.

With regard to operations, mitigation measure 4.2-2(b) requires projects to prepare an air quality analysis if the project would include more than 462 single-family residential units, 612 multi-family residential units, or any equivalent thereof. With regard to construction Toxic Air Contaminants (TACs), discretionary projects with a construction duration of more than 18 months that are within 500 feet of other residences, require the preparation of a health risk assessment (HRA) per Mitigation Measure 4.2-3 of the Program EIR. However, this requirement is waived if the Project commits to using USEPA Tier 4 emissions certified equipment.

As the Project would require export of more than 5,000 cubic yards of soil and would include more than 612 multi-family units, an air quality analysis was prepared to analyze the Project's construction and operational air quality impacts. As the Project would use USEPA Tier 4 emissions certified equipment, an HRA is not required.

The following analysis addresses the air emissions generated by construction and operation of the Project. The analysis demonstrates that the Project would not result in new significant air quality impacts not already addressed in the Program EIR.

The analysis of Project-generated air emissions focuses on whether the Project would cause an exceedance of an ambient air quality standard or South Coast Air Quality Management District (SCAQMD)significance threshold and provides a comparison with the

analysis in the Program EIR. Calculation worksheets, assumptions, and model outputs for the air quality analysis are included in Appendix AQ-3.

V. Environmental Impacts

A. Regulatory Framework

There are several plans, regulations, and programs that include policies, requirements, and guidelines regarding air quality at the federal, state, regional, and local levels. These regulations are included as Appendix AQ-1.

B. Air Quality Methodology

This air quality analysis focuses on the potential change in the air quality environment due to implementation of the Project. Air pollutant emissions would result from both construction and operation of the Project. Specific methodologies used to evaluate these emissions are discussed below.

The SCAQMD is primarily responsible for planning, implementing, and enforcing air quality standards for the South Coast Air Basin in which the Project is located. The SCAQMD published the CEQA Air Quality Handbook (approved by the SCAQMD's Governing Board in 1993) to provide local governments with guidance for analyzing and mitigating project-specific air quality impacts. The CEQA Air Quality Handbook provides standards, methodologies, and procedures for conducting air quality analyses. However, the SCAQMD is currently in the process of replacing the CEQA Air Quality Handbook with the Air Quality Analysis Guidance Handbook.

In order to assist the CEQA practitioner in conducting an air quality analysis in the interim while the replacement *Air Quality Analysis Guidance Handbook* is being prepared, supplemental guidance/information is provided on the SCAQMD website and includes: (1) Emission Factor (EMFAC) on-road vehicle emission factors; (2) background CO concentrations; (3) localized significance thresholds; (4) mitigation measures and control efficiencies; (5) mobile source toxics analysis; (6) off-road mobile source emission factors; (7) $PM_{2.5}$ significance thresholds and calculation methodology; and (8) updated SCAQMD Air Quality Significance Thresholds.[1] SCAQMD also recommends using approved models to calculate emissions from land use projects, such as the California Emissions Estimator

[1] *SCAQMD, Air Quality Analysis Handbook, www.aqmd.gov/home/regulations/ceqa/air-quality-analysis-handbook, accessed January 21, 2025.*

Model (CalEEMod). These recommendations were followed in the preparation of this analysis.

(1) Construction

Construction of the Project has the potential to generate temporary air pollutant emissions through the use of heavy-duty construction equipment, such as excavators and cranes, and through vehicle trips generated from workers and haul and delivery trucks traveling to and from the Project Site. In addition, fugitive dust emissions could result from demolition and various soil-handling activities. Mobile source emissions, primarily NO_X, could result from the use of construction equipment. Construction emissions can vary substantially from day to day, depending on the level of activity, the specific type of construction activity, and prevailing weather conditions. The assessment of construction air quality impacts considers each of these potential sources.

(a) Regional Emissions

The Project's "regional" emissions refer to emissions that will be evaluated based on regional significance thresholds established by SCAQMD. SCAQMD provides regional significance thresholds for the following criteria pollutants: Volatile Organic Compounds (VOC), Nitrogen Oxides (NO_X), Carbon Monoxide (CO), Sulfur Dioxide (SO_X), particulate matter with a diameter of 10 microns or less (PM_{10}) and particulate matter with a diameter of 2.5 microns or less ($PM_{2.5}$). Daily regional emissions during construction are estimated by assuming a conservative estimate of construction activities (i.e., assuming all construction occurs at the earliest feasible date) and applying mobile source and fugitive dust emissions factors. The emissions are estimated using CalEEMod (Version 2022.1) software, an emissions inventory software program recommended by SCAQMD. The CalEEMod model was developed for the California Air Pollution Control Officers Association (CAPCOA) in collaboration with SCAQMD and received input from other California air districts, and is currently used by numerous lead agencies in the Los Angeles area and within the state for quantifying the emissions associated with development projects undergoing environmental review, including by the City of Los Angeles.

CalEEMod is based on outputs from Off-road Emissions Inventory Program model[2] (OFFROAD) and EMission FACtor model[3] (EMFAC), which are emissions estimation models developed by the California Air Resources Board (CARB), and used to calculate emissions from construction activities, including off- and on-road vehicles, respectively. CalEEMod also

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[2] *CARB, 2021 Off-road Diesel Emission Factors, https://arb.ca.gov/emfac/offroad/, accessed January 21, 2025.*

[3] *CARB, EMFAC 2021, https://arb.ca.gov/emfac/, accessed January 21, 2025.*

relies upon known emissions data associated with certain activities or equipment (often referred to as "default" data, values or factors) that can be used if site-specific information is not available. CalEEMod contains default values to use in each specific local air district region. Appropriate statewide default values can be used, if regional default values are not defined. The input values used in this analysis were adjusted to be Project-specific based on equipment types and the construction schedule. These values were then applied to the construction phasing assumptions used in the criteria pollutant analysis to generate criteria pollutant emissions values for each construction activity. Construction tasks were aggregated to reflect overlapping tasks and identify the reasonably expected maximum construction emissions occurring over the course of Project construction. To be conservative, this analysis evaluates the Project's air quality impacts during construction based on reasonably expected maximum daily construction emissions even though such emissions would not occur throughout the entire construction phase. Detailed construction equipment lists, construction scheduling, and emissions calculations are provided in Appendix AQ-3.

(b) Localized Emissions

The localized effects from the on-site portion of daily construction emissions were evaluated at sensitive receptor locations potentially impacted by the Project according to SCAQMD's LST methodology, which uses on-site mass emissions rate look-up tables and Project-specific modeling, where appropriate, to assess whether the Project's local emissions would exceed SCAQMD's significance thresholds, as described above.[4] SCAQMD provides LSTs applicable to the following criteria pollutants: NO_X, CO, PM_{10}, and $PM_{2.5}$.[5] SCAQMD does not provide a LST for SO_2, Pb or H_2S since land use development projects typically result in negligible construction and long-term operation emissions of these pollutants. Since VOCs are not a criteria pollutant, there is no ambient standard or SCAQMD LST for VOCs. Due to the role VOCs play in O_3 formation, it is classified as a precursor pollutant, and only a regional emissions threshold has been established.

LSTs represent the maximum emissions from a project that are not expected to cause or contribute to an exceedance of the most stringent applicable federal or state ambient air quality standard and are developed based on the ambient concentrations of that pollutant for each source receptor area and distance to the nearest sensitive receptor. SCAQMD developed mass rate look-up tables for each source receptor area in order to determine whether or not a project may generate significant adverse localized air quality impacts.

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[4] *SCAQMD, LST Methodology Appendix C-Mass Rate LST Look-Up Table, October 2009.*

[5] *SCAQMD, LST Methodology, June 2003, revised July 2008, p. 1-4.*

SCAQMD provides LST mass rate look-up tables for projects with active construction areas that are less than or equal to 5 acres.[6]

(2) Operation

(a) Regional Emissions

Analysis of the Project's impact on regional air quality during long-term Project operations (i.e., after construction is complete) takes into consideration four types of sources: (1) area, (2) energy, (3) mobile, and (4) stationary. Area source emissions are generated by, among other things, landscape equipment, fireplaces, and the use of consumer products. Energy source emissions are generated as a result of activities in buildings for which natural gas is used (e.g., natural gas for commercial cooking).[7] Mobile source emissions are generated by the increase in motor vehicle trips to and from the Project Site associated with operation of the Project. Stationary source emissions are generated from proposed emergency generators during routine maintenance/testing.

Criteria pollutants are emitted during the generation of electricity at fossil fuel power plants. When electricity is used in buildings, the electricity generation typically takes place at offsite power plants, the majority of which burn fossil fuels. Because power plants are existing stationary sources permitted by air districts and/or the USEPA, criteria pollutant emissions are generally associated with the power plants themselves, and not individual buildings or electricity users. Additionally, criteria pollutant emissions from power plants are subject to local, state, and federal control measures, which can be considered to be the maximum feasible level of mitigation for stack emissions. CalEEMod, therefore, does not calculate criteria pollutant emissions from regional power plants associated with on-site use.

Similar to construction, SCAQMD's CalEEMod model was used to estimate Project emissions during operation. The CalEEMod default for VMT was bypassed to account for the Project-related VMT provided in the Transportation Assessment for the Project which was conducted consistent with Los Angeles Department of Transportation's (LADOT) *Transportation Assessment Guidelines*.[8] Consistent with these guidelines, the City and LADOT developed a "VMT Calculator" to comply with SB 743, which requires lead agencies to adopt VMT criteria to determine transportation related impacts. CalEEMod calculates mobile-source emissions using the Project's VMT, trip generation, and emission factors

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[6] *As discussed below, the LSTs were derived for the 4.85 acre Development Area.*

[7] *The Prcject's retail component may include restaurant uses. Natural gas consumption for restaurant cooking is exempt under the City's all-electric buildings ordinance.*

[8] *Gibson Transportation Consultants, Inc., Transportation Assessment for The Row DTLA Residential Prcject, Los Angeles, California, December 2024.*

based on EMFAC2021.[9] Area source emissions are based on landscaping equipment, and consumer product usage (including paints) rates provided in CalEEMod. Emissions associated with use of emergency generators were calculated using CalEEMod, in which emission factors are based on Table 3.4-1 (Gaseous Emission Factors for Large Stationary Diesel Engines) from EPA's AP-42: Compilation of Air Pollutant Emission Factors. The emissions are based on the horsepower rating of the diesel generator and the number of hours operated per year for testing purposes.

To determine if a significant air quality impact would occur, the increase in regional operational emissions generated by the Project was compared against SCAQMD's significance thresholds.[10] To be conservative, this analysis evaluates the Project's air quality impacts during operations based on reasonably expected maximum operational emissions even though such emissions would not occur throughout the entire operational phase. Also, the Development Area is an existing, unused, parking lot which does not generate vehicle trips or emissions. Therefore, existing emissions were assumed to be zero. Refer to Appendix AQ-2 for additional information regarding methodology.

(b) Localized Emissions

(i) On-Site Emissions

Localized impacts from Project operations include the calculation of on-site emissions (e.g., combustion from natural gas usage) using SCAQMD's recommended CalEEMod and evaluation of these emissions consistent with SCAQMD's LST methodology discussed above.

(ii) Off-Site Emissions

Potential localized CO concentrations from induced traffic at nearby intersections are also addressed, consistent with the methodologies and assumptions used in the consistency analysis provided in the 2003 AQMP. The 2003 AQMP was the latest AQMP to perform the modeling attainment demonstration for CO.[11]

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[9] *CAPCOA, California Emissions Estimator Model, Appendix C: Calculation Details for CalEEMod, April 2022.*

[10] *SCAQMD, SCAQMD Air Quality Significance Thresholds, revised March 2015. SCAQMD based these thresholds, in part, on the federal Clean Air Act and, to enable defining "significant" for CEQA purposes, defined the setting as the South Coast Air Basin. (See SCAQMD, CEQA Air Quality Handbook, April 1993, pp. 6-1 and 6-2.).*

[11] *SCAQMD, 2003 Air Quality Management Plan, Final 2003 AQMP Appendix V Modeling and Attainment Demonstrations, August 2003*

It has been recognized that CO exceedances are caused by vehicular emissions,[12] primarily when idling at intersections.[13,14] Accordingly, vehicle emissions standards have become increasingly more stringent. Before the first vehicle emission regulations, cars in the 1950s were typically emitting about 87 grams of CO per mile.[15] Since the first regulation of CO emissions from vehicles (model year 1966) in California, vehicle emissions standards for CO applicable to light duty vehicles have decreased by 96 percent for automobiles,[16,17] and new cold weather CO standards have been implemented, effective for the 1996 model year.[18] Currently, the CO standard in California is a maximum of 3.4 grams/mile for passenger cars (with provisions for certain cars to emit even less).[19] With the turnover of older vehicles, introduction of cleaner fuels and implementation of control technology on industrial facilities, CO concentrations in the Air Basin have steadily declined.

The analysis prepared for CO attainment in the Air Basin by SCAQMD can be used to assist in evaluating the potential for CO exceedances in the Air Basin. CO attainment was thoroughly analyzed as part of SCAQMD's 2003 AQMP and the 1992 Federal Attainment Plan for Carbon Monoxide (1992 CO Plan).[20] As discussed in the 1992 CO Plan, peak CO concentrations in the Air Basin are due to unusual meteorological and topographical conditions, and not due to the impact of particular intersections. Considering the region's unique meteorological conditions and the increasingly stringent CO emissions standards, CO modeling was performed as part of the 1992 CO Plan and subsequent plan updates and air quality management plans.

In the 1992 CO Plan, a CO hot spot analysis was conducted for four busy intersections in Los Angeles at the peak morning and afternoon time periods. The busiest intersection evaluated was at Wilshire Boulevard and Veteran Avenue, which had a daily traffic volume

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12 *USEPA, Air Quality Criteria for Carbon Monoxide, EPA 600/P-099/001F, 2000.*

13 *SCAQMD, CEQA Air Quality Handbook, Section 4.5, 1993.*

14 *SCAQMD, Air Quality Management Plan, 2003.*

15 *USEPA, Timeline of Major Accomplishments in Transportation, Air Pollution, and Climate Change, www.epa.gov/transportation-air-pollution-and-climate-change/timeline-major-accomplishments-transportation-air, accessed January 21, 2025.*

16 *National Academy Board on Energy and Environmental Systems, Review of the 21st Century Truck Partnership, 2008, Appendix D: Vehicle Emission Regulations [excerpt from http://books.nap.edu/openbook.php?record_id=12258&page=107].*

17 *Kavanagh, Jason, Untangling U.S. Vehicle Emissions Regulations, 2008.*

18 *Title 13, California Code of Regulations, Section 1960.1(f)(2) [for 50,000 mile half-life].*

19 *CARB, California Exhaust Emission Standards and Test Procedures for 2001 and Subsequent Model Passenger Cars, Light-duty Trucks, and Medium-duty Vehicles, amended September 27, 2010.*

20 *SCAQMD, Federal Attainment Plan for Carbon Monoxide, 1992.*

of approximately 100,000 vehicles per day. The 2003 AQMP estimated that the 1-hour concentration for this intersection was 4.6 ppm, which indicates that the most stringent 1-hour CO standard (20.0 ppm) would likely not be exceeded until the daily traffic at the intersection exceeded more than 400,000 vehicles per day.[21] As an initial screening step, if a project intersection does not exceed 400,000 vehicles per day, then the project does not need to prepare a detailed CO hot spot analysis. If a project would potentially result in a CO hotspot based on the initial screening, detailed modeling may be performed using California LINE Source Dispersion Model, version 4 (CALINE4), which is a model used to assess air quality impacts near transportation facilities (i.e., roadways, intersections, and parking facilities).

(3) Toxic Air Contaminants Impacts (Construction and Operations)

Potential TAC impacts are evaluated by conducting a qualitative analysis consistent with CARB's *Air Quality and Land Use Handbook: A Community Health Perspective (CARB's Handbook)*, which provides recommendations regarding the siting of new sensitive land uses near potential sources of toxic air emissions (e.g., freeways, distribution centers, rail yards, ports, refineries, chrome plating facilities, dry cleaners, and gasoline dispensing facilities).[22] SCAQMD adopted similar recommendations in its *Guidance Document for Addressing Air Quality Issues in General Plans and Local Planning*.[23] Given that Page 2-3 of the SCAQMD guidance states that "the potential for public health impacts remains unchanged when siting sensitive receptors near a pollution source or a pollution source near a sensitive receptor," and has adopted similar siting distances from the CARB Handbook, the City as Lead Agency has elected to use the siting distances in Table 1-1 of the CARB Handbook for evaluating health risk impacts from TAC sources and on sensitive uses. The qualitative analysis consists of reviewing the Project to identify any new or modified TAC emissions sources and evaluating the potential for such sources to cause significant TAC impacts. This qualitative evaluation also takes into account the Project's potential source of TAC emissions and distance to sensitive receptors based on CARB siting distances. If the qualitative evaluation does not rule out significant impacts from a new source, or modification of an existing TAC emissions source, a more detailed analysis is conducted. For the detailed analysis, downwind sensitive receptor locations are identified, and site-specific dispersion modeling is conducted to estimate Project impacts.

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[21] *Based on the ratio of the CO standard (20.0 ppm) and the modeled value (4.6 ppm).*

[22] *CARB, Air Quality and Land Use Handbook, a Community Health Perspective, April 2005.*

[23] *SCAQMD, Guidance Document for Addressing Air Quality Issues in General Plans and Local Planning, May 6, 2005.*

C. Air Quality Impacts

Impact Determination in the Housing Element Update Program EIR

A summary of the analysis from Section 4.2, Air Quality, of the Housing Element Update Program EIR, is provided below.

With regard to Threshold (a), as detailed in the Program EIR, implementation of the Housing Element Update would not conflict with the implementation of transportation control measures (TCMs) from the AQMP and would include policies to further reduce air pollutant emissions through promoting transportation and land use design factors and would therefore be consistent with the AQMP control measures. As such, impacts were determined to be less than significant.

With regard to Threshold (b), as evaluated in the Program EIR, anticipated construction and operations of projects would exceed SCAQMD regional significance thresholds. The Program EIR included mitigation measures 4.2-2(a) and 4.2-2(b) for construction and operation, respectively. As discussed above, mitigation measures 4.2-2(a) and 4.2-2(b) of the Program EIR require air quality analyses for Projects meeting certain conditions. In addition, these mitigation measures include requirements such as EPA Tier 4 emissions compliant equipment, haul trucks meeting Model Year 2010 emissions standards and use of alternative fueled equipment. However, the Program EIR concluded that impacts remained significant and unavoidable under both construction and operation.

With regard to Threshold (c), as evaluated in the Program EIR, anticipated construction and operations within the Housing Element Update would not exceed SCAQMD's localized significance thresholds except for TACs during construction. The Program EIR included Mitigation Measure 4.2-3, which requires a HRA or Tier 4 construction equipment for projects with anticipated construction durations longer than 18 months. As the Project would use EPA Tier 4 emissions compliant equipment, an HRA is not required for the Project. The Program EIR concluded that construction related TAC impacts would be less than significant after mitigation and all other substantial pollutant concentrations were found to be less than significant.

Regarding Threshold (d), the Initial Study concluded that implementation of the Housing Element Update would not result in significant construction and operational odor impacts.

The regulatory setting of the Air Quality analysis contained in the Program EIR contains a number of Regulatory Compliance Measures (RCMs) which are regulations adopted for the protection of air quality. The RCMs are considered in this air quality analysis.

Among others, housing development accommodated under the Housing Element Update would be required to comply with the following RCMs:

RCM-AQ-1 (Demolition, Grading and Construction Activities): The project shall comply with all applicable standards of the Southern California Air Quality Management District, including the following provisions of District Rule 403:

- All unpaved demolition and construction areas shall be wetted at least twice daily during excavation and construction, and temporary dust covers shall be used to reduce dust emissions and meet SCAQMD District Rule 403. Wetting could reduce fugitive dust by as much as 50 percent.
- The construction area shall be kept sufficiently dampened to control dust caused by grading and hauling, and at all times provide reasonable control of dust caused by wind.
- All clearing, earth moving, or excavation activities shall be discontinued during periods of high winds (i.e., greater than 15 mph), so as to prevent excessive amounts of dust.
- All dirt/soil loads shall be secured by trimming, watering or other appropriate means to prevent spillage and dust.
- All dirt/soil materials transported off-site shall be either sufficiently watered or securely covered to prevent excessive amount of dust.
- General contractors shall maintain and operate construction equipment so as to minimize exhaust emissions.
- Trucks having no current hauling activity shall not idle but be turned off.
- Vehicle speeds shall be limited to 15 mph on unpaved roads.

RCM-AQ-2 (Construction Equipment Fleet Regulations): In accordance with California Off-Road Diesel-Fueled Fleet Regulations, equipment operators shall be registered using the Diesel Off-Road Online Reporting System (DOORS) and diesel-powered construction equipment with 25 horsepower or greater engines shall meet exhaust PM and NOx emissions standards.

RCM-AQ-3 (Idling of Diesel-fueled Commercial Vehicles): In accordance with Sections 2485 in Title 13 of the California Code of Regulations, the idling of all diesel-fueled commercial vehicles (weighing over 10,000 pounds) shall be limited to five minutes at any location.

RCM-AQ-4 (Operation of Diesel-fueled Commercial Vehicles): In accordance with Section 93115 in Title 17 of the California Code of Regulations, operation of any stationary, diesel-fueled, compression- ignition engines

shall meet specified fuel and fuel additive requirements and emission standards.

RCM-AQ-5 (Architectural Coatings): The project shall comply SCAQMD Rule 1113 limiting the volatile organic compound content of architectural coatings.

RCM-AQ-6 (Adhesive and Sealant Applications): Compliance with provisions of the SCAQMD Rule 1168. Projects shall comply with SCAQMD Rule 1168 limiting the VOC content of adhesives, sealants, adhesive primers, and sealant primers.

RCM-AQ-7 (Emission Control Measures): New on-site facility nitrogen oxide emissions shall be minimized through the use of emission control measures (e.g., use of best available control technology for new combustion sources such as boilers and water heaters) as required by SCAQMD Regulation.

The analysis below was performed consistent with mitigation measures 4.2-2(a) and 4.2-2(b) of the Program EIR, which requires an air quality analysis for projects that meet specific criteria. As discussed above, the Project meets certain criteria of exporting more than 5,000 cubic yards of soil and include more than 612 multi-family units which requires an air quality analysis.

Impact Analysis

a. Would the project conflict with or obstruct implementation of the applicable air quality plan?

Less Than Significant Impact. The Project Site, including the Development Area, is located within the 6,745-square-mile South Coast Air Basin (Basin), which includes all of Orange County and portions of Los Angeles, Riverside, and San Bernardino Counties. The SCAQMD is the air pollution control agency for the Basin and is required, pursuant to the Clean Air Act, to reduce emissions of criteria pollutants for which the Basin is in non-attainment (i.e., ozone [O_3]). SCAQMD's 2022 Air Quality Management Plan (2022 AQMP) is the regional blueprint for achieving air quality standards and healthful air. The 2022 AQMP contains a comprehensive list of pollution control strategies directed at reducing emissions and achieving ambient air quality standards. These strategies are developed, in part, based on regional population, housing, and employment projections prepared by SCAG.

SCAG is the regional planning agency for Los Angeles, Orange, Ventura, Riverside, San Bernardino, and Imperial Counties and addresses regional issues relating to transportation, the economy, community development and the environment. With regard to

future growth, SCAG prepared the 2020–2045 Regional Transportation Plan/Sustainable Communities Strategy (2020–2045 RTP/SCS) which provides population, housing, and employment projections for cities under its jurisdiction.[24] The growth projections in the 2020–2045 RTP/SCS are based in part on projections originating under County and City General Plans. These growth projections were utilized in the preparation of the air quality forecasts and consistency analysis included in the 2022 AQMP.

The 2022 AQMP was adopted by the SCAQMD as a program to lead the Air Basin into compliance with several criteria pollutant standards and other federal requirements. It relies on emissions forecasts based on demographic and economic growth projections provided by SCAG's 2020–2045 RTP/SCS. SCAG is charged by California law to prepare and approve "the portions of each AQMP relating to demographic projections and integrated regional land use, housing, employment, and transportation programs, measures and strategies." Projects whose growth is included in the projections used in the formulation of the AQMP are consistent with the plan and would not interfere with its attainment. The SCAQMD recommends that, when determining whether a project is consistent with the current AQMP, a lead agency must assess whether the project would directly obstruct implementation of the plan and whether it is consistent with the demographic and economic assumptions (typically land use related, such as resultant employment or residential units) upon which the plan is based.[25]

As described in detail above, the Project would include the development of three new buildings comprising 884,278 square feet. These buildings would provide 1,000 multifamily units, including 114 Extremely Low-Income affordable housing units, and 6,547 square feet of neighborhood-serving commercial uses. The Project would increase the residential population as well as the daytime population (employees) within the Development Area. Specifically, based on the City's VMT Calculator Documentation, the Project could generate a new residential population of approximately 2,354 persons.[26] The Project's 6,547 square

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[24] *On April 4, 2024, SCAG adopted the 2024–2050 RTP/SCS. Similar to the 2020–2045 RTP/SCS, the 2024–2050 RTP/SCS is a long-term plan for the Southern California region that details investment in the transportation system and development in communities to meet the existing and future needs of the region through projects, investments, policies and strategies. While the 2024–2050 RTP/SCS has been adopted by SCAG, the 2024–2050 RTP/SCS has not yet been approved by CARB. In addition, SCAG's 2020–2045 RTP/SCS forecasted population, housing, employment growth data were used to characterize regional growth in the 2022 AQMP. As such, this analysis uses SCAG's 2020–2045 RTP/SCS.*

[25] *SCAQMD, CEQA Air Quality Handbook, Section 12.1, 1993.*

[26] *Based on City of Los Angeles VMT Calculator Documentation (Version 1.3), May 2020, Table 1: Land Use and Trip Generation Base Assumptions. The generation rate of 2.25 persons per dwelling unit for "Multi-Family" land use is applied to the 886 dwelling units. The generation rate of 3.14 persons per dwelling unit for "affordable Housing – Family" land use is applied to the 114 affordable dwelling units. As documented in Appendix AQ-3, VMT Analysis LADOT Calculator Worksheets, of the Project's Transportation Assessment, the Project would generate approximately 2,354 residents.*

feet of ground-floor commercial space would generate approximately 26 net new employees based on employee generation rates developed by the LADOT.[27] The increase in population would represent 1.02 percent of the population increase projected for the City in the 2020–2045 RTP/SCS.[28] This increase in population and employees would be well within the existing population and employment projections for the region Furthermore, while the Project would generate jobs associated with construction of the Project, these employment opportunities would be short-term opportunities during construction and are employment positions that circulate throughout the region based on the construction site. Therefore, the Project would be consistent with the demographic projections set forth in SCAG's 2020–2045 RTP/SCS, which were also used in the 2022 AQMP. Thus, the Project would not conflict with or obstruct implementation of the 2022 AQMP.

With regard to consistency with growth projections of the 2024–2050 RTP/SCS, the Project would represent approximately 2.36 percent of the projected population growth in the SCAG region between 2024 and 2032 (i.e., the Project's baseline and buildout years) and approximately 0.03 percent of the projected employment growth in the SCAG Region between 2024 and 2032.[29,30] Therefore, the Project's contribution to population and employment growth would be also consistent with 2024–2050 RTP/SCS projections.

The City's General Plan Air Quality Element identifies policies and strategies for advancing the City's clean air goals. To achieve the goals of the Air Quality Element, performance-based standards have been adopted by the City of Los Angeles to provide flexibility in implementation of its policies and objectives. The goals, objectives, and policies in the Air Quality Element applicable to the Project include:

> ***Goal 1:*** *Good air quality and mobility in an environment of continued population growth and healthy economic structure.*
>
> > **Objective 1.1:** It is the objective of the City of Los Angeles to reduce air pollutants consistent with the Regional Air Quality Management Plan (AQMP), increase traffic mobility, and sustain economic growth citywide.

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[27] *Based on City of Los Angeles VMT Calculator Documentation (Version 1.3), May 2020, Table 1: Land Use and Trip Generation Base Assumptions. The generation rate of 0.004 people per square feet for "High-Turnover Sit-Down Restaurant" land use is applied to the 6,547 square feet of restaurant use. As documented in Appendix AQ-3, VMT Analysis LADOT Calculator Worksheets, of the Project's Transportation Assessment, the Project would generate approximately 26 employees.*

[28] *Project Residents (2,354) / City population increase (231,034) * 100% = 1.02%*

[29] *Project Residents (2,354) / City population increase (99,600) * 100% = 2.36%*

[30] *Project Employees (26) / City employee increase (82,900) * 100% = 0.03%*

Objective 1.3: It is the objective of the City of Los Angeles to reduce particulate air pollutants emanating from unpaved areas, parking lots, and construction sites.

Policy 1.3.2: Minimize particulate emissions from unpaved roads and parking lots which are associated with vehicular traffic.

Policy 4.2.3: Ensure that new development is compatible with pedestrians, bicycles, transit, and alternative fuel vehicles.

As previously noted, the Project would add new residential and commercial uses within the Project Site resulting in increases in residential population and employees. The Project Site's location within the existing highly urbanized Downtown Community Plan area, SCAG-designated High Quality Transit Area (HQTA) and City-designated Transportation Priority Area (TPA) would reduce per capita vehicle miles traveled (VMT) and related vehicle emissions in comparison to a project located in a non-urban environment, as discussed further in the Transportation Assessment (which includes the VMT Calculator analysis for the Project in Appendix D).[31] The Project's 1,000 residential units, including the 114 affordable units, would provide the opportunity for workers to live within close proximity to their place of employment. In addition, the Project would be developed in an urban area within proximity to other residential and commercial uses and along an active transportation corridor with various public transit options and would include short- and long-term bicycle parking spaces for the proposed uses. The Project would also include primary entrances for pedestrians and bicyclists that would be safe and easily accessible. As such, the Project would promote the use of alternative modes of transportation and would facilitate reduced VMT compared to an alternative project without such features, as discussed in the Transportation Assessment.

As shown in Table 1 through Table 4 on pages 17 through 20, Project implementation would not exceed California or federal ambient air quality standards or thresholds. As the Project would not increase the frequency or severity of an existing air quality violation or cause or contribute to new violations for air quality pollutants including VOC, NO_x, CO, SO_x, PM_{10}, and $PM_{2.5}$, the Project would also not delay timely attainment of air quality standards or interim emission reductions specified in the 2022 AQMP. In addition, the Project would be consistent with the population and employment growth projections in the AQMP. ***Therefore, the Project would not conflict with or obstruct implementation of the SCAQMD's AQMP, and impacts would be less than significant.*** **In addition, no new or greater significant impacts are anticipated under the Project compared to the Program EIR.**

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[31] *Gibson Transportation Consultants, Inc., Transportation Assessment for The Row DTLA Residential Prcject, Los Angeles, California, December 2024.*

Table 1
Estimate of Regional Project Construction Emissions[a]
(pounds per day)

Construction Year	VOC[b]	NO_X	CO	SO_X	PM_{10}	$PM_{2.5}$
Regional Construction Emissions Winter						
Year 2026	1	16	41	<1	4	1
Year 2027	3	29	82	<1	9	2
Year 2028	12	31	102	<1	14	4
Year 2029	14	9	38	<1	6	1
Year 2030	2	38	68	<1	15	4
Year 2031	1	14	37	<1	7	2
Year 2032	13	5	25	<1	4	1
Maximum Unmitigated Construction Emissions	14	38	102	<1	15	4
SCAQMD Daily Significance Thresholds	**75**	**100**	**550**	**150**	**150**	**55**
Over/(Under)	**(61)**	**(62)**	**(448)**	**(150)**	**(135)**	**(51)**
Exceed Threshold?	**No**	**No**	**No**	**No**	**No**	**No**
Regional Construction Emissions Summer						
Year 2026	2	39	54	<1	21	4
Year 2027	3	35	86	<1	22	4
Year 2028	10	12	57	<1	9	2
Year 2029	14	9	41	<1	6	1
Year 2030	3	37	71	<1	15	4
Year 2031	1	14	37	<1	7	2
Year 2032	13	5	25	<1	4	1
Maximum Unmitigated Construction Emissions	14	39	86	<1	22	4
SCAQMD Daily Significance Thresholds	**75**	**100**	**550**	**150**	**150**	**55**
Over/(Under)	**(61)**	**(61)**	**(464)**	**(150)**	**(128)**	**(51)**
Exceed Threshold?	**No**	**No**	**No**	**No**	**No**	**No**

[a] *Compiled using the CalEEMod emissions model. The equipment mix and use assumption for each phase are provided in Appendix AQ-3. CalEEMod modeling outputs are also provided in Appendix AQ-3. Numbers may not add up exactly due to rounding.*

[b] *Please note that the SCAQMD significance threshold is in terms of VOC while CalEEMod calculates reactive organic compounds (ROG) emissions. For purposes of this analysis, VOC and ROG are used interchangeably since ROG represents approximately 99.9 percent of VOC emissions.*

Source: Eyestone Environmental, 2025.

Table 2
Estimate of Localized Project Construction Emissions (Unmitigated)
(pounds per day)[a]

Construction Year	NO_X	CO	PM_{10}[b]	$PM_{2.5}$[b]
Winter				
Year 2026	9	28	<1	<1
Year 2027	18	54	1	<1
Year 2028	18	55	<1	<1
Year 2029	6	19	<1	<1
Year 2030	12	43	4	<1
Year 2031	7	22	2	<1
Year 2032	3	14	<1	<1
Maximum Unmitigated Daily Localized Emissions	**18**	**55**	**4**	**<1**
SCAQMD Localized Significance Thresholds[c]	**82**	**1,454**	**30**	**9**
Over/(Under)	**(64)**	**(1,399)**	**(26)**	**(8)**
Exceed Threshold?	**No**	**No**	**No**	**No**
Summer				
Year 2026	12	37	13	1
Year 2027	18	54	12	1
Year 2028	6	20	<1	<1
Year 2029	6	19	<1	<1
Year 2030	12	43	4	<1
Year 2031	7	22	2	<1
Year 2032	3	14	<1	<1
Maximum Unmitigated Daily Localized Emissions	**18**	**54**	**13**	**1**
SCAQMD Localized Significance Thresholds[c]	**82**	**1,454**	**30**	**9**
Over/(Under)	**(64)**	**(1,400)**	**(17)**	**(7)**

[a] *Compiled using the CalEEMod emissions model. The equipment mix and use assumption for each phase are provided in Appendix AQ-3. CalEEMod modeling outputs are also provided in Appendix AQ-3. Numbers may not add up exactly due to rounding.*

[b] *PM_{10} and $PM_{2.5}$ emission estimates are based on compliance with SCAQMD Rule 403 requirements for fugitive dust suppression.*

[c] *The SCAQMD LSTs are based on Source Receptor Area No. 1 (Central LA) for a 2-acre site with a 70-meter receptor distance. The closest sensitive receptor are residential uses located approximately 230 feet (70 meters) north of the Prcject Site. Refer to SCAQMD Localized Significance Threshold Methodology, Appendix C, July 2008.*

Source: Eyestone Environmental, 2025; SCAQMD, Final Localized Significance Threshold Methodology, July 2008.

Table 3
Project Regional Operational Emissions—Project Buildout (2032)
(pounds per day)[a]

Emission Source	VOC[b]	NO_X	CO	SO_X	PM_{10}	$PM_{2.5}$
Winter						
Area	12	<1	<1	<1	<1	<1
Energy (Natural Gas)	<1	<1	<1	<1	<1	<1
Mobile	11	7	79	<1	22	6
Emergency Generators	1	4	4	<1	<1	<1
Project Emissions	**25**	**12**	**83**	**<1**	**22**	**6**
SCAQMD Significance Threshold	**55**	**55**	**550**	**150**	**150**	**55**
Over/(Under)	**(30)**	**(43)**	**(467)**	**(150)**	**(128)**	**(49)**
Exceed Threshold?	**No**	**No**	**No**	**No**	**No**	**No**
Summer						
Area	20	<1	76	<1	<1	<1
Energy (Natural Gas)	<1	<1	<1	<1	<1	<1
Mobile	12	7	85	<1	22	6
Emergency Generators	1	4	4	<1	<1	<1
Project Emissions	**33**	**12**	**165**	**<1**	**22**	**6**
SCAQMD Significance Threshold	**55**	**55**	**550**	**150**	**150**	**55**
Over/(Under)	**(22)**	**(43)**	**(385)**	**(150)**	**(128)**	**(49)**
Exceed Threshold?	**No**	**No**	**No**	**No**	**No**	**No**

Note: Numbers may not add up exactly due to rounding

[a] *Compiled using the CalEEMod emissions model. Worksheets and CalEEMod modeling outputs are also provided in Appendix AQ-3.*

[b] *CalEEMod calculates VOC from architectural coatings and ROG from mobile sources. Both VOC and ROG are precursors to ozone, so they are summed in the CalEEMod report under the header ROG. For purposes of comparing the ROG value to a VOC significance threshold, the terms can be used interchangeably.*

Source: Eyestone Environmental, 2025

Table 4
Project Localized Operational Emissions—Project Buildout (2032)
(pounds per day)[a]

Emission Source	NO_X	CO	PM_{10}	$PM_{2.5}$
Winter				
Area[b]	<1	<1	<1	<1
Energy (Natural Gas)	<1	<1	<1	<1
Emergency Generators	4	4	<1	<1
Project Emissions[c]	**4**	**4**	**<1**	**<1**
SCAQMD Significance Threshold[d]	**82**	**1,454**	**8**	**3**
Over/(Under)	**(78)**	**(1,450)**	**(8)**	**(3)**
Exceed Threshold?	**No**	**No**	**No**	**No**
Summer				
Area[b]	<1	76	<1	<1
Energy (Natural Gas)	<1	<1	<1	<1
Emergency Generators	4	4	<1	<1
Project Emissions	**5**	**80**	**<1**	**<1**
SCAQMD Significance Threshold[c]	**82**	**1,454**	**8**	**3**
Over/(Under)	**(77)**	**(1,374)**	**(7)**	**(2)**
Exceed Threshold?	**No**	**No**	**No**	**No**

[a] *Compiled using the CalEEMod emissions model. Worksheets and CalEEMod modeling outputs are also provided in Appendix AQ-3.*

[b] *Area sources include consumer products, architectural coatings and landscaping activities. During winter, CalEEMod assumes minimal landscaping activities. However, worst-case emissions during the summer are used to evaluate impacts.*

[c] *Localized emissions include area, energy and stationary sources.*

[d] *The SCAQMD LSTs are based on Source Receptor Area No. 1 (Central LA) for a 4.85-acre site with a 70-meter receptor distance. The closest sensitive receptor are residential uses located approximately 230 feet (70 meters) north of the Project Site. Refer to SCAQMD Localized Significance Threshold Methodology, Appendix C, July 2008.*

Source: Eyestone Environmental, 2025; SCAQMD, Final Localized Significance Threshold Methodology, July 2008.

Threshold (b): Would the Project result in a cumulatively considerable net increase of any criteria pollutant for which the project region is non-attainment under an applicable federal or State ambient air quality standard?[32]

Less Than Significant Impact with Mitigation. As indicated above, the Project Site is located within the South Coast Air Basin, which is characterized by relatively moderate air

[32] *See Appendix AQ-1 Regulatory Framework, Table 1, for the attainment status of criteria pollutants.*

quality. State and federal air quality standards are often exceeded in many parts of the Basin, including the monitoring stations nearest to the Project Site, which exceed the most stringent ambient air quality standard for ozone and particulate matter. The monitoring station most representative of the Project Site is the Central LA Station, located at 1360 North Main Street in the City of Los Angeles, approximately 2.2 miles north of the Project Site. The Project would contribute to local and regional air pollutant emissions during construction (short-term) and Project occupancy (long-term). However, as demonstrated by the following analysis, construction and operation of the Project would result in less than significant impacts relative to the daily significance thresholds for criteria air pollutant emissions established within the SCAQMD CEQA Air Quality Handbook.[33]

Construction

Construction of the Project has the potential to create regional air quality impacts by heavy-duty construction equipment and vehicle trips generated by construction workers traveling to and from the Project Site. In addition, fugitive dust emissions would result from site preparation, grading, and construction activities. Mobile source emissions, primarily particulate matter and NO_X would result from the use of construction equipment such as loaders, excavators, backhoes, and haul trucks. During the finishing phase, paving operations and the application of architectural coatings (e.g., paints) and other building materials would release VOCs. Construction emissions can vary substantially from day to day, depending on the level of activity, the specific type of operation and, for dust, the prevailing weather conditions.

Based on criteria set forth in the SCAQMD CEQA Air Quality Handbook, a project would have the potential to violate an air quality standard or contribute substantially to an existing violation and result in a significant impact with regard to construction emissions if regional emissions from both direct and indirect sources would exceed any of the following SCAQMD prescribed threshold levels: (1) 75 pounds a day for VOCs; (2) 100 pounds per day for NO_X; (3) 550 pounds per day for CO; (4) 150 pounds per day for SO_X; (5) 150 pounds per day for PM_{10}; and (6) 55 pounds per day for $PM_{2.5}$.[34]

Construction activities would include demolition, offsite improvements (utility relocation), site preparation, grading, paving, building construction, and architectural coatings. Construction is estimated to commence in June 2026 with completion in August 2032. Construction would require approximately 152,610 cubic yards of total soil export.

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[33] *SCAQMD, Air Quality Analysis Guidance Handbook, www.aqmd.gov/home/rules-compliance/ceqa/air-quality-analysis-handbook, accessed January 21, 2025.*

[34] *SCAQMD, Air Quality Analysis Guidance Handbook, www.aqmd.gov/home/rules-compliance/ceqa/air-quality-analysis-handbook, accessed January 21, 2025.*

Regional Impacts

Regional construction-related emissions associated with heavy construction equipment were calculated using the SCAQMD recommended California Emissions Estimator Model (CalEEMod) Version 2022.1. Model results are provided in Appendix AQ-3. The analysis assumes that all construction activities would comply with SCAQMD Rule 403 regarding the control of fugitive dust. As discussed above, the Program EIR for the Housing Element Checklist includes Mitigation Measure 4.2-3 that states that if a Project is committed to using USEPA Tier 4 emissions certified equipment, a health risk assessment for construction activities is not required. As the Applicant has committed to use USEPA Tier 4 emissions equipment, this equipment has been incorporated into the analysis below and is also included as a mitigation measure to ensure compliance.[35]

A summary of maximum daily regional emissions for Project construction is presented in Table 1 on page 17, along with the regional significance thresholds for each air pollutant. As presented therein, construction-related daily maximum regional construction emissions (i.e., combined on-site and off-site emissions) would not exceed the thresholds for VOC, NO_X, CO, SO_X, PM_{10}, or $PM_{2.5}$.

The conclusions of the Program EIR indicated significant and unavoidable regional construction air quality impacts. Project construction emissions would not exceed the SCAQMD's significance thresholds for criteria pollutants. Accordingly, the Project would not create any new significant air quality impacts nor result in a substantial increase in a previously identified significant impact. Such impacts would be within the envelope of impacts set forth in the Program EIR.

As Project regional construction emissions would remain below SCAQMD significance thresholds, the Project would result in a less than significant impact with regard to regional construction emissions. In addition, no new or greater significant impacts are anticipated under the Project compared to the Program EIR

Localized Impacts

The localized effects from on-site daily emissions were evaluated at sensitive receptor locations potentially impacted by the Project according to SCAQMD's localized significance thresholds (LST) methodology, which uses on-site mass emissions rate lookup tables and

[35] *As demonstrated by the modeling data provided in the Appendix to this report, both localized and regional construction emissions under the Prcject would be less than significant without use of Tier 4 emissions equipment.*

Project-specific modeling, where appropriate.[36] SCAQMD provides LSTs applicable to the following criteria pollutants: NO_X, CO, PM_{10}, or $PM_{2.5}$. SCAQMD does not provide an LST for SO_2 since land use development projects typically result in negligible construction and long-term operation emissions of this pollutant. Since VOCs are not a criteria pollutant, there is no ambient standard or SCAQMD LST for VOCs. Due to the role VOCs play in O_3 formation, they are classified as a precursor pollutant, and only a regional emissions threshold has been established.

LSTs represent the maximum emissions from a project that are not expected to cause or contribute to an exceedance of the most stringent applicable federal or state ambient air quality standards and are developed based on the ambient concentrations of that pollutant for each source receptor area and distance to the nearest sensitive receptor. The mass rate look-up tables were developed for each source receptor area and can be used to determine whether a project may generate significant adverse localized air quality impacts. SCAQMD provides LST mass rate look-up tables for projects with active construction areas that are less than or equal to 5 acres. The total active construction area for the North and South Parcels is 4.85-acres. The North Parcel would consist of approximately two acres while the South Parcel would consist of 2.85 acres.

Estimates of maximum construction-related localized (on-site) daily emissions for NO_X, CO, PM_{10}, and $PM_{2.5}$ are presented in Table 2 on page 18. Based on the construction site acreage and distance to the closest off-site sensitive receptors, localized construction emissions thresholds were obtained from the LST look-up tables and are also listed in Table 2. The nearest residential uses are located approximately 230 feet (70 meters) to the north of the Project Site (North Parcel). The same residential uses are approximately 990 feet (300 meters) from the South Parcel. As the South Parcel is located farther away from sensitive receptors, LST look-up thresholds would be less stringent in comparison to those for the North Parcel. Therefore, an LST based on a 70-meter receptor distance was used as a conservative assumption. Consistent with SCAQMD guidance, a 70-meter (230-foot) receptor distance was used to evaluate impacts at these receptors.[37] As presented in Table 2, construction-related daily maximum localized emissions would not exceed the SCAQMD daily significance thresholds for NO_X, CO, PM_{10}, or $PM_{2.5}$. Therefore, localized construction emissions resulting from the Project would result in less than significant impacts, and no mitigation measures are required.

The conclusions of the Program EIR indicated less than significant localized construction air quality impacts with mitigation. As shown in Table 1 and Table 2 on pages 17

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[36] *SCAQMD, LST Methodology Appendix C—Mass Rate LST Look-Up Table, October 2009.*

[37] *SCAQMD LST thresholds are given at 25, 50, 100, 200 and 500-meter increments.*

and 18, Project construction emissions would not exceed the SCAQMD's significance thresholds for criteria pollutants. As discussed above, while the Project would not require mitigation with regards to localized construction emissions, the Project would implement use of EPA Tier 4 emissions compliant equipment and would also comply with SCAQMD Rules 403 and 113. Accordingly, the Project would not create any new significant air quality impacts nor result in a substantial increase in a previously identified significant impact. Such impacts would be within the envelope of impacts set forth in the Program EIR. **Therefore, localized construction emissions resulting from the Project would result in a less than significant impact. In addition, no new or greater significant impacts are anticipated under the Project compared to the Program EIR.**

Operation

SCAQMD has established separate significance thresholds to evaluate potential impacts due to the incremental increase in criteria air pollutants associated with long-term operations. Regional operational emissions for the Project were calculated using CalEEMod. Inputs into the CalEEMod model include Project-related vehicle trips, as well as land uses and square footage to determine energy, water usage, and waste generation. Mobile-source emissions were calculated within CalEEMod based on data from the trip generation and VMT analysis included in the Transportation Assessment. The VMT analysis is based on the LADOT VMT Calculator methodology and contains trip generation and daily VMT for the Project. In addition, the proposed land uses would result in an increase in emissions generated by energy sources (e.g., natural gas combustion) and area sources (e.g., landscape fuel combustion, consumer products, and architectural coatings).

Regional Impacts

The results of the modeled emissions calculations are provided in Table 3 on page 19, and CalEEMod model output files are provided in Appendix AQ-3. As indicated therein, the Project would result in an increase in criteria pollutant (VOC, NO_X, CO, SO_X, PM_{10}, and $PM_{2.5}$.) emissions which would fall below the SCAQMD daily significance thresholds for long-term regional emissions. Therefore, impacts associated with regional operational emissions would be less than significant, and no mitigation measures are required. **Therefore, regional operational emissions resulting from the Project would result in a less-than-significant air quality impact. In addition, no new or greater significant impacts are anticipated under the Project compared to the Program EIR.**

Localized Impacts

The operation of the Project would not introduce any major new sources of air pollution within the Project Site. Localized emissions estimates for criteria air pollutants from on-site sources are presented in Table 4 on page 20. The SCAQMD LST mass rate look-up tables,

which apply to projects that have active areas that are less than or equal to 5 acres in size, were used to evaluate potential localized impacts. As shown in Table 4, on-site localized operational emissions would not exceed any of the LSTs for NO_X, CO, PM_{10}, or $PM_{2.5}$. **Therefore, localized on-site operational emissions resulting from the Project would result in a less-than-significant air quality impact. In addition, no new or greater significant impacts are anticipated under the Project compared to the Program EIR.**

Under existing conditions, CO levels in the Project area are substantially below the federal and state standards.[38] No exceedances of CO have been recorded at monitoring stations in the Basin for some time, and the Basin is currently designated as a CO attainment area for both the California Ambient Air Quality Standards (CAAQS) and National Ambient Air Quality Standards (NAAQS). Air quality data from the SCAQMD Central LA monitoring station between years 2021-2023 indicate that the maximum CO levels in recent years are 2.0 ppm (1-hour average) and 1.6 ppm (8-hour average) compared to the thresholds of 20 ppm (1-hour average) and 9.0 ppm (8-hour average).[39]

Localized areas where ambient concentrations exceed state and/or federal standards are termed CO hotspots. Emissions of CO are produced in greatest quantities from motor vehicle combustion and are usually concentrated at or near ground level because they do not readily disperse into the atmosphere, particularly under cool, stable (i.e., low or no wind) atmospheric conditions. The potential for the Project to cause or contribute to CO hotspots was evaluated by comparing Project-impacted intersections (both intersection geometry and traffic volumes) with prior studies conducted by SCAQMD in support of their AQMP. As discussed below, this comparison provides evidence that the Project would not cause or contribute to the formation of CO hotspots, that CO concentrations at Project-impacted intersections would remain well below the ambient air quality standards, and that no further CO analysis is warranted or required.

SCAQMD conducted CO modeling for the 2003 AQMP for the four worst-case intersections in the Basin. These included: (a) Wilshire Boulevard and Veteran Avenue; (b) Sunset Boulevard and Highland Avenue; (c) La Cienega Boulevard and Century Boulevard; (d) Long Beach Boulevard and Imperial Highway. In the 2003 AQMP, SCAQMD noted that the intersection of Wilshire Boulevard and Veteran Avenue was the most congested intersection in Los Angeles County with an average daily traffic volume of about

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[38] *SCAQMD, Historical Data by Year, www.aqmd.gov/home/air-quality/historical-air-quality-data/historical-data-by-year, accessed January 21, 2025.*

[39] *SCAQMD, Historical Data by Year, www.aqmd.gov/home/air-quality/historical-air-quality-data/historical-data-by-year, accessed January 21, 2025.*

100,000 vehicles per day.[40] Table 4-10 in Appendix V of the 2003 AQMP shows that the peak modeled CO concentration due to vehicle emissions at these four intersections was 4.6 ppm (1-hour average) and 3.2 ppm (8-hour average) at Wilshire Boulevard and Veteran Avenue.[41] The 2003 AQMP estimated that the 1-hour concentration for this intersection was 4.6 ppm, which indicates that the most stringent 1-hour CO standard (20.0 ppm) would likely not be exceeded until the daily traffic at the intersection exceeded more than 400,000 vehicles per day.[42] The AQMP CO hotspots modeling also took into account worst-case meteorological conditions and background CO concentrations. Metro evaluated the level of service (LOS) in the vicinity of the Wilshire Boulevard and Veteran Avenue intersection and found it to be LOS E at peak morning traffic and LOS F at peak afternoon traffic.[43] As an initial screening step, if a project intersection does not exceed 400,000 vehicles per day, then the project does not need to prepare a detailed CO hot spot analysis.

At buildout of the Project, the Project is projected to have a net increase of 4,648 daily trips as calculated by the City's VMT Calculator, included in Appendix AQ-3.[44] The 7th Street and Alameda Street intersection has the highest trip volumes within the Project vicinity.[45] Calculations provided in Appendix AQ-3 demonstrate that the 7th Street and Alameda Street intersection would result in approximately 119,000 vehicles per day with buildout of the Project, which is less than the 400,000 vehicles per day screening level described above. The addition of these trips to any of the nearest study intersections would not result in an average daily traffic volume anywhere near the volumes analyzed in the 2003 AQMP. Therefore, the Project would not trigger the need for CO hotspots modeling and would not cause any new or exacerbate any existing CO hotspots. As a result, impacts related to localized mobile-source CO emissions are considered less than significant. **The Project would not involve any new significant localized air quality impacts or increase the less than significant impacts identified in the Program EIR.**

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[40] *SCAQMD, 2003 Air Quality Management Plan, Appendix V: Modeling and Attainment Demonstrations, (2003) V-4-24.*

[41] *The 8-hour average is based on a 0.7 persistence factor, as recommended by SCAQMD.*

[42] *Based on the ratio of the CO standard (20.0 ppm) and the modeled value (4.6 ppm).*

[43] *Metropolitan Transportation Authority. 2004. Congestion Management Program for Los Angeles County. Exhibit 2-6 and Appendix A.*

[44] *The Transportation Assessment did not include TDM measures to provide a conservative analysis. For analysis of air quality, GHG, energy and noise impacts, VMT was calculated to incorporate proposed TDM measures as to not over estimate impacts for these analyses.*

[45] *Gibson Transportation Consultants, Inc., Transportation Assessment for The Row DTLA Residential Prcject, Los Angeles, California, December 2024.*

Concurrent Construction and Operational Emissions

Buildings A and B will be completed in 2029 and occupied, while Building C would be under construction from 2030 to 2032. Therefore, concurrent construction of the North Parcel and operational impacts of the South Parcel in 2030 were evaluated. This development scenario results in the maximum amount of operational activity in terms of square footage developed on the Development Area for Buildings A and B and resultant daily vehicle trips (2,747 daily trips). This development scenario also conservatively assumes maximum daily activity (i.e., peak grading/excavation on-site heavy-duty construction equipment usage and 240 haul truck trips) occurring during construction of the remaining portion of the Project Site. Further, the concurrent construction and operation scenario is analyzed against the more stringent operational emissions thresholds for a more conservative analysis. Additional details regarding concurrent construction and operational land uses are provided in Appendix AQ-3.

As summarized in Table 5 on page 28, concurrent construction and operational regional emissions would not exceed the SCAQMD regional operation thresholds. Localized emissions were also calculated during a concurrent construction and operational scenario, and as shown in Table 5, localized emissions would not exceed the SCAQMD localized construction thresholds.

Table 5
Estimate of Maximum Regional Project Daily Concurrent (Year 2031) Operation and Construction Emissions—Unmitigated (pounds per day)[a,b]

Emission Source	VOC	NO_X	CO	SO_X	PM_{10}	$PM_{2.5}$
Regional Winter Emissions						
Regional Operational Emissions	20	8	53	<1	13	3
Regional Construction Emissions	13	38	68	<1	15	4
Total Proposed Project Regional Overlap	**34**	**46**	**121**	**<1**	**28**	**7**
SCAQMD Operational Thresholds	55	55	550	150	150	55
Exceed Threshold?	No	No	No	No	No	No
Regional Summer Emissions						
Regional Operational Emissions	26	8	104	<1	13	3
Regional Construction Emissions	13	37	71	<1	15	4
Total Proposed Project Regional Overlap	**39**	**44**	**174**	**<1**	**28**	**7**
SCAQMD Operational Thresholds	55	55	550	150	150	55
Exceed Threshold?	No	No	No	No	No	No
Localized Winter Emissions						
Localized Operational Emissions	N/A	3	3	N/A	<1	<1
Localized Construction Emissions	N/A	12	43	N/A	4	<1
Total Proposed Project Localized Overlap	**N/A**	**15**	**45**	**N/A**	**4**	**1**
SCAQMD Localized Significance Thresholds[c]	N/A	118	2,534	N/A	12	4
Exceed Threshold?	N/A	No	No	N/A	No	No
Localized Summer Emissions						
Localized Operational Emissions	N/A	3	49	N/A	<1	<1
Localized Construction Emissions	N/A	12	43	N/A	4	<1
Total Proposed Project Localized Overlap	**N/A**	**15**	**92**	**N/A**	**4**	**1**
SCAQMD Localized Significance Thresholds[c]	N/A	118	2,534	N/A	12	4
Exceed Threshold?	N/A	No	No	N/A	No	No

Numbers may not add up exactly due to rounding.

[a] *Compiled using the CalEEMod emissions model. Worksheets and CalEEMod modeling outputs are also provided in Appendix AQ-3.*

[b] *Unmitigated emissions assumes compliance with SCAQMD Rule 403, which is a requirement for construction prcjects within the South Coast Air Basin. While the measure is not considered mitigation, CalEEMod includes the measure under mitigation measures and, therefore, is reflected in the "mitigated" results within the CalEEMod output file.*

[c] *Potential localized construction impacts were evaluated using SCAQMD's LSTs for Source Receptor Area 1 for a 4.85-acre site to represent the entire Prcject Site. The closest sensitive receptor is comprised of residential uses north of the Prcject Site. The localized threshold is based on a 70-meter receptor distance which is the closest receptor distance on the SCAQMD mass rate LST look-up table.*

Source: Eyestone Environmental, 2025.

c. Would the project expose sensitive receptors to substantial pollutant concentrations?

Less Than Significant Impact. Certain population groups are especially sensitive to air pollution and should be given special consideration when evaluating potential air quality impacts. These population groups include children, the elderly, persons with pre-existing respiratory or cardiovascular illness, and athletes or others who engage in frequent exercise. As defined in the SCAQMD CEQA Air Quality Handbook, a sensitive receptor to air quality is defined as any of the following land use categories: (1) long-term health care facilities; (2) rehabilitation centers; (3) convalescent centers; (4) retirement homes; (5) residences; (6) schools (i.e., elementary, middle school, high schools); (7) parks and playgrounds; (8) childcare centers; and (9) athletic fields. As previously described, the nearest sensitive receptor with respect to air quality are residential uses located approximately 230 feet (70 meters) north of the Project Site.

As discussed above, construction and operation of the Project would result in less than significant impacts relative to both regional and localized air pollution emissions. Therefore, the Project would not expose sensitive receptors to substantial pollutant concentrations. In addition, Project construction activities would comply with SCAQMD Rule 403 regarding the control of fugitive dust and other specified dust control measures. As such, impacts to off-site sensitive receptors would be less than significant, and no mitigation measures are required.

When considering potential air quality impacts under CEQA, consideration is given to the location of sensitive receptors within proximity of land uses that emit TACs. CARB has published and adopted the Air Quality and Land Use Handbook: A Community Health Perspective (2005), which provides recommendations regarding the siting of new sensitive land uses near potential sources of toxic air emissions (e.g., freeways, distribution centers, rail yards, ports, refineries, chrome plating facilities, dry cleaners, and gasoline dispensing facilities). SCAQMD adopted similar recommendations in its Guidance Document for Addressing Air Quality Issues in General Plans and Local Planning (2005). Together the CARB and SCAQMD guidelines recommend siting distances for both the development of sensitive land uses in proximity to TAC sources and the addition of new TAC sources in proximity to existing sensitive land uses.

The greatest potential for TAC emissions would generally involve diesel particulate emissions associated with heavy equipment operations during grading and excavation activities. According to SCAQMD methodology, health effects from carcinogenic air toxins are usually described in terms of individual cancer risk. "Individual Cancer Risk" is the likelihood that a person exposed to concentrations of TACs over a 70-year lifetime will contract cancer, based on the use of standard risk-assessment methodology. Construction

activities are temporary and short-term events; thus, construction activities would not result in a long-term substantial source of TAC emissions. The Project would also use EPA Tier 4 construction equipment which would reduce DPM emissions by at least 90 percent in comparison to Tier 2 equipment. With use of Tier 4 equipment, the Project would not be required to perform an HRA for construction emissions.

Additionally, SCAQMD's CEQA Air Quality Handbook and SCAQMD's supplemental online guidance/information do not require an HRA for short-term construction emissions. It is, therefore, not required or meaningful to evaluate long-term cancer impacts from construction activities which occur over relatively short durations. As such, given the short-term nature of these activities, TAC emission impacts during construction would be less than significant. In addition, no new or greater significant impacts are anticipated under the Project compared to the Program EIR.

With regard to Operational TAC emissions, the Project would not include sources of TACs such as boilers or any other non-emergency combustion sources. As the Project would not contain substantial TAC sources and is consistent with the CARB and SCAQMD guidelines, the Project would not result in the exposure of off-site sensitive receptors to carcinogenic or toxic air contaminants that exceed the maximum incremental cancer risk of 10 in one million or an acute or chronic hazard index of 1.0, and potential TAC impacts would be less than significant.

The SCAQMD recommends HRAs for substantial sources of diesel particulate matter such as operation of warehouse distribution and cold storage facilities. The Project does not propose any such uses, as such, an HRA was not required for the Project. Although, a cold storage facility and warehouse distribution facility are located within 1,000 feet of the Project site, the Project would comply with CalGreen building standards which requires installation of MERV 13 filtration for residential uses. **As such, Project-related TAC impacts during construction and operations would be less than significant. In addition, no new or greater significant impacts are anticipated under the Project compared to the Program EIR.**

Based on the above, the Project would not expose sensitive receptors to substantial pollutant concentrations, and impacts would be less than significant.

d. Would the project result in other emissions (such as those leading to odors) adversely affecting a substantial number of people?

Less Than Significant Impact. No objectionable odors are anticipated because of either construction or operation of the Project. Specifically, construction of the Project would involve the use of conventional building materials typical of construction projects of similar

type and size. Any odors that may be generated during construction would be localized and temporary in nature and would not be sufficient to affect a substantial number of people. With respect to Project operation, according to the SCAQMD CEQA Air Quality Handbook, land uses associated with odor complaints typically include agricultural uses, wastewater treatment plants, food processing plants, chemical plants, composting, refineries, landfills, dairies, and fiberglass molding. The Project would not involve these types of uses as it would include residential, retail, and restaurant uses. On-site trash receptacles would be contained, located, and maintained in a manner that promotes odor control, and would not result in substantially adverse odor impacts.

Construction and operation of the Project would also comply with SCAQMD Rules 401, 402, and 403, regarding visible emissions violations. SCAQMD Rule 402 provides that a person shall not discharge from any source whatsoever such quantities of air contaminants or other material which cause injury, detriment, nuisance, or annoyance to any considerable number of persons or to the public, or which endanger the comfort, repose, health or safety of any such persons or the public, or which cause, or have a natural tendency to cause, injury or damage to business or property. **Therefore, the potential odor impact during construction and operation of the Project would be less than significant, and no further analysis is required.**

Based on the above, construction and operation of the Project would not result in other emissions, such as those leading to odors, adversely affecting a substantial number of people, and impacts would be less than significant.

Cumulative Impacts

Less Than Significant Impact. According to SCAQMD, individual projects that exceed SCAQMD's recommended daily thresholds for project-specific impacts would cause a cumulatively considerable increase in emissions for those pollutants for which the Air Basin is in non-attainment. As discussed above, the Project's construction-related and operational air quality emissions would be less than significant. The Project would also implement required mitigation measures identified in the Program EIR, construction-related daily emissions at the Project Site would not exceed any of SCAQMD's regional or localized significance thresholds. Thus, the Project's contribution to cumulative construction-related regional and localized emissions would not be cumulatively considerable and, therefore, would be less than significant. While the Program EIR resulted in a significant and unavoidable cumulative impact, the Project would not create any new significant impacts related to cumulative construction emissions or result in a substantial increase in a previously identified significant impact. Such impacts would be within the envelope of impacts set forth in the Program EIR.

Similar to the Project, the greatest potential for TAC emissions at each related project would generally involve diesel particulate emissions associated with heavy equipment operations during grading and excavation activities. Construction activities are temporary and short-term events; thus, construction activities at each related project would not result in a long-term substantial source of TAC emissions. Additionally, SCAQMD's CEQA Air Quality Handbook and SCAQMD's supplemental online guidance/information do not require an HRA for short-term construction emissions. It is, therefore, not required or meaningful to evaluate long-term cancer impacts from construction activities which occur over relatively short durations. As such, given the short-term nature of these activities, cumulative TAC emission impacts during construction would be less than significant.

With respect to TAC emissions during operations, neither the Project nor any of the 24 related projects (which are largely residential, retail/commercial, and institutional) would represent a substantial source of TAC emissions, which are typically associated with large-scale industrial, manufacturing, and transportation hub facilities.[46] However, the Project and related projects would be subject to SCAQMD permitting and best available control technology (BACT) requirements to limit pollutant emissions. The Project and related projects would not generate substantial amounts of TACs and be consistent with the recommended screening level siting distances for TAC sources, as set forth in CARB's Land Use Guidelines. Therefore, the Project and related projects would not result in a cumulative impact requiring further evaluation. The related projects could generate minimal TAC emissions related to the use of consumer products and landscape maintenance activities, among other things. Pursuant to AB 1807, which directs CARB to identify substances as TACs and adopt airborne toxic control measures to control such substances, SCAQMD has adopted numerous rules (primarily in Regulation XIV) that specifically address TAC emissions. These SCAQMD rules have resulted in and will continue to result in substantial Basin-wide TAC emissions reductions. As such, cumulative TAC emissions during long-term operations would be less than significant. In addition, as discussed above, the Project would not result in any substantial sources of TACs that have been identified by the CARB's Land Use Guidelines and thus, the Project's contribution to cumulative TAC emissions could not be cumulatively considerable.

In conclusion, during construction and operation, the Project's regional, localized, and TAC emissions would not be cumulatively considerable, and cumulative impacts would be less than significant with mitigation.

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[46] *Gibson Transportation Consulting, Inc., Transportation Assessment for the Alameda Square Project, Los Angeles, California, December 2024, Table 3.*

(1) Adopted Mitigation Measures Applicable to the Project

Based on the analyses herein, the Project would not result in any significant impacts with regards to air quality emissions and additional mitigation measures are not required. In addition, the Project would not result in significant operational air quality impacts based on the analysis herein The Project would implement the following portions of the air quality mitigation measures included in the Program EIR:

Mitigation Measure 4.2-2(a) Construction Emissions Reductions: For discretionary projects, prior to issuance of a permit to construct and at the expense of the project applicant, the City shall retain a qualified air quality analyst to prepare an Air Quality Impact Analysis to analyze construction emissions for any discretionary project that would include either: demolition of more 13,500 square feet of building area; greater than 5,000 cubic yards of soil cut/fill; greater than 5-acres of graded area; or use of more than ten pieces of heavy-duty construction equipment and 150 truck trips on any given day during demolition, site clearing, or grading. The air quality analysis shall demonstrate that project emissions are less than applicable SCAQMD regional and LST thresholds.

The analysis provided herein in accordance with this mitigation measure demonstrates construction related impacts associated with the Project would be less than significant. In addition, as discussed above, the Applicant has committed to use of Tier IV emissions and will implement the following mitigation measure:

- Off-road diesel-powered construction equipment greater than 50 horsepower shall be certified for either the Tier **4** Final emission standards for CARB In-Use Off-Road Diesel-Fueled Fleets Regulations or the USEPA Tier 4 emission standards, where available..

Mitigation Measure 4.2-2(b) Operations Emissions Reduction: For discretionary projects, prior to issuance of a permit to construct and at the expense of the project applicant, the City shall retain a qualified air quality analyst to prepare an Air Quality Impact Analysis to analyze operational emissions for any discretionary project that would include more than 462 single-family residential units, 612 multi-family residential units, or any equivalent combination thereof.

The air quality analysis provided herein in accordance with this mitigation measure demonstrates that operational air quality impacts associated with the Project would be less than significant and no additional mitigation measures are required.

The Row DTLA Residential

Technical Appendix for Air Quality Emissions

- Appendix AQ-1: Regulatory Framework
- Appendix AQ-2: Air Quality Methodology
- Appendix AQ-3: Air Quality Worksheets
    - Summary of Air Pollutant Emissions
    - Localized Significance Threshold (LST) Calculation Worksheets
    - Summary of Construction Assumptions
    - CO Hotspot Analysis
    - VMT Calculator Output
- CalEEMod Outputs
    - Project Construction South Lot Building A
    - Project Construction South Lot Building B
    - Project Construction North Lot
    - Project Construction Onsite South Lot Building A
    - Project Construction Onsite South Lot Building B
    - Project Construction Onsite North Lot
    - Project Operations South Lot
    - Project Operation Full Buildout
- CalEEMod Outputs (Unmitigated – Without Tier 4)
    - Project Construction South Lot Building A
    - Project Construction South Lot Building B
    - Project Construction North Lot
    - Project Construction Onsite South Lot Building A
    - Project Construction Onsite South Lot Building B
    - Project Construction Onsite North Lot

The Row DTLA Residential

Appendix AQ-1: Regulatory Framework

- Appendix AQ-1: Regulatory Framework

Air Quality Regulatory Framework

There are several plans, regulations, and programs that include policies, requirements, and guidelines regarding air quality at the federal, state, regional, and local levels. As described below, these plans, guidelines, and laws include the following:

- Federal Clean Air Act
    - National Ambient Air Quality Standards
- California Clean Air Act
    - California Ambient Air Quality Standards
- California Code of Regulations
- State Programs for Toxic Air Contaminants
- State Diesel Risk Reduction Program
- South Coast Air Quality Management District
    - Air Quality Management Plan
    - Air Quality Guidance Documents
    - Rules and Regulations
- Southern California Association of Governments Regional Transportation Plan/ Sustainable Communities Strategy
- City of Los Angeles Air Quality Element
- City of Los Angeles Plan for a Healthy Los Angeles
- City of Los Angeles Municipal Code

(1) Federal

(a) Federal Clean Air Act

The federal Clean Air Act (CAA) was enacted in 1970 and has been amended numerous times in subsequent years, with the latest amendments occurring in 1990.[1] The CAA is the comprehensive federal law that regulates air emissions in order to protect

[1] 42 United States Code §7401 et seq., 1970.

public health and welfare.[2] The USEPA is responsible for the implementation and enforcement of the CAA, which establishes the NAAQS, specifies future dates for achieving compliance, and requires the USEPA to designate areas as attainment, nonattainment, or maintenance. The CAA also mandates that each state submit and implement a State Implementation Plan (SIP) for each criteria pollutant for which the state has not achieved the applicable NAAQS. The SIP includes pollution control measures that demonstrate how the standards for those pollutants will be met. The sections of the CAA most applicable to land use development projects include Title I (Nonattainment Provisions) and Title II (Mobile Source Provisions).[3]

Title I requirements are implemented for the purpose of attaining NAAQS for criteria air pollutants. Table 1 on page 3 shows the NAAQS currently in effect for each criteria pollutant and their corresponding attainment status. The Air Basin fails to meet national standards for O_3 and $PM_{2.5}$ and, therefore, is considered a federal "non-attainment" area for these pollutants. In addition, Los Angeles County fails to meet the national standard for Pb and, therefore, is considered a federal non-attainment area for Pb.

Title II pertains to mobile sources, which includes on-road vehicles (e.g., cars, buses, motorcycles) and non-road vehicles (e.g., aircraft, trains, construction equipment). Reformulated gasoline and automobile pollution control devices are examples of the mechanisms the USEPA uses to regulate mobile air emission sources. The provisions of Title II have resulted in tailpipe emission standards for vehicles, which have been strengthened in recent years to improve air quality. For example, the standards for NO_X emissions have been lowered substantially, and the specification requirements for cleaner burning gasoline are more stringent.

The NAAQS and the CAAQS for the California criteria air pollutants (discussed below) have been set at levels considered safe to protect public health, including the health of sensitive populations and to protect public welfare.

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[2] USEPA, Summary of the Clean Air Act, www.epa.gov/laws-regulations/summary-clean-air-act, accessed January 16, 2025.

[3] USEPA, Clean Air Act Overview, Clean Air Act Table of Contents by Title, Last Updated January 3, 2017. www.epa.gov/clean-air-act-overview/clean-air-act-text, accessed January 16, 2025. As shown therein, Title I addresses nonattainment areas and Title II addresses mobile sources.

Table 1
Ambient Air Quality Standards

Pollutant	Averaging Period	Federal Standard[a,b]	California Standard[a,b]	South Coast Air Basin Attainment Status[c]	
				Federal Standard[d]	California Standard[d]
Ozone (O_3)	1 hour	—	0.09 ppm (180 µg/m^3)	—	Non-Attainment
	8 hour	0.070 ppm (137 µg/m^3)	0.07 ppm (137 µg/m^3)	Non-Attainment (Extreme)	Non-Attainment
Respirable Particulate Matter (PM_{10})	24 hour	150 µg/m^3	50 µg/m^3	Attainment	Non-Attainment
	Annual	—	20 µg/m^3		
Fine Particulate Matter ($PM_{2.5}$)	24 hour	35 µg/m^3	—	Non-Attainment (Serious)	Non-Attainment
	Annual	12 µg/m^3	12 µg/m^3		
Carbon MoNOxide (CO)	1 hour	35 ppm (40 mg/m^3)	20 ppm (23 mg/m^3)	Attainment	Attainment
	8 hour	9 ppm (10 mg/m^3)	9.0 ppm (10 mg/m^3)		
Nitrogen Dioxide (NO_2)	1 hour	0.10 ppm (188 µg/m^3)	0.18 ppm (339 µg/m^3)	Unclassified/ Attainment	Attainment
	Annual	0.053 ppm (100 µg/m^3)	0.030 ppm (57 µg/m^3)		
Sulfur Dioxide (SO_2)	1 hour	0.075 ppm (196 µg/m^3)	0.25 ppm (655 µg/m^3)	Unclassified/ Attainment	Attainment
	24 hour	0.14 ppm (365 µg/m^3)	0.04 ppm (105 µg/m^3)		
	Annual	0.03 ppm (80 µg/m^3)	—		
Lead (Pb)	30-day average	—	1.5 µg/m^3	Partial Non-Attainment[e]	Attainment
	Rolling 3-month average	0.15 µg/m^3	—		
Sulfates	24 hour	—	25 µg/m^3	—	Attainment
Hydrogen Sulfide (H_2S)	1 hour	—	0.03 ppm (42 µg/m^3)	—	Unclassified

ppm = parts per million by volume
µg/m^3 = micrograms per cubic meter

[a] *An ambient air quality standard is a concentration level expressed in either ppm or µg/m^3 and averaged over a specific time period (e.g., 1 hour). The different averaging times and concentrations are meant to protect against different exposure effects. Some ambient air quality standards are expressed as a concentration that is not to be exceeded. Others are expressed as a concentration that is not to be equaled or exceeded.*

[b] *Ambient Air Quality Standards based on the 2022 AQMP.*

Pollutant	Averaging Period	Federal Standard[a,b]	California Standard[a,b]	South Coast Air Basin Attainment Status[c]	
				Federal Standard[d]	California Standard[d]

[c] *"Attainment" means that the regulatory agency has determined based on established criteria, that the Air Basin meets the identified standard. "Non-attainment" means that the regulatory agency has determined that the Air Basin does not meet the standard. "Unclassified" means there is insufficient data to designate an area, or designations have yet to be made.*

[d] *California and Federal standard attainment status based on SCAQMD's 2022 AQMP.*

[e] *An attainment re-designation request is pending.*

Source: Eyestone Environmental, 2025.

(2) State

(a) California Clean Air Act

The California Clean Air Act (CCAA), signed into law in 1988, requires all areas of the state to achieve and maintain the CAAQS by the earliest practicable date. CARB, a part of the California Environmental Protection Agency (CalEPA), is responsible for the coordination and administration of both state and federal air pollution control programs within California. In this capacity, CARB conducts research, sets the CAAQS, compiles emission inventories, develops suggested control measures, and provides oversight of local programs. CARB establishes emissions standards for motor vehicles sold in California, consumer products, and various types of commercial equipment. It also sets fuel specifications to further reduce vehicular emissions. Table 1 on page 3 includes the CAAQS currently in effect for each of the criteria pollutants, as well as other pollutants recognized by the State. As shown in Table 1, the CAAQS include more stringent standards than the NAAQS. The Air Basin fails to meet state standards for O_3, PM_{10}, and $PM_{2.5}$ and, therefore, is considered a state "non-attainment" area for these pollutants.

(b) California Code of Regulations

The California Code of Regulations (CCR) is the official compilation and publication of regulations adopted, amended or repealed by the state agencies pursuant to the Administrative Procedure Act. The CCR includes regulations that pertain to air quality emissions. Specifically, Section 2485 in Title 13 of the CCR states that the idling of all diesel-fueled commercial vehicles (weighing over 10,000 pounds) during construction shall be limited to 5 minutes at any location. In addition, Section 93115 in Title 17 of the CCR states that operation of any stationary, diesel-fueled, compression-ignition engines shall meet specified fuel and fuel additive requirements and emissions standards.

(c) State Programs for Toxic Air Contaminants

The California Air Toxics Program is an established two-step process of risk identification and risk management to address potential health effects from exposure to toxic substances in the air. In the risk identification step, CARB and OEHHA determine if a substance should be formally identified, or "listed," as a TAC in California. In the risk management step, CARB reviews emission sources of an identified TAC to determine whether regulatory action is needed to reduce risk. Based on results of that review, CARB has promulgated a number of Airborne Toxic Control Measures (ATCMs), both for stationary and mobile sources, including On-Road and Off-Road Vehicle Rules. These ATCMs include measures, such as limits on heavy-duty diesel motor vehicle idling and emission standards for off-road diesel construction equipment, in order to reduce public exposure to DPM and other TACs. These actions are also supplemented by the Assembly Bill (AB) 2588 Air Toxics "Hot Spots" program and Senate Bill (SB) 1731, which require facilities to report their air toxics emissions, assess health risks, notify nearby residents and workers of significant risks if present, and reduce their risk through implementation of a risk management plan. SCAQMD has further adopted two rules to limit cancer and non-cancer health risks from facilities located within its jurisdiction. Rule 1401 (New Source Review of Toxic Air Contaminants) regulates new or modified facilities, and Rule 1402 (Control of Toxic Air Contaminants from Existing Sources) regulates facilities that are already operating. Rule 1402 incorporates requirements of the AB 2588 program, including implementation of risk reduction plans for significant risk facilities.

(a) State Diesel Risk Reduction Program

CARB identified particulate emissions from diesel-fueled engines as TACs in August 1998. Following the identification process, CARB was required by law to determine if there is a need for further control, which moved us into the risk management phase of the program. CARB developed the *Risk Reduction Plan to Reduce Particulate Matter Emissions from Diesel-Fueled Engines and the Vehicles and the Risk Management Guidance for the Permitting of New Stationary Diesel-Fueled Engines*. The Diesel Advisory Committee approved these documents on September 28, 2000, paving the way for the next step in the regulatory process: the control measure phase. During the control measure phase, specific statewide regulations designed to further reduce DPM emissions from diesel-fueled engines and vehicles have and continue to be evaluated and developed. The goal of each regulation is to make diesel engines as clean as possible by establishing state-of-the-art technology requirements or emission standards to reduce DPM emissions.

(3) Regional

The SCAQMD is primarily responsible for planning, implementing, and enforcing air quality standards for the South Coast Air Basin. The Air Basin is a subregion within

the western portion of the SCAQMD jurisdiction as the SCAQMD also regulates portions of the Salton Sea Air Basin and Mojave Desert Air Basin within Riverside County.

(a) Air Quality Management Plan and Regional Transportation Plan/ Sustainable Communities Strategy

To meet the NAAQS and CAAQS, the SCAQMD has adopted a series of AQMPs, which serve as a regional blueprint to develop and implement an emission reduction strategy that will bring the area into attainment with the standards in a timely manner. The AQMPs are incorporated into the SIP. The 2022 AQMP includes strategies to ensure that rapidly approaching attainment deadlines for O_3 and $PM_{2.5}$ are met and that public health is protected to the maximum extent feasible. The most significant air quality challenge in the Air Basin is to reduce NO_X emissions[4] sufficiently to meet the O_3 standard deadlines as NO_X plays a critical role in the creation of O_3. Since NO_X emissions also lead to the formation of $PM_{2.5}$, the NO_X reductions needed to meet the O_3 standards will likewise lead to improvement of $PM_{2.5}$ levels and attainment of $PM_{2.5}$ standards.[5] The 2022 AQMP is focused on attaining the 2015 8-hour O_3 standard of 70 parts per billion. The 2022 AQMP builds upon measures already in place from previous AQMPs and includes a variety of additional strategies, such as regulation, accelerated development of available clean technologies, incentives and other CAA measures to achieve this standard.[6]

The SCAQMD's strategy to meet the NAAQS and CAAQS distributes the responsibility for emission reductions across federal, state, and local levels and industries. The 2022 AQMP is composed of stationary and mobile source emission reductions from traditional regulatory control measures, incentive-based programs, co-benefits from climate programs, mobile source strategies, and reductions from federal sources, which include aircraft, locomotives and ocean-going vessels. These strategies are to be implemented in partnership with CARB and USEPA.

The 2022 AQMP also incorporates the transportation strategy and transportation control measures from the SCAG 2020–2045 RTP/SCS Plan.[7] SCAG is the regional planning agency for Los Angeles, Orange, Ventura, Riverside, San Bernardino, and Imperial counties and addresses regional issues relating to transportation, the economy, community development and the environment. SCAG coordinates with various air quality

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4 NOX emissions are a precursor to the formation of both O3 and secondary PM2.5.

5 Estimates are based on the inventory and modeling results and are relative to the baseline emission levels for each attainment year (see Final 2022 AQMP for detailed discussion).

6 SCAQMD, Final 2022 AQMP, December 2022, p. ES-2.

7 SCAG, Final 2020–2045 Regional Transportation Plan/Sustainable Communities Strategy of the Southern California Association of Governments, adopted September 3, 2020.

and transportation stakeholders in Southern California to ensure compliance with the federal and state air quality requirements. Pursuant to California Health and Safety Code Section 40460, SCAG has the responsibility of preparing and approving the portions of the AQMP relating to the regional demographic projections and integrated regional land use, housing, employment, and transportation programs, measures, and strategies. SCAG is required by law to ensure that transportation activities "conform" to, and are supportive of, the goals of regional and state air quality plans to attain the NAAQS.

The RTP/SCS includes transportation programs, measures, and strategies generally designed to reduce vehicle miles traveled (VMT), which are contained in the AQMP. The SCAQMD combines its portion of the AQMP with those prepared by SCAG.[8] The RTP/SCS and Transportation Control Measures, included as Appendix IV-C of the 2022 AQMP, are based on the 2020–2045 RTP/SCS.

The 2022 AQMP forecasts the 2037 emissions inventories "with growth" based on SCAG's 2020–2045 RTP/SCS. The region is projected to see a 12-percent growth in population, a 17-percent growth in housing units, an 11-percent growth in employment, and a 5-percent growth in VMT between 2018 and 2037. Despite regional growth in the past, air quality has improved substantially over the years, primarily due to the effects of air quality control programs at the local, state, and federal levels.[9]

On April 4, 2024, SCAG adopted the 2024–2050 RTP/SCS. Similar to the 2020–2045 RTP/SCS, the 2024–2050 RTP/SCS is a long-term plan for the Southern California region that details investment in the transportation system and development in communities to meet the existing and future needs of the region through projects, investments, policies and strategies. While the 2024–2050 RTP/SCS remains focused on its core responsibilities and on the requirements of comprehensive regional transportation planning integrated with the development of a sustainable communities strategy, it also encompasses a holistic approach to programs and strategies that support success of the RTP/SCS, such as workforce development, broadband and mobility hubs. The primary goals of the 2024–2050 RTP/SCS include:

- Mobility: Build and maintain an integrated multimodal transportation network;
- Communities: Develop, connect and sustain livable and thriving communities;
- Environment: Create a healthy region for the people of today and tomorrow; and

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8 SCAQMD, Final 2022 AQMP, December 2022, p. ES-4.

9 SCAQMD, Final 2022 AQMP, December 2022, Figure 1-4.

- Economy: Support a sustainable, efficient and productive regional economic environment that provides opportunities for all people in the region.

While the 2024–2050 RTP/SCS has been adopted by SCAG, the 2024–2050 RTP/SCS has not yet been approved by CARB. In addition, as discussed above, SCAG's 2020–2045 RTP/SCS forecasted population, housing, employment growth data were used to characterize regional growth in the 2022 AQMP.

(b) SCAQMD Air Quality Guidance Documents

The SCAQMD published the *CEQA Air Quality Handbook* (approved by the SCAQMD's Governing Board in 1993) to provide local governments with guidance for analyzing and mitigating project-specific air quality impacts.[10] The *CEQA Air Quality Handbook* provides standards, methodologies, and procedures for conducting air quality analyses. However, the SCAQMD is currently in the process of replacing the *CEQA Air Quality Handbook* with the *Air Quality Analysis Guidance Handbook*. While this process is underway, the SCAQMD has provided supplemental guidance on the SCAQMD website to be used in conjunction with the Handbook.[11]

The SCAQMD has also adopted land use planning guidelines in its *Guidance Document for Addressing Air Quality Issues in General Plans and Local Planning*, which considers impacts to sensitive receptors from facilities that emit TAC emissions.[12] SCAQMD's siting distance recommendations are the same as those provided by CARB (e.g., a 500-foot siting distance for sensitive land uses proposed in proximity to freeways and high-traffic roads, and the same siting criteria for distribution centers and dry-cleaning facilities). The SCAQMD's document introduces land use-related policies that rely on design and distance parameters to minimize emissions and lower potential health risk. The SCAQMD's guidelines are voluntary initiatives recommended for consideration by local planning agencies.

The SCAQMD has published a guidance document called the Final Localized Significance Threshold Methodology for CEQA evaluations that is intended to provide guidance when evaluating the localized effects from mass emissions during construction or operation of a project.[13] The SCAQMD adopted additional guidance regarding $PM_{2.5}$ emissions in a document called *Final Methodology to Calculate Particulate Matter (PM)*

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[10] SCAQMD, CEQA Air Quality Handbook, April 1993.

[11] SCAQMD, Air Quality Analysis Handbook, www.aqmd.gov/home/rules-compliance/ceqa/air-quality-analysis-handbook#, accessed January 16, 2025.

[12] SCAQMD, Guidance Document for Addressing Air Quality Issues in General Plans and Local Planning, 2005.

[13] SCAQMD, Final Localized Significance Threshold Methodology, June 2003 (revised July 2008).

2.5 and PM2.5 Significance Thresholds.[14] The latter document has been incorporated by the SCAQMD into its CEQA significance thresholds and *Final Localized Significance Threshold Methodology*.

(c) SCAQMD Rules and Regulations

The SCAQMD has adopted several rules and regulations to regulate sources of air pollution in the Air Basin and to help achieve air quality standards for land use development projects, which include, but are not limited to, the following:

Regulation IV—Prohibitions: This regulation sets forth the restrictions for visible emissions, odor nuisance, fugitive dust, various air emissions, fuel contaminants, start-up/shutdown exemptions and breakdown events. The following is a list of rules that apply to the Project:

Rule 401—Visible Emissions: This rule states that a person shall not discharge into the atmosphere from any single source of emission whatsoever any air contaminant for a period or periods aggregating more than three minutes in any one hour, which is as dark or darker in shade as that designated No. 1 on the Ringelmann Chart or of such opacity as to obscure an observer's view.

Rule 402—Nuisance: This rule states that a person shall not discharge from any source whatsoever such quantities of air contaminants or other material, which cause injury, detriment, nuisance, or annoyance to any considerable number of persons or to the public, or which endanger the comfort, repose, health or safety of any such persons or the public, or which cause, or have a natural tendency to cause, injury or damage to business or property.

Rule 403—Fugitive Dust: This rule requires projects to prevent, reduce or mitigate fugitive dust emissions from a site. Rule 403 restricts visible fugitive dust to the project property line, restricts the net PM_{10} emissions to less than 50 micrograms per cubic meter ($\mu g/m^3$), and restricts the tracking out of bulk materials onto public roads. Additionally, projects must utilize one or more of the best available control measures (identified in the tables within the rule). Best available control measures may include adding freeboard to haul vehicles, covering loose material on haul vehicles, watering, using chemical stabilizers, and/or ceasing all activities. Finally, a contingency plan may be required if so determined by the USEPA.

Regulation XI—Source Specific Standards: Regulation XI sets emissions standards for specific sources. The following is a list of rules that may apply to the Project:

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[14] SCAQMD, Final Methodology to Calculate Particulate Matter (PM) 2.5 and PM 2.5 Significance Thresholds, 2006.

Rule 1113—Architectural Coatings: This rule requires manufacturers, distributors, and end users of architectural and industrial maintenance coatings to reduce VOC emissions from the use of these coatings, primarily by placing limits on the VOC content of various coating categories.

Rule 1138—Control of Emissions from Restaurant Operations: This rule specifies PM and VOC emissions and odor control requirements for commercial cooking operations that use chain-driven charbroilers to cook meat.

Rule 1146.2—Emissions of Oxides of Nitrogen from Large Water Heaters and Small Boilers and Process Heaters: This rule requires manufacturers, distributors, retailers, refurbishers, installers, and operators of new and existing units to reduce NO_X emissions from natural gas-fired water heaters, boilers, and process heaters as defined in this rule.

Rule 1186—PM_{10} Emissions from Paved and Unpaved Roads, and Livestock Operations: This rule applies to owners and operators of paved and unpaved roads and livestock operations. The rule is intended to reduce PM_{10} emissions by requiring the cleanup of material deposited onto paved roads, use of certified street sweeping equipment, and treatment of high-use unpaved roads (see also Rule 403).

Regulation XIII—New Source Review (NSR): Regulation XIII sets requirements for preconstruction review required under both federal and state statutes for new and modified sources located in areas that do not meet the CAA standards ("non-attainment" areas). NSR applies to both individual permits and entire facilities. Any permit that has a net increase in emissions is required to apply Best Available Control Technology (BACT). Facilities with a net increase in emissions are required to offset the emission increase by use of Emission Reduction Credits (ERCs). The regulation provides for the application, eligibility, registration, use and transfer of ERCs. For low emitting facilities, the SCAQMD maintains an internal bank that can be used to provide the required offsets. In addition, certain facilities are subject to provisions that require public notice and modeling analysis to determine the downwind impact prior to permit issuance.

Regulation XIV—Toxics and Other Non-Criteria Pollutants: Regulation XIV sets requirements for new permit units, relocations, or modifications to existing permit units, which emit TACs or other non-criteria pollutants. The following is a list of rules, which may apply to the Project:

Rule 1403—Asbestos Emissions from Demolition/Renovation Activities: This rule requires owners and operators of any demolition or renovation activity and the associated disturbance of asbestos-containing materials, any asbestos storage facility, or any active waste disposal site to implement work practice requirements to limit asbestos emissions from building demolition and

renovation activities, including the removal and associated disturbance of asbestos-containing materials.

Rule 1470—Requirements for Stationary Diesel-Fueled Internal Combustion and Other Compression Ignition Engines: This rule applies to stationary compression ignition (CI) engines greater than 50 brake horsepower and sets limits on emissions and operating hours. In general, new stationary emergency standby diesel-fueled engines greater than 50 brake horsepower are not permitted to operate more than 50 hours per year for maintenance and testing.

(4) Local

(a) City of Los Angeles General Plan

(i) Air Quality Element

Local jurisdictions, such as the City, have the authority and responsibility to reduce air pollution through their land use decision-making authority. Specifically, the City is responsible for the assessment and mitigation of air emissions resulting from its land use decisions. In general, the City of Los Angeles' General Plan (including the Framework, Air Quality, Transportation Element [Mobility Plan 2035], and the Health and Wellness Element [Plan for a Healthy Los Angeles]) and the City of Los Angeles' Green New Deal contain policies and programs for the protection of the environment and health through improved air quality. These serve to provide additional critical guidance for the betterment of public health for the region and the City.

The most directly relevant of those plans, the City's General Plan Air Quality Element, was adopted on November 24, 1992, and sets forth the goals, objectives, and policies that guide the City in its implementation of its air quality improvement programs and strategies. A number of these goals, objectives, and policies are relevant to land use development and relate to traffic mobility, minimizing particulate emissions from construction activities, discouraging single-occupant vehicle trips, managing traffic congestion during peak hours, and increasing energy efficiency in City facilities and private developments.

The Air Quality Element establishes six goals:

- Good air quality in an environment of continued population growth and healthy economic structure;
- Less reliance on single-occupant vehicles with fewer commute and non-work trips;

- Efficient management of transportation facilities and system infrastructure using cost-effective system management and innovative demand-management techniques;

- Minimal impacts of existing land use patterns and future land use development on air quality by addressing the relationship between land use, transportation, and air quality;

- Energy efficiency through land use and transportation planning, the use of renewable resources and less-polluting fuels, and the implementation of conservation measures, including passive measures, such as site orientation and tree planting; and

- Citizen awareness of the linkages between personal behavior and air pollution and participation in efforts to reduce air pollution.

The City is also responsible for the implementation of transportation control measures as outlined in the AQMP. Through capital improvement programs, the City can fund infrastructure that contributes to improved air quality by requiring such improvements as bus turnouts as appropriate, installation of energy-efficient streetlights, and synchronization of traffic signals. In accordance with CEQA requirements and the CEQA review process, the City assesses the air quality impacts of new development projects, requires mitigation of potentially significant air quality impacts by conditioning discretionary permits, and monitors and enforces implementation of such mitigation measures.

(ii) Plan for a Healthy Los Angeles

The City's Health and Wellness Element, the Plan for a Healthy Los Angeles was adopted by the City Council on March 31, 2015, and amended in November 2021, lays the foundation to create healthier communities for all residents in the City. As an element of the General Plan, it provides high-level policy vision, along with measurable objectives and implementation programs, to elevate health as a priority for the City's future growth and development. With a focus on public health and safety, the Plan for a Healthy Los Angeles provides a roadmap for addressing the most basic and essential quality-of-life issues: safe neighborhoods; a clean environment (i.e., improved ambient and indoor air quality); the opportunity to thrive; and access to health services, affordable housing, and healthy and sustainably produced food.

(b) City of Los Angeles Municipal Code

In December 2022, the City approved Ordinance No. 187,714, which amends Divisions 2, 4, and 5 of Article 9 of Chapter IX of the LAMC to require all new buildings to be all-electric buildings with exceptions. The ordinance is applicable to new buildings

in which an application for a building permit was submitted after June 1, 2023. Consistent with this new ordinance, Chapter IX of the LAMC, Section 99.02.202 defines an all-electric building as:

> *A building that contains no combustion equipment, plumbing for combustion equipment, gas piping, or fuel gas serving any use including, but not limited to, space heating (including fireplaces), water heating (including pools and spas), cooking appliances (including barbeques), and clothes drying, within the building or building property lines, and instead uses electricity as the sole source of energy for all lighting, appliances and/or equipment, including, but not limited to, space heating, water heating, cooking appliances, and drying appliances.*

Chapter IX of the LAMC, Section 99.04.106.8 provides exemptions from the requirements for cooking equipment contained within kitchens in a public use area, such as restaurants, commissaries, cafeterias, and community kitchens, as long as electrical infrastructure is installed. Gas-powered process equipment in institutions, such as hospitals, industrial, and laboratories, is also exempt.

The Row DTLA Residential

Appendix AQ-2: Air Quality Methodology

- Appendix AQ-2: Air Quality Methodology

AIR QUALITY EMISSIONS METHODLOGY

The Row DTLA Residential Project

Prepared by:

Eyestone Environmental, LLC

February 2025

The Row DTLA Residential Project
Air Quality Emissions Methodology

1. Introduction

Eyestone Environmental has been retained to conduct a comprehensive criteria air pollutant emissions assessment for the Row DTLA Residential Project (the "Project"). Emissions during both construction and operation of the Project were quantified. This assessment describes the methodology used to estimate air pollutant emissions from existing and Project conditions and describes the methodology used to quantify air pollutant emission reductions from project design features and mitigation measures.

2. Air Pollutant Emissions Methodology

The Project would result in direct emissions of criteria pollutants generated by different types of emissions sources, including:[1]

- Direct Emissions:

  Construction: emissions associated with demolition of existing uses, shoring, excavation, grading, and construction-related equipment and vehicular activity;

  Area source: emissions associated with consumer products, architectural coatings, and landscape equipment;

  Energy source (building operations): emissions associated with space heating and cooling, and water heating;

  Mobile source: emissions associated with vehicles accessing the project site; and

  Stationary source: emissions associated with stationary equipment (e.g., emergency generators).

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[1] *Direct sources of emissions include Prcject-related vehicular trips and onsite combustion of fossil fuels (e.g., natural gas, propane, gasoline, and diesel).*

a. Emission Inventories

Project-related construction and operation emissions were calculated using SCAQMD's recommended California Emissions Estimator Model (CalEEMod). CalEEMod is a statewide land use emissions computer model designed to provide a uniform platform for government agencies, land use planners, and environmental professionals to quantify potential criteria pollutant emissions associated with both construction and operations from a variety of land use projects. CalEEMod was developed in collaboration with the air districts of California. Data (e.g., emission factors, trip lengths, meteorology, source inventory, etc.) have been provided by the various California air districts to account for local requirements and conditions. The model is considered by the SCAQMD to be an accurate and comprehensive tool for quantifying criteria pollutant impacts from land use projects throughout California.[2]

CalEEMod utilizes widely accepted models for emission estimates combined with appropriate default data that can be used if site-specific information is not available. These models and default estimates use sources such as the USEPA AP-42 emission factors, CARB's on-road emission model (EMission FACtor model (EMFAC)) and off-road equipment emission model (Off-road Emissions Inventory Program model (OFFROAD)).

(1) Construction

Construction activities would generate emissions from off-road equipment usage, on-road vehicle travel (truck hauling, vendor deliveries, and workers commuting), architectural coating, and paving. Each of these source types is discussed in more detail below. The Project's construction emissions were calculated using the SCAQMD recommended CalEEMod (Version 2022.1). Please refer to CalEEMod construction output files for a complete listing of construction details modeled. CalEEMod default values were used for equipment and vehicle emission factors, equipment load factors and vehicle trip lengths. It should be noted that the maximum daily emissions were predicted values for the worst-case day and do not represent the emissions that would occur for every day of Project construction. The maximum daily emissions were compared to the SCAQMD daily regional numeric indicators.

(a) Emissions from Construction Equipment

The emission calculations associated with construction equipment are from off-road equipment engine use based on the equipment list and phase length. Since the majority of the off-road construction equipment used for construction projects are diesel fueled,

[2] *See www.caleemod.com.*

CalEEMod assumes all of the equipment operates on diesel fuel. Construction equipment emissions vary with engine model years in which newer equipment will emit fewer pollutants. As a conservative assumption, the CalEEMod model uses an emission rate for equipment which represents an average model year for available equipment within the Air Basin. CalEEMod calculates the exhaust emissions based on CARB OFFROAD methodology using the equation presented below.

Construction Off-Road Equipment:

$$\text{Emissions Diesel [lbs]} = (\sum_i (EF_i \times Pop_i \times AvgHP_i \times Load_i \times Activity_i$$

Where:
- EF_i = Emission factor from OFFROAD (lbs/hr)
- Pop_i = Population (quantity of same equipment)
- $AvgHP_i$ = Maximum rated average horsepower (hp)
- $Load_i$ = Load Factor (dimensionless)
- $Activity_i$ = Hours of operation (hours)
- i = Summation index

Fugitive dust emissions from use of off-road equipment were also calculated using CalEEMod based on the types of equipment used during grading activities and based on the amount of import/export from loading or unloading dirt into haul trucks. These methods have been adapted from USEPA's AP-42 method for Western Coal Mining. As recommended by SCAQMD, the fugitive dust emissions from the grading phase are calculated using the methodology described in USEPA AP-42. PM_{10} and $PM_{2.5}$ emissions from fugitive dust will be controlled by watering the construction site three times a day consistent with SCAQMD Rule 403 and were estimated to be reduced by 74 percent.

(b) Emissions from On-Road Trips

Construction generates on-road vehicle exhaust, evaporative, and dust emissions from personal vehicles for worker commuting, vendor deliveries, and trucks for soil and material hauling. These emissions are based on the number of trips and VMT along with emission factors from EMFAC. The emissions from mobile sources were calculated with the trip rates, trip lengths and emission factors for running from EMFAC as follows:

Construction On-Road Equipment:

Emissions pollutant (lbs) = VMT * EF running, pollutant

Where: VMT = vehicle miles traveled (miles)

EF running,pollutant = emission factor for running emissions (lbs/VMT)

Evaporative emissions, starting and idling emissions in CalEEMod were calculated by multiplying the number of trips times the respective emission factor for each pollutant.

(c) Emissions from Architectural Coating

VOC off-gassing emissions result from evaporation of solvents contained in surface coatings. CalEEMod calculates the VOC evaporative emissions from application of residential and non-residential surface coatings using the following equation:

Construction Architectural Coating Emissions:

Emissions Architectural Coatings (lbs) $=EF_{AC} \times F * A_{paint}$

Where: EF_{AC} = Emission Factor (lb/sf)

A_{paint} = Building Surface Area (sf)

The CalEEMod tool assumes the total surface for painting equals 2.7 times the floor square footage for residential and 2 times that for nonresidential square footage. All of the land use information provided by a metric other than square footage erewill be converted to square footage using the default conversions or user defined equivalence.

F = fraction of surface area [%].

The default values based on SCAQMD methods used in their coating rules are 75 percent for the interior surfaces and 25 percent for the exterior shell. Parking areas are based on 6-percent coverage.

The emission factor (EF) is based on the VOC content of the surface coatings and is calculated estimated using the equation below:

$EF_{AC} = C_{VOC}/454(g/lb) \times 3.785(L/gal)/180*sf)$

Where: EF = emission factor (lb/sf)

C = VOC content (g/L or gram per liter)

The emission factors for coating categories were calculated using the equation above based on default VOC content from provided by the air districts or CARB's statewide limits in CalEEMod. Architectural coating VOC emission factors are also consistent with SCAQMD Rule 1113 as discussed above.

(a) Emissions from Paving

CalEEMod estimates VOC off-gassing emissions associated with asphalt paving of parking lots using the following equation:

$Emissions_{AP}$ (lbs) = EF_{AP} x $A_{parking}$

Where: EF = emission factor (lb/acre)

A = area of the parking lot (acre)

Note: The Sacramento Metropolitan Air Quality Management District (SMAQMD) default emission factor is 2.62 lb/acre. This value is used as the default emission factor within CalEEMod

(2) Operation

Similar to construction, the SCAQMD-recommended CalEEMod was used to calculate potential emissions generated by the Project, including area source, energy sources (electricity and natural gas), mobile source, stationary sources (emergency generator), solid waste generation and disposal, water usage/wastewater generation, and refrigeration.

(3) Area Source Emissions

Area source emissions were calculated using the CalEEMod emissions inventory model, which includes consumer products, architectural coatings, and landscape maintenance equipment. Pollutant emissions generated by the Project were calculated using CalEEMod defaults, based upon the land uses that will be included in each project.

Consumer products are chemically formulated products used by household and institutional consumers, including, but not limited to, detergents; cleaning compounds; polishes; floor finishes; cosmetics; personal care products; home, lawn, and garden products; disinfectants; sanitizers; aerosol paints; and automotive specialty products; but

does not include other paint products, furniture coatings, or architectural coatings. SCAQMD did an evaluation of consumer product use compared to the total square footage of buildings using data from CARB consumer product Emission Inventory. To calculate the VOC emissions from consumer product use, the following equation was used in CalEEMod:

Emissions Consumer Products (lbs) = EF_{CP} x Building Area

Where:

EF_{CP} = pounds of VOC per building square foot

The factor is 1.98 x 10^{-5} lbs/sf for SCAQMD areas.

Building Area = the total square footage of all buildings including residential square footage

VOC off-gassing emissions result from evaporation of solvents contained in surface coatings such as in paints and primers. The operational emission methodology from architecture coating is the same as the construction methodology discussed above. All land use buildings are assumed to be repainted at a rate of 10 percent of area per year. This is based on the assumptions used by SCAQMD.

The combustion of fossil fuels to operate landscape equipment such as lawnmowers and trimmers, results in pollutant emissions. The emissions occur on-site and are considered a direct source of pollutant emissions. The emissions for landscaping equipment are based on the size of the land uses, the pollutant emission factors for fuel combustion. Pollutant emissions from landscaping equipment are generally calculated in CalEEMod as follows:

Landscaping Equipment:

Landscaping Equipment Emissions [lbs] = (Σ_i (Units × EF_{LE} × A_{LE})$_i$)

Where: Units = Number of land use units (same land use type) [1,000 sf]

EF_{LE} = Emission factor [grams (g)/1,000 sfday]

i = Summation index

Note: For residential land uses, emission factors are specified in units of dwelling units (DU) instead of 1,000 sf.

(4) Energy Emissions (Natural Gas)

Pollutant emissions are emitted as a result of activities in buildings when electricity and natural gas are used as energy sources. Combustion of any type of fuel emits pollutant emissions directly into the atmosphere; when this occurs in a building, it is a direct emission source associated with that building. Pollutant emissions are also emitted during the generation of electricity from fossil fuels. When electricity is used in a building, the electricity generation typically takes place off-site at the power plant; electricity use in a building generally causes emissions in an indirect manner.

Energy demand emissions were calculated using the CalEEMod emissions inventory model. Energy use in buildings is divided into energy consumed by the built environment and energy consumed by uses that are independent of the construction of the building such as in plug-in appliances. CalEEMod calculates energy use from systems covered by Title 24 Building Energy Efficiency Standards (e.g., heating, ventilation, and air conditioning [HVAC] system, water heating system, and lighting system); energy use from lighting; and energy use from office equipment, appliances, plug-ins, and other sources not covered by Title 24 or lighting.

CalEEMod energy demand is based on the California Energy Commission (CEC) sponsored California Commercial End Use Survey (CEUS) study.[3] The data is specific for Electricity Demand Forecast Zones (EDFZ) and, therefore, EDFZ 16 was selected for the Project Site based on the Project's address. CalEEMod includes 2019 Title 24 Energy Efficiency Standards when calculating project energy usage.

(a) Natural Gas

The direct source emissions associated with natural gas combustion are based on the size of the land uses and the natural gas combustion factors for the land uses in units of million British thermal units (MMBtu). Natural gas emissions are calculated in CalEEMod as follows:

[3] *2019 consumption estimates from the CEC's (2020, 2021) 2018–2030 Uncalibrated Commercial Sector Forecast (Commercial Forecast) and the RASS (refer to Table G-26) of Appendix G in CalEEMod User's Guide, 2022.*

Natural Gas:

Natural Gas Emissions (lbs) = (Σ_I (Units × D_{NG} × EF_{NG})$_I$)

Where: Units = Number of land use units (same land use type) [1,000 sf]

D_{NG} = Natural Gas combustion factor [MMBtu/1,000 sf]

EF_{NG} = Natural Gas combustion factor [pounds/MMBtu]

I = Summation index

Note: For residential land uses, emission factors are specified in units of dwelling units (DU) instead of 1,000 sf.

(b) City of Los Angeles All-Electric Ordinance

The Project would be required to comply with the City of LA's All-Electric ordinance which does not allow installation of natural gas-powered equipment (stoves, water heaters, space heating) for new construction with some exceptions. Restaurant uses would be exempt from this ordinance and be allowed to consume natural gas for cooking purposes. While this would decrease the natural gas usage for the Project, electricity usage would increase as a result.

The California Energy Commission (CEC) had conducted various energy surveys to develop energy consumption estimates for electric and natural gas end uses. Data from these surveys was used to calculate the equivalent electricity usage when switching from a natural gas end use, such as cooking, water heating and space heating.[4] As mentioned above, restaurant cooking uses are exempt from the All-Electric ordinance and were assumed to be powered by natural gas.

(5) Mobile Source Emissions

Mobile-source emissions were calculated using the CalEEMod emissions inventory model. CalEEMod calculates the emissions associated with on-road mobile sources associated with residents, employees, visitors, and delivery vehicles visiting the Project Site based on the number of daily trips generated and vehicle miles traveled (VMT). The Traffic Study prepared by Gibson had calculated Project VMT which was entered into CalEEMod in calculating Project mobile source emissions.

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[4] *CAPCOA Handbook, Table E-15.1 and Table E-15.2*

Modeling was also conducted using the Los Angeles County vehicle fleet mix for all vehicle types as provided in EMFAC2021.

Mobile source emissions were generally calculated in CalEEMod as follows:

Mobile:

Mobile Emissions [lbs] = (Σ_i (Units × ADT x D_{TRIP} × EF_i)

Where: Units = Number of vehicles (same vehicle model year and class)

ADT = Average daily trip rate [trips/day]

D_{TRIP} = Trip distance [miles/trip]

EF = Pollutant emission factor [pounds per mile]

i = Summation index

Note: For residential land uses, emission factors are specified in units of dwelling units (DU) instead of 1,000 sf.

Mobile source operational emissions were calculated based on the Project VMT estimates provided by the Gibson Transportation Consulting, Inc.[5] The Los Angeles Department of Transportation (LADOT) VMT Calculator was used.

Previously, trip generation for land uses was calculated based on survey data collected by the Institute of Transportation Engineers (ITE). However, these ITE trip generation rates were based on data collected at suburban, single-use, free standing sites, which may not be representative of urban mixed-use environments. Beginning in 2019, the USEPA has sponsored a study to collect travel survey data from mixed-use developments in order provide a more representative trip generation rate for multi-use sites. Results of the USEPA survey indicate that trip generation and VMT are affected by factors such as resident and job density, availability of transit, and accessibility of biking and walking paths. Based on these factors, the USEPA has developed equations known as the EPA Mixed-Use Development (MXD) model to calculate trip reductions for multi-use developments.[6] The LADOT VMT Calculator incorporates the USEPA MXD model and accounts for project

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[5] *Gibson Transportation Consulting, Inc., Transportation Assessment for the The ROW DTLA Residential Prcject, Los Angeles, California, December 2024.*

[6] *Environmental Protection Agency, Mixed-Use Trip Generation Model. www.epa.gov/smartgrowth/mixed-use-trip-generation-model. Accessed February 7, 2025.*

features such as increased density and proximity to transit, which would reduce VMT and associated fuel usage in comparison to free-standing sites.

The Project design includes characteristics that would reduce trips and VMT as compared to a standard project within the air basin as measured by the air quality model (CalEEMod). While these Project characteristics primarily reduce greenhouse gas emissions, they would also reduce criteria air pollutants discussed herein. These relative reductions in vehicle trips and VMT from a standard project within the air basin help quantify the criteria air pollutant emissions reductions achieved by locating the Project in any infill, HQTA area that promotes alternative modes of transportation.

(6) Stationary Source (Emergency Generator Emissions)

Emissions of GHGs associated with use of emergency generators were calculated using CalEEMod, in which emission factors are based on Table 3.4-1 (Gaseous Emission Factors for Large Stationary Diesel Engines) from EPA's AP-42: Compilation of Air Pollutant Emission Factors. The emissions are based on the horsepower rating of the diesel generator and the number of hours operated per year for testing purposes. Annual emergency generator GHG emissions in units of $MTCO_2e$ were calculated as follows:

Emergency Generator:

Emissions [lbs] = (Total HP x LF x HR × EF)

Where: Total HP = Total horsepower of emergency generators (Hp)
LF = Load Factor (CalEEMod default of 0.73)
HR = Hours Operated per Year
EF = AP-42 Emission Factor of 1.16 lb/hp-hr)

The Row DTLA Residential

Appendix AQ-3: Air Quality Worksheets

- Appendix AQ-3: Air Quality Worksheets and Modeling Output Files
  - Summary of Air Pollutant Emissions
  - Localized Significance Threshold (LST) Calculation Worksheet
  - Summary of Construction Assumptions
  - CO Hotspot Analysis
  - VMT Calculator Output
- CalEEMod Outputs
  - Project Construction South Lot Building A
  - Project Construction South Lot Building B
  - Project Construction North Lot
  - Project Construction Onsite South Lot Building A
  - Project Construction Onsite South Lot Building B
  - Project Construction Onsite North Lot
  - Project Operations South Lot
  - Project Operation Full Buildout
- CalEEMod Outputs (Unmitigated – Without Tier 4)
  - Project Construction South Lot Building A
  - Project Construction South Lot Building B
  - Project Construction North Lot
  - Project Construction Onsite South Lot Building A
  - Project Construction Onsite South Lot Building B
  - Project Construction Onsite North Lot

AQ SUMMARY OF EMISSIONS WINTER

Construction Emissions (Unmitigated)

Regional (Daily) Unmitigated	ROG	NO_x	CO	SO2	PM_{10}	$PM_{2.5}$
2026	1	16	41	<1	4	1
2027	3	29	82	<1	9	2
2028	12	31	102	<1	14	4
2029	14	9	38	<1	6	1
2030	2	38	68	<1	15	4
2031	1	14	37	<1	7	2
2032	13	5	25	<1	4	1
MAX	14	38	102	<1	15	4
Threshold	**75**	**100**	**550**	**150**	**150**	**55**
Difference	**(61)**	**(62)**	**(448)**	**(150)**	**(135)**	**(51)**
Impact	**No**	**No**	**No**	**No**	**No**	**No**

Localized (Daily) Unmitigated	ROG	NO_x	CO	SO2	PM_{10}	$PM_{2.5}$
2026		9	28		<1	<1
2027		18	54		1	<1
2028		18	55		<1	<1
2029		6	19		<1	<1
2030		12	43		4	<1
2031		7	22		2	<1
2032		3	14		<1	<1
MAX		18	55		4	<1
Threshold		82	1454		30	9
Difference		**(64)**	**(1,399)**		**(26)**	**(8)**
Impact		**No**	**No**		**No**	**No**

Operation Emissions (Without Project Design Features)

Existing Regional Emissions (Existing Year)	ROG	NO_x	CO	SO2	PM_{10}	$PM_{2.5}$
Area	<1	<1	<1	<1	<1	<1
Energy	<1	<1	<1	<1	<1	<1
Mobile	<1	<1	<1	<1	<1	<1
Emergency Generator	<1	<1	<1	<1	<1	<1
Total	<1	<1	<1	<1	<1	<1

Existing Regional Emissions (Buildout Year)	ROG	NO_x	CO	SO2	PM_{10}	$PM_{2.5}$
Area	<1	<1	<1	<1	<1	<1
Energy	<1	<1	<1	<1	<1	<1
Mobile	<1	<1	<1	<1	<1	<1
Emergency Generator	<1	<1	<1	<1	<1	<1
Total	<1	<1	<1	<1	<1	<1

Project Regional Emissions (Buildout Year)	ROG	NO_x	CO	SO2	PM_{10}	$PM_{2.5}$
Area	12	<1	<1	<1	<1	<1
Energy	<1	<1	<1	<1	<1	<1
Mobile	11	7	79	<1	22	6
Emergency Generator	1	4	4	<1	<1	<1
Total	25	12	83	<1	22	6

Incremental Regional Emissions (Project Less Existing)	ROG	NO_x	CO	SO2	PM_{10}	$PM_{2.5}$
Area	12	<1	<1	<1	<1	<1
Energy	<1	<1	<1	<1	<1	<1
Mobile	11	7	79	<1	22	6
Emergency Generator	1	4	4	<1	<1	<1
Total	25	12	83	<1	22	6
Threshold	**55**	**55**	**550**	**150**	**150**	**55**
Difference	**(30)**	**(43)**	**(467)**	**(150)**	**(128)**	**(49)**
Impact	No	No	No	No	No	No

Project Localized (Buildout Year)					
Onsite Total	4	4		<1	<1
Threshold	**82**	**1454**		**8**	**3**
Difference	**(78)**	**(1450)**		**(7)**	**(2.32)**
Impact	**No**	**No**		**No**	**No**

Concurrent Operations and Construction Emissions

Regional Emissions	ROG	NO_x	CO	SO2	PM_{10}	$PM_{2.5}$
Operational Emissions	20	8	53	<1	13	3
Construction Emissions	13	38	68	0	15	4
Total	34	46	121	0	28	7
Threshold	**55**	**55**	**550**	**150**	**150**	**55**
Difference	**(21)**	**(9)**	**(429)**	**(150)**	**(122)**	**(48)**
Impact	**No**	**No**	**No**	**No**	**No**	**No**

Local Emissions	ROG	NO_x	CO	SO2	PM_{10}	$PM_{2.5}$
Operational Emissions		3	3		0	0
Construction Emissions		12	43		4	<1
Total		15	45		4	1
Threshold		**118**	**2,534**		**12**	**4**
Difference		**(103)**	**(2,489)**		**(8)**	**(3)**
Impact		**No**	**No**		**No**	**No**

AQ SUMMARY OF EMISSIONS SUMMER

Construction Emissions (Unmitigated)

Regional (Daily) Unmitigated	ROG	NO_x	CO	SO2	PM_{10}	$PM_{2.5}$
2026	2	39	54	<1	21	4
2027	3	35	86	<1	22	4
2028	10	12	57	<1	9	2
2029	14	9	41	<1	6	1
2030	3	37	71	0	15	4
2031	1	13	39	0	7	2
2032	13	5	25	<1	4	1
MAX	14	39	86	<1	22	4
Threshold	**75**	**100**	**550**	**150**	**150**	**55**
Difference	**(61)**	**(61)**	**(464)**	**(150)**	**(128)**	**(51)**
Impact	**No**	**No**	**No**	**No**	**No**	**No**

Localized (Daily) Unmitigated	ROG	NO_x	CO	SO2	PM_{10}	$PM_{2.5}$
2026		12	37		13	1
2027		18	54		12	1
2028		6	20		<1	<1
2029		6	19		<1	<1
2030		12	43		4	<1
2031		7	22		2	<1
2032		3	14		<1	<1
MAX		18	54		13	1
Threshold		82	1454		30	9
Difference		**(64)**	**(1,400)**		**(17)**	**(7)**
Impact		**No**	**No**		**No**	**No**

Operation Emissions (Without Project Design Features)

Existing Regional Emissions (Existing Year)	ROG	NO_x	CO	SO2	PM_{10}	$PM_{2.5}$
Area	<1	<1	<1	<1	<1	<1
Energy	<1	<1	<1	<1	<1	<1
Mobile	<1	<1	<1	<1	<1	<1
Emergency Generator	<1	<1	<1	<1	<1	<1
Total	<1	<1	<1	<1	<1	<1

Existing Regional Emissions (Buildout Year)	ROG	NO_x	CO	SO2	PM_{10}	$PM_{2.5}$
Area	<1	<1	<1	<1	<1	<1
Energy	<1	<1	<1	<1	<1	<1
Mobile	<1	<1	<1	<1	<1	<1
Emergency Generator	<1	<1	<1	<1	<1	<1
Total	<1	<1	<1	<1	<1	<1

Project Regional Emissions (Buildout Year)	ROG	NO_x	CO	SO2	PM_{10}	$PM_{2.5}$
Area	20	<1	76	<1	<1	<1
Energy	<1	<1	<1	<1	<1	<1
Mobile	12	7	85	<1	22	6
Emergency Generator	1	4	4	<1	<1	<1
Total	33	12	165	<1	22	6

Incremental Regional Emissions (Project Less Existing)	ROG	NO_x	CO	SO2	PM_{10}	$PM_{2.5}$
Area	20	<1	76	<1	<1	<1
Energy	<1	<1	<1	<1	<1	<1
Mobile	12	7	85	<1	22	6
Emergency Generator	1	4	4	<1	<1	<1
Total	33	12	165	<1	22	6
Threshold	**55**	**55**	**550**	**150**	**150**	**55**
Difference	**(22)**	**(43)**	**(385)**	**(150)**	**(128)**	**(49)**
Impact	No	No	No	No	No	No

Project Localized (Buildout Year)					
Onsite Total	5	80		<1	<1
Threshold	**82**	**1454**		**8**	**3**
Difference	**(77)**	**(1374)**		**(7)**	**(2.28)**
Impact	**No**	**No**		**No**	**No**

Concurrent Operations and Construction Emissions

Regional Emissions	ROG	NO_x	CO	SO2	PM_{10}	$PM_{2.5}$
Operational Emissions	26	8	104	0	13	3
Construction Emissions	13	37	71	0	15	4
Total	39	44	174	0	28	7
Threshold	**55**	**55**	**550**	**150**	**150**	**55**
Difference	**(16)**	**(11)**	**(376)**	**(150)**	**(122)**	**(48)**
Impact	**No**	**No**	**No**	**No**	**No**	**No**

Localized Emissions	ROG	NO_x	CO	SO2	PM_{10}	$PM_{2.5}$
Operational Emissions		3	49		0	0
Construction Emissions		12	43		4	<1
Total		15	92		4	1
Threshold		**118**	**2,534**		**12**	**4**
Difference		**(103)**	**(2,442)**		**(8)**	**(3)**
Impact		**No**	**No**		**No**	**No**

Step 1. Determine Allowable Increase using 98th percentile NO2 and Max NO2 data

Central LA NO2 Monitoring Data

SRA	City	Design Value	98th percentile, ppb			Threshold (ppb)	Allowable Increase (ppb)
		2021-2023	2021	2022	2023		
1	Central LA	51	45	57	52	100	49

SRA	City	Design Value	Max Hourly, ppb			Threshold (ppb)	Allowable Increase (ppb)
		2006-2008	2021	2022	2023		
1	Central LA	120	61	75	64	180	60

Max Hourly vs. 98th Percentile Ratio (Allowable Increase)	81%

Step 2. Use ratio in Step 1 to determine LST lookup value. Extrapolate/Interpolate LST look-up value for project area

LST Threshold (SRA 1, 25 meter receptor)

Project Size (acres)	NO2 (lbs/day)	98th Percentile NO2 (lbs/day)	CO (lbs/day)	PM10 (lbs/day)	PM2.5 (lbs/day)	PM10 Ops (lbs/day)	PM2.5 Ops (lbs/day)	
1	74	54	680	5	3	2	1	
2	108	79	1048	8	5	2	2	
5	161	118	1861	16	8	4	2	
2	100	74	1003	8	5	2	2	<----Interpolated Value

LST Threshold (SRA 1, 50 meter receptor)

Project Size (acres)	NO2 (lbs/day)	98th Percentile NO2 (lbs/day)	CO (lbs/day)	PM10 (lbs/day)	PM2.5 (lbs/day)	PM10 Ops (lbs/day)	PM2.5 Ops (lbs/day)	
1	74	60	882	15	5	4	2	
2	106	86	1368	25	7	6	2	
5	157	128	2331	50	11	12	3	
2	99	81	1292	24	7	6	2	<----Interpolated Value

LST Threshold (SRA 1, 100 meter receptor)

Project Size (acres)	NO2 (lbs/day)	98th Percentile NO2 (lbs/day)	CO (lbs/day)	PM10 (lbs/day)	PM2.5 (lbs/day)	PM10 Ops (lbs/day)	PM2.5 Ops (lbs/day)	
1	82	67	1259	33	10	8	3	
2	110	90	1799	43	12	11	3	
5	165	134	3030	69	18	17	5	
2	106	86	1739	42	12	11	3	<----Interpolated Value

LST Threshold (SRA 1, 200 meter receptor)

Project Size (acres)	NO2 (lbs/day)	98th Percentile NO2 (lbs/day)	CO (lbs/day)	PM10 (lbs/day)	PM2.5 (lbs/day)	PM10 Ops (lbs/day)	PM2.5 Ops (lbs/day)	
1	106	86	2406	70	24	17	6	
2	126	103	3016	80	28	20	7	
5	173	141	4547	107	36	26	9	
2	124	101	2970	80	27	20	7	<----Interpolated Value

LST Threshold (SRA 1, 500 meter receptor)

Project Size (acres)	NO2 (lbs/day)	98th Percentile NO2 (lbs/day)	CO (lbs/day)	PM10 (lbs/day)	PM2.5 (lbs/day)	PM10 Ops (lbs/day)	PM2.5 Ops (lbs/day)	
1	168	137	7911	179	102	43	25	
2	179	146	8637	190	110	46	27	
5	212	173	10666	219	126	53	31	
2	179	146	8614	189	109	46	27	<----Interpolated Value

LST Threshold (SRA 1, 2.50 acre, 72 meter receptor)

Distance	NO2 (lbs/day)	98th Percentile NO2 (lbs/day)	CO (lbs/day)	PM10 (lbs/day)	PM2.5 (lbs/day)	PM10 Ops (lbs/day)	PM2.5 Ops (lbs/day)	
25	100	74	1003	8	5	2	2	
50	99	81	1292	24	7	6	2	
100	106	86	1739	42	12	11	3	
200	124	101	2970	80	27	20	7	
500	179	146	8614	189	109	46	27	
72	104	82	1454	30	9	8	3	<----Interpolated Value

Step 1. Determine Allowable Increase using 98th percentile NO2 and Max NO2 data

Central LA NO2 Monitoring Data

SRA	City	Design Value	98th percentile, ppb			
		2014-2016	2017	2018	2019	2020
1	Central LA	56		57	56	55

Threshold (ppb)	Allowable Increase (ppb)
100	44

SRA	City	Design Value	Max Hourly, ppb			
		2006-2008	2017	2018	2019	2020
1	Central LA	120		70	70	62

Threshold (ppb)	Allowable Increase (ppb)
180	60

Max Hourly vs. 98th Percentile Ratio (Allowable Increase)	73%

Step 2. Use ratio in Step 1 to determine LST lookup value. Extrapolate/Interpolate LST look-up value for project area

LST Threshold (SRA 1, 25 meter receptor)

Project Size (acres)	NO2 (lbs/day)	98th Percentile NO2 (lbs/day)	CO (lbs/day)	PM10 (lbs/day)	PM2.5 (lbs/day)	PM10 Ops (lbs/day)	PM2.5 Ops (lbs/day)	
1	74	54	680	5	3	2	1	
2	108	79	1048	8	5	2	2	
5	161	118	1861	16	8	4	2	
4.85	160	117	1829	16	8	4	2	<---Interpolated Value

LST Threshold (SRA 1, 50 meter receptor)

Project Size (acres)	NO2 (lbs/day)	98th Percentile NO2 (lbs/day)	CO (lbs/day)	PM10 (lbs/day)	PM2.5 (lbs/day)	PM10 Ops (lbs/day)	PM2.5 Ops (lbs/day)	
1	74	54	882	15	5	4	2	
2	106	78	1368	25	7	6	2	
5	157	115	2331	50	11	12	3	
4.85	156	114	2297	49	11	12	3	<---Interpolated Value

LST Threshold (SRA 1, 100 meter receptor)

Project Size (acres)	NO2 (lbs/day)	98th Percentile NO2 (lbs/day)	CO (lbs/day)	PM10 (lbs/day)	PM2.5 (lbs/day)	PM10 Ops (lbs/day)	PM2.5 Ops (lbs/day)	
1	82	60	1259	33	10	8	3	
2	110	81	1799	43	12	11	3	
5	165	121	3030	69	18	17	5	
4.85	163	120	2980	68	18	17	5	<---Interpolated Value

LST Threshold (SRA 1, 200 meter receptor)

Project Size (acres)	NO2 (lbs/day)	98th Percentile NO2 (lbs/day)	CO (lbs/day)	PM10 (lbs/day)	PM2.5 (lbs/day)	PM10 Ops (lbs/day)	PM2.5 Ops (lbs/day)	
1	106	78	2406	70	24	17	6	
2	126	92	3016	80	28	20	7	
5	173	127	4547	107	36	26	9	
4.85	171	125	4479	106	36	26	9	<---Interpolated Value

LST Threshold (SRA 1, 500 meter receptor)

Project Size (acres)	NO2 (lbs/day)	98th Percentile NO2 (lbs/day)	CO (lbs/day)	PM10 (lbs/day)	PM2.5 (lbs/day)	PM10 Ops (lbs/day)	PM2.5 Ops (lbs/day)	
1	168	123	7911	179	102	43	25	
2	179	131	8637	190	110	46	27	
5	212	155	10666	219	126	53	31	
4.85	210	154	10569	218	125	53	31	<---Interpolated Value

LST Threshold (SRA 1, 4.85 acre, 72 meter receptor)

Distance	NO2 (lbs/day)	98th Percentile NO2 (lbs/day)	CO (lbs/day)	PM10 (lbs/day)	PM2.5 (lbs/day)	PM10 Ops (lbs/day)	PM2.5 Ops (lbs/day)	
25	160	117	1829	16	8	4	2	
50	156	114	2297	49	11	12	3	
100	163	120	2980	68	18	17	5	
200	171	125	4479	106	36	26	9	
500	210	154	10569	218	125	53	31	
72	160	118	2534	50	14	12	4	<---Interpolated Value

DTLA ROW - South Lot Building A

Air Quality Analysis Assumptions

9/20/2024

The following information describes the quantity of construction equipment projected during the various stages of construction for a single phased project.

Construction Details	Start Date	End Date	Construction Duration (Months)	Work Days Per Week	Total Work Days (calculated)	Max Daily Employees	Avg Daily Employees	Max Daily Hauls	Avg Daily Hauls (calculated)	Total Hauls (calculated)	Max Daily Deliveries	Avg Daily Deliveries
Overall Duration	3/2/2026	9/2/2029	24									
Demolition/Utility Relocation	3/2/2026	4/1/2026	1	5	20	20	10	10	2	72	2	1
Grading/Shoring/Excavation	4/1/2026	9/1/2026	5	5	109	40	30	100	100	5,240	2	1
Building Foundation	9/2/2026	1/31/2028	17	5	364	100	80				100	8
Building Construction	1/31/2028	1/5/2029	11	5	264	100	100				14	4
Site Work/Landscape	2/19/2029	9/2/2029	7	5	143	50	25				14	2
Site Acreage												
Demolition Quantities		(calculated)										
Building Square Footage (SF)	0	0	cy	NOTE: embedded formulas are not clear. No existing bldgs to demolish. Parking lot to be demolished consists of asphalt and concrete. 82,545 sf x 4" asphalt = (82,545 sf x 4")/324 (27,239 cu. Ft. = 1,009 cu. yds.								
Parking (SF)	82,545	1,009	cy									
Parking (spaces)	0	0	cy									
Import/Export Quantities during Grading	(CY)											
Import	0											
Export	73,440											

Note: If a assumed that demolition and import/export would be 91 cy haul trucks.

Landfill Location	One-way Dist. (miles)		
Azusa, CA	25		
Irwindale, CA	20		
Irwindale, CA	19		
Simi Valley, CA	44		
Onsite Travel	**Paved**	**Unpaved**	
Demolition/Site Prep	500	1000	Feet
Grading	500	1000	Feet

Note: If offsite staging areas are used, then please include the distance within the haul route.

Equipment	Worst Case Day						
	Demo	Grading/ Excavation	Mat Foundation	Foundation	Building Construction	Paving/ Landscape	Blank
Air Compressor	2			2			
Aerial Lift					3		
Auger/Drill Rig		2					
Cement and Mortar Mixers				1			
Concrete/Industrial Saws				3			
Cranes (Tower)				1	1		
Cranes (Mobile)				1		1	
Crawler Tractors							
Crushing/Proc. Equipment							
Excavators	2	2		1			
Forklifts				2			
Generator Sets	1						
Graders							
Off Highway Tractors							
Water Truck	1	1				1	
Pavers							
Paving Equipment						1	
Pumps				2			
Plate Compactors		2		2		2	
Rollers		2				2	
Rough Terrain Forklifts				3			
Rubber Tired Dozers							
Rubber Tired Loaders		2					
Scrapers							
Signal Boards						2	
Skid Steer Loaders	2	2					
Surfacing Equipment							
Tractors/Loaders/Backhoes	2			2		2	
Trenchers							
Welders				2			
Other ( )							
Total Pieces	12	14	0	22	4	11	0

Equipment	Average Day						
	Demo	Grading/ Excavation	Mat Foundation	Foundation	Building Construction	Paving/ Landscape	Blank
Air Compressor	1			1			
Aerial Lift					1		
Auger/Drill Rig		1					
Cement and Mortar Mixers				1			
Concrete/Industrial Saws				1			
Cranes (Tower)				1	1		
Cranes (Mobile)				1		1	
Crawler Tractors							
Crushing/Proc. Equipment							
Excavators	1	2		1			
Forklifts				2			
Generator Sets	1						
Graders							
Off Highway Tractors							
Water Truck	1	1				1	
Pavers							
Paving Equipment						1	
Pumps				1			
Plate Compactors		1		1		1	
Rollers		1				1	
Rough Terrain Forklifts				1			
Rubber Tired Dozers							
Rubber Tired Loaders		1					
Scrapers							
Signal Boards						1	
Skid Steer Loaders	1	1					
Surfacing Equipment							
Tractors/Loaders/Backhoes	1			1		1	
Trenchers							
Welders				1			
Other ( )							
Total Pieces	5	5	0	12	2	7	0

DTLA ROW - South Lot Building B

Air Quality Analysis Assumptions

9/20/2024

The following information describes the quantity of construction equipment projected during the various stages of construction for a single phased project.

Construction Details	Start Date	End Date	Construction Duration (Months)	Work Days Per Week	Total Work Days (calculated)	Max Daily Employees	Avg Daily Employees	Max Daily Hauls	Avg Daily Hauls (calculated)	Total Hauls (calculated)	Max Daily Deliveries	Avg Daily Deliveries
Overall Duration	6/2/2026	6/3/2028	24									
Demolition/Utility Work	6/2/2026	7/28/2026	2	5	43	20	10	10	1	43	2	2
Grading/Shoring/Excavation	7/29/2026	9/18/2026	2	5	45	20	20	100	44	2,000	4	4
Building Foundation	9/19/2026	4/2/2027	6	5	141	80	60				80	6
Building Construction	9/19/2027	6/3/2028	19	5	320	120	80				16	4
Site Work/Landscape	4/20/2028	6/3/2028	2	5	130	40	20				10	4
Site Average												
Demolition Quantities			(calculated)									
Building Square Footage (SF)		0	0	cy	NOTE: embedded formulas are not clear. No existing bldgs to demolish. Parking lot to be demolished consists of asphalt and concrete 46,500 sf x 4" asphalt = (46,500 sf x 4"/12=15,500 cu. Ft. = 568 cu. yds.							
Parking (SF)		46,500	568	cy								
Parking (spaces)		0	0	cy								
Import/Export Quantities during Grading	**(CY)**											
Import	0											
Export	42,000											

Note: If a assumed that demolition and import/export would be in cy load trucks.

Landfill Location	One-way Dist. (miles)
Azusa, CA	25
Irwindale, CA	20
Irwindale, CA	50
Simi Valley, CA	40

On-site Travel	Paved	Unpaved	
Demolition/Site Prep	500	1000	Feet
Grading	500	1000	Feet

Note: If offsite staging areas are used, then please include the distance within the haul route.

Equipment	Worst Case Day						
	Demo	Grading/ Excavation	Mat Foundation	Foundation	Building Construction	Paving/ Landscape	Blank
Air Compressor	2			2			
Aerial Lift					2		
Auger/Drill Rig		1					
Cement and Mortar Mixers				1			
Concrete/Industrial Saws				2			
Cranes (Tower)							
Cranes (Mobile)				1		1	
Crawler Tractors							
Crushing/Proc. Equipment							
Excavators	1	2		1			
Forklifts				2			
Generator Sets	1						
Graders							
Off Highway Tractors							
Water Truck	1	1				1	
Pavers							
Paving Equipment						1	
Pumps				1			
Plate Compactors		2		2		2	
Rollers		1				1	
Rough Terrain Forklifts				2			
Rubber Tired Dozers							
Rubber Tired Loaders		1					
Scrapers							
Signal Boards						2	
Skid Steer Loaders	2	2					
Surfacing Equipment							
Tractors/Loaders/Backhoes	1			1		2	
Trenchers							
Welders				2			
Other ( )							
Total Pieces	8	10	0	17	2	10	0

Equipment	Average Day						
	Demo	Grading/ Excavation	Mat Foundation	Foundation	Building Construction	Paving/ Landscape	Blank
Air Compressor	1			1			
Aerial Lift					1		
Auger/Drill Rig		1					
Cement and Mortar Mixers				1			
Concrete/Industrial Saws				1			
Cranes (Tower)							
Cranes (Mobile)				1	1	1	
Crawler Tractors							
Crushing/Proc. Equipment							
Excavators	1	1		1			
Forklifts				1			
Generator Sets	1						
Graders							
Off Highway Tractors							
Water Truck	1	1				1	
Pavers							
Paving Equipment						1	
Pumps				1			
Plate Compactors		1		1		1	
Rollers		1				1	
Rough Terrain Forklifts				1			
Rubber Tired Dozers							
Rubber Tired Loaders		1					
Scrapers							
Signal Boards						1	
Skid Steer Loaders	1	1					
Surfacing Equipment							
Tractors/Loaders/Backhoes	1			1		1	
Trenchers							
Welders				1			
Other ( )							
Total Pieces	5	7	0	11	2	7	0

Consruction Air Quality Analysis Assumptions

DTLA ROW - NORTH LOT

6/20/2023

The following information desciribes the quantitly of construction equipment prcjected during the various stages of construction.

Construction Details	Start Date	End Date	Construct. Duration (months)	Work Days	Daily Employees	Max. Daily Hauls	Total Hauls	Max. Daily Deliveries
Overall Project (start of demo to end of construciton)	**06/03/30**	**08/30/32**	27					
New Buildings-Demolition	06/03/30	06/25/30	1	17	12	10	160	2
New Buildings-Grading & Utilities	06/09/30	10/02/30	4	83	30	120	3,600	3
New Buildings-Foundation/Structure	09/16/30	09/29/31	12	271	150			100
New Buildings-Interior	09/30/31	04/12/32	6	140	120			18
New Buildings-Paving/Landscape	01/13/32	08/30/32	8	165	25			15

Demolition Quantities	Quantities		
New Buildings-Demolition (cy)	1,268	cy	No existing buildings to demolish, Parking Lot Asphalt and Concrete Debris Demolition (102,706 SF x 4" of asphalt)
Import / Export Quantities during Grading			
New Buildings-Grading Export (cy)	36,210	cy	Parking garage export and spoils generated by other trades export

Export	Distance (miles)		
Azusa, CA	24.6	Demolition Debris	Waste Management (1211 West Gladstone, Azusa, CA)
Irwindale, CA	20.4		United Rock Products (1245 Arrow Highway, Irwindale, CA)
Irwindale, CA	19.4	Soil (Worst-case)	Martin Marrietta (13550 Live Oak Ave, Irwindale, CA)
Simi Valley, CA	44	Soil (Arsenic + Lead)	Waste Management (2801 Madera Rd, Simi Valley, CA)

Assumed travel distance (one-way) of 60 miles.

Anticipated Type cf Construction Equipment (number cf units for each phase. Assumed 8 hours per day, 5 days per week)

	New Buildings				
Equipment Type	**Demo**	**Grading**	**Foundation/Structure**	**Interior**	**Paving/Landscape**
Air Compressor	1		1		
Aerial Lift				1	
Bore/Drill Rig		1			
Cement and Mortar Mixers			1		
Concrete/Industrial Saws			1		
Cranes (tower)			1		
Cranes (mobile)			1		1
Crawler Tractors					
Crushing/Proc. Equipment					
Dewatering Equipment					
Excavators	1	2	1		
Forklifts			2		
Generator Sets	1				
Graders					
Off-Highway Tractors					
Water Truck	1	1			1
Pavers					
Paving Equipment					1
Pumps			1		
Plate Compactors		1	1		1
Rollers		1			1
Rough Terrain Forklifts			1		
Rubber-tired Dozers					
Rubber-tired Loaders		1			
Scrapers					
Signal Boards					1
Skid Steer Loaders	1	1			
Surfacing Equipment					
Tractors/Loaders/Backhoes	1		1		1
Trenchers					
Welders			1		
Total Pieces	**6**	**8**	**13**	**1**	**7**

DTLA Row

CO Hotspots

CO Hotspots Analysis - Maximum Impacted Intersection

	Alameda Street and 7th Street	
	Future with Project	
Direction	AM	PM
Total Intersection Volume	6203	7059
Max Daily Trips[a]	105,853	118,639
Caltrans K Factor (%)[b]	5.86%	5.95%

[a] Maximum Daily Trips are based on the Caltrans K Factor which is the percentage of the AADT in both directions during the peak hour.

[b] Caltrans K Factor obtained from 101 Freeway Monitoring Station, Postmile 0.5 which is closest to the Project site. Please refer to: https://dot.ca.gov/programs/traffic-operations/census

CITY OF LOS ANGELES VMT CALCULATOR Version 1.5

Project Screening Criteria: Is this project required to conduct a vehicle miles traveled analysis?

Project Information

Project: Residential at ROW DTLA

Scenario: Full Build

Address: 747 S ALAMEDA ST. 90021



Is the project replacing an existing number of residential units with a smaller number of residential units AND is located within one-half mile of a fixed-rail or fixed-guideway transit station?

● Yes ● No

Existing Land Use

Land Use Type	Value	Unit
Housing | Single Family		DU

Click here to add a single custom land use type (will be included in the above list)

Proposed Project Land Use

Land Use Type	Value	Unit
Retail | High-Turnover Sit-Down Restaurant	6.547	ksf
Housing | Multi-Family	886	DU
Housing | Affordable Housing - Family	114	DU
Retail | High-Turnover Sit-Down Restaurant	6.547	ksf

Click here to add a single custom land use type (will be included in the above list)

Project Screening Summary

Existing Land Use	Proposed Project
0 Daily Vehicle Trips	4,676 Daily Vehicle Trips
0 Daily VMT	30,560 Daily VMT

Tier 1 Screening Criteria

Project will have less residential units compared to existing residential units & is within one-half mile of a fixed-rail station. ☐

Tier 2 Screening Criteria

The net increase in daily trips < 250 trips	4,676 Net Daily Trips
The net increase in daily VMT ≤ 0	30,560 Net Daily VMT
The proposed project consists of only retail land uses ≤ 50,000 square feet total.	6.547 ksf

The proposed project is required to perform VMT analysis.

Measuring the Miles

12/16/2024

CITY OF LOS ANGELES VMT CALCULATOR Version 1.5

Project Information

Project: Residential at ROW DTLA

Scenario: Full Build

Address: 747 S ALAMEDA ST, 90021



Proposed Project Land Use Type	Value	Unit
Housing | Multi-Family	886	DU
Housing | Affordable Housing - Family	114	DU
Retail | High-Turnover Sit-Down Restaurant	6.547	ksf

TDM Strategies

Select each section to show individual strategies
Use ☑ to denote if the TDM strategy is part of the proposed project or is a mitigation strategy

	Proposed Project	With Mitigation
Max Home Based TDM Achieved?	**No**	**No**
Max Work Based TDM Achieved?	**No**	**No**

- **A** Parking
- **B** Transit
- **C** Education & Encouragement
- **D** Commute Trip Reductions
- **E** Shared Mobility
- **F** Bicycle Infrastructure

Implement/Improve On-street Bicycle Facility — Select Proposed Prj or Mitigation to include this strategy
☐ Proposed Prj ☐ Mitigation

Include Bike Parking Per LAMC — Select Proposed Prj or Mitigation to include this strategy
☑ Proposed Prj ☐ Mitigation

Include Secure Bike Parking and Showers — Select Proposed Prj or Mitigation to include this strategy
☐ Proposed Prj ☐ Mitigation

- **G** Neighborhood Enhancement

Analysis Results

Proposed Project	With Mitigation
4,648 Daily Vehicle Trips	**4,648** Daily Vehicle Trips
30,369 Daily VMT	**30,369** Daily VMT
5.2 Household VMT per Capita	**5.2** Household VMT per Capita
N/A Work VMT per Employee	**N/A** Work VMT per Employee

Significant VMT Impact?

Proposed Project	With Mitigation
Household: No Threshold = 6.0 15% Below APC	**Household: No** Threshold = 6.0 15% Below APC
Work: N/A Threshold = 7.6 15% Below APC	**Work: N/A** Threshold = 7.6 15% Below APC

Measuring the Miles

12/10/2024

CITY OF LOS ANGELES VMT CALCULATOR

Report 1: Project & Analysis Overview

Date: December 10, 2024
Project Name: Residential at ROW DTLA
Project Scenario: Full Build
Project Address: 747 S ALAMEDA ST, 90021

Version 1.5

Project Information			
Land Use Type		Value	Units
Housing	Single Family	0	DU
	Multi Family	886	DU
	Townhouse	0	DU
	Hotel	0	Rooms
	Motel	0	Rooms
Affordable Housing	Family	114	DU
	Senior	0	DU
	Special Needs	0	DU
	Permanent Supportive	0	DU
Retail	General Retail	0.000	ksf
	Furniture Store	0.000	ksf
	Pharmacy/Drugstore	0.000	ksf
	Supermarket	0.000	ksf
	Bank	0.000	ksf
	Health Club	0.000	ksf
	High-Turnover Sit-Down Restaurant	6.547	ksf
	Fast-Food Restaurant	0.000	ksf
	Quality Restaurant	0.000	ksf
	Auto Repair	0.000	ksf
	Home Improvement	0.000	ksf
	Free-Standing Discount	0.000	ksf
	Movie Theater	0	Seats
Office	General Office	0.000	ksf
	Medical Office	0.000	ksf
Industrial	Light Industrial	0.000	ksf
	Manufacturing	0.000	ksf
	Warehousing/Self-Storage	0.000	ksf
School	University	0	Students
	High School	0	Students
	Middle School	0	Students
	Elementary	0	Students
	Private School (K-12)	0	Students
Other		0	Trips

CITY OF LOS ANGELES VMT CALCULATOR

Report 1: Project & Analysis Overview

Date: December 10, 2024
Project Name: Residential at ROW DTLA
Project Scenario: Full Build
Project Address: 747 S ALAMEDA ST, 90021

Version 1.5

Analysis Results			
Total Employees: 26 Total Population: 2,354			
Proposed Project		***With Mitigation***	
4,648	**Daily Vehicle Trips**	**4,648**	**Daily Vehicle Trips**
30,369	**Daily VMT**	**30,369**	**Daily VMT**
5.2	**Household VMT per Capita**	**5.2**	**Household VMT per Capita**
N/A	**Work VMT per Employee**	**N/A**	**Work VMT per Employee**

Significant VMT Impact?			
APC: Central			
Impact Threshold: 15% Below APC Average Household = 6.0 Work = 7.6			
Proposed Project		***With Mitigation***	
VMT Threshold	**Impact**	**VMT Threshold**	**Impact**
Household > 6.0 Work > 7.6	No N/A	Household > 6.0 Work > 7.6	No N/A

TDM Strategy Inputs

Strategy Type		Description	Proposed Project	Mitigations
Parking	Reduce parking supply	City code parking provision (spaces)	0	0
		Actual parking provision (spaces)	0	0
	Unbundle parking	Monthly cost for parking ($)	$0	$0
	Parking cash-out	Employees eligible (%)	0%	0%
	Price workplace parking	Daily parking charge ($)	$0.00	$0.00
		Employees subject to priced parking (%)	0%	0%
	Residential area parking permits	Cost of annual permit ($)	$0	$0

(cont. on following page)

TDM Strategy Inputs, Cont.

Strategy Type		Description	Proposed Project	Mitigations
Transit	Reduce transit headways	Reduction in headways (increase in frequency) (%)	0%	0%
		Existing transit mode share (as a percent of total daily trips) (%)	0%	0%
		Lines within project site improved (<50%, >=50%)	0	0
	Implement neighborhood shuttle	Degree of implementation (low, medium, high)	0	0
		Employees and residents eligible (%)	0%	0%
	Transit subsidies	Employees and residents eligible (%)	0%	0%
		Amount of transit subsidy per passenger (daily equivalent) ($)	$0.00	$0.00
Education & Encouragement	Voluntary travel behavior change program	Employees and residents participating (%)	0%	0%
	Promotions and marketing	Employees and residents participating (%)	0%	0%

(cont. on following page)

TDM Strategy Inputs, Cont.

Strategy Type		Description	Proposed Project	Mitigations
Commute Trip Reductions	Required commute trip reduction program	Employees participating (%)	0%	0%
	Alternative Work Schedules and Telecommute	Employees participating (%)	0%	0%
		Type of program	0	0
	Employer sponsored vanpool or shuttle	Degree of implementation (low, medium, high)	0	0
		Employees eligible (%)	0%	0%
		Employer size (small, medium, large)	0	0
	Ride-share program	Employees eligible (%)	0%	0%
Shared Mobility	Car share	Car share project setting (Urban, Suburban, All Other)	0	0
	Bike share	Within 600 feet of existing bike share station - OR- implementing new bike share station (Yes/No)	0	0
	School carpool program	Level of implementation (Low, Medium, High)	0	0

(cont. on following page)

TDM Strategy Inputs, Cont.

Strategy Type		Description	Proposed Project	Mitigations
Bicycle Infrastructure	*Implement/improve on-street bicycle facility*	*Provide bicycle facility along site (Yes/No)*	*0*	*0*
	Include Bike parking per LAMC	Meets City Bike Parking Code (Yes/No)	Yes	Yes
	Include secure bike parking and showers	*Includes indoor bike parking/lockers, showers, & repair station (Yes/No)*	*0*	*0*
Neighborhood Enhancement	*Traffic calming improvements*	*Streets with traffic calming improvements (%)*	*0%*	*0%*
		Intersections with traffic calming improvements (%)	*0%*	*0%*
	Pedestrian network improvements	*Included (within project and connecting off-site/within project only)*	*0*	*0*

CITY OF LOS ANGELES VMT CALCULATOR

Report 3: TDM Outputs

Date: December 10, 2024
Project Name: Residential at ROW DTLA
Project Scenario: Full Build
Project Address: 747 S ALAMEDA ST, 90021

Version 1.5

TDM Adjustments by Trip Purpose & Strategy

Place type: Compact Infill

		Home Based Work Production		*Home Based Work Attraction*		*Home Based Other Production*		*Home Based Other Attraction*		*Non-Home Based Other Production*		*Non-Home Based Other Attraction*		*Source*
		Proposed	Mitigated	Proposed	Mitigated	Proposed	Mitigated	Proposed	Mitigated	Proposed	Mitigated	Proposed	Mitigated	
Parking	Reduce parking supply	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	TDM Strategy Appendix, Parking sections 1 - 5
	Unbundle parking	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	
	Parking cash-out	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	
	Price workplace parking	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	
	Residential area parking permits	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
Transit	Reduce transit headways	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	TDM Strategy Appendix, Transit sections 1 - 3
	Implement neighborhood shuttle	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	
	Transit subsidies	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	
Education & Encouragement	Voluntary travel behavior change program	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	TDM Strategy Appendix, Education & Encouragement sections 1 - 2
	Promotions and marketing	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	
Commute Trip Reductions	Required commute trip reduction program	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	TDM Strategy Appendix, Commute Trip Reductions sections 1 - 4
	Alternative Work Schedules and Telecommute Program	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	
	Employer sponsored vanpool or shuttle	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	
	Ride-share program	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	
Shared Mobility	Car-share	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	TDM Strategy Appendix, Shared Mobility sections 1 - 3
	Bike share	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
	School carpool program	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	

TDM Adjustments by Trip Purpose & Strategy, Cont.

Place type: Compact Infill

		Home Based Work Production		*Home Based Work Attraction*		*Home Based Other Production*		*Home Based Other Attraction*		*Non-Home Based Other Production*		*Non-Home Based Other Attraction*		*Source*
		Proposed	Mitigated	Proposed	Mitigated	Proposed	Mitigated	Proposed	Mitigated	Proposed	Mitigated	Proposed	Mitigated	
Bicycle Infrastructure	Implement/ improve on-street bicycle facility	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	TDM Strategy Appendix, Bicycle Infrastructure sections 1 - 3
	Include Bike parking per LAMC	0.6%	0.6%	0.6%	0.6%	0.6%	0.6%	0.6%	0.6%	0.6%	0.6%	0.6%	0.6%	
	Include secure bike parking and showers	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	
Neighborhood Enhancement	Traffic calming improvements	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	TDM Strategy Appendix, Neighborhood Enhancement sections 1 - 2
	Pedestrian network improvements	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	

Final Combined & Maximum TDM Effect

	Home Based Work Production		*Home Based Work Attraction*		*Home Based Other Production*		*Home Based Other Attraction*		*Non-Home Based Other Production*		*Non-Home Based Other Attraction*	
	Proposed	Mitigated	Proposed	Mitigated	Proposed	Mitigated	Proposed	Mitigated	Proposed	Mitigated	Proposed	Mitigated
COMBINED TOTAL	1%	1%	1%	1%	1%	1%	1%	1%	1%	1%	1%	1%
MAX. TDM EFFECT	1%	1%	1%	1%	1%	1%	1%	1%	1%	1%	1%	1%

= Minimum (X%, 1-[(1-A)*(1-B)…])

where X%=

PLACE TYPE MAX:	*urban*	*75%*
	compact infill	*40%*
	suburban center	*20%*
	suburban	*15%*

Note: (1-[(1-A)*(1-B)…]) reflects the dampened combined effectiveness of TDM Strategies (e.g., A, B,…). See the TDM Strategy Appendix (*Transportation Assessment Guidelines Attachment G)* for further discussion of dampening.

CITY OF LOS ANGELES VMT CALCULATOR

Report 4: MXD Methodology

Date: December 10, 2024
Project Name: Residential at ROW DTLA
Project Scenario: Full Build
Project Address: 747 S ALAMEDA ST, 90021

Version 1.5

MXD Methodology - Project Without TDM

	Unadjusted Trips	MXD Adjustment	MXD Trips	Average Trip Length	Unadjusted VMT	MXD VMT
Home Based Work Production	890	-28.3%	638	7.2	6,408	4,594
Home Based Other Production	2,466	-38.6%	1,515	5.1	12,577	7,727
Non-Home Based Other Production	1,272	-6.1%	1,194	7.8	9,922	9,313
Home-Based Work Attraction	38	-60.5%	15	8.4	319	126
Home-Based Other Attraction	1,453	-35.0%	945	6.5	9,445	6,143
Non-Home Based Other Attraction	400	-7.8%	369	7.2	2,880	2,657

MXD Methodology with TDM Measures

	Proposed Project			*Project with Mitigation Measures*		
	TDM Adjustment	Project Trips	Project VMT	TDM Adjustment	Mitigated Trips	Mitigated VMT
Home Based Work Production	-0.6%	634	4,565	-0.6%	634	4,565
Home Based Other Production	-0.6%	1,506	7,679	-0.6%	1,506	7,679
Non-Home Based Other Production	-0.6%	1,187	9,255	-0.6%	1,187	9,255
Home-Based Work Attraction	-0.6%	15	125	-0.6%	15	125
Home-Based Other Attraction	-0.6%	939	6,105	-0.6%	939	6,105
Non-Home Based Other Attraction	-0.6%	367	2,640	-0.6%	367	2,640

MXD VMT Methodology Per Capita & Per Employee

Total Population: 2,354
Total Employees: 26
APC: Central

	Proposed Project	*Project with Mitigation Measures*
Total Home Based Production VMT	**12,244**	**12,244**
Total Home Based Work Attraction VMT	**125**	**125**
Total Home Based VMT Per Capita	**5.2**	**5.2**
Total Work Based VMT Per Employee	**N/A**	**N/A**

DTLA Row - Construction South Lot Building A Detailed Report

Table of Contents

1. Basic Project Information

1.1. Basic Project Information

1.2. Land Use Types

1.3. User-Selected Emission Reduction Measures by Emissions Sector

2. Emissions Summary

2.1. Construction Emissions Compared Against Thresholds

2.2. Construction Emissions by Year, Unmitigated

3. Construction Emissions Details

3.1. Demolition/Utility Relocation (2027) - Unmitigated

3.3. Grading/Shoring/Excavation (2027) - Unmitigated

3.5. Building Foundation (2027) - Unmitigated

3.7. Building Foundation (2028) - Unmitigated

3.9. Building Construction (2028) - Unmitigated

3.11. Building Construction (2029) - Unmitigated

3.13. Paving (2029) - Unmitigated

3.15. Architectural Coating (2029) - Unmitigated

4. Operations Emissions Details

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

4.10.2. Above and Belowground Carbon Accumulation by Land Use Type - Unmitigated

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

5. Activity Data

5.1. Construction Schedule

5.2. Off-Road Equipment

5.2.1. Unmitigated

5.3. Construction Vehicles

5.3.1. Unmitigated

5.4. Vehicles

5.4.1. Construction Vehicle Control Strategies

5.5. Architectural Coatings

5.6. Dust Mitigation

5.6.1. Construction Earthmoving Activities

5.6.2. Construction Earthmoving Control Strategies

5.7. Construction Paving

5.8. Construction Electricity Consumption and Emissions Factors

5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

5.18.2. Sequestration

5.18.2.1. Unmitigated

6. Climate Risk Detailed Report

6.1. Climate Risk Summary

6.2. Initial Climate Risk Scores

6.3. Adjusted Climate Risk Scores

6.4. Climate Risk Reduction Measures

7. Health and Equity Details

7.1. CalEnviroScreen 4.0 Scores

7.2. Healthy Places Index Scores

7.3. Overall Health & Equity Scores

7.4. Health & Equity Measures

7.5. Evaluation Scorecard

7.6. Health & Equity Custom Measures

8. User Changes to Default Data

1. Basic Project Information

1.1. Basic Project Information

Data Field	Value
Project Name	DTLA Row - Construction South Lot Building A
Construction Start Date	3/2/2027
Lead Agency	—
Land Use Scale	Project/site
Analysis Level for Defaults	County
Windspeed (m/s)	0.50
Precipitation (days)	18.4
Location	34.032905802980835, -118.23935798232272
County	Los Angeles-South Coast
City	Los Angeles
Air District	South Coast AQMD
Air Basin	South Coast
TAZ	4066
EDFZ	16
Electric Utility	Los Angeles Department of Water & Power
Gas Utility	Southern California Gas
App Version	2022.1.1.29

1.2. Land Use Types

Land Use Subtype	Size	Unit	Lot Acreage	Building Area (sq ft)	Landscape Area (sq ft)	Special Landscape Area (sq ft)	Population	Description
Apartments Mid Rise	410	Dwelling Unit	1.83	336,501	13,837	0.00	1,214	—

High Turnover (Sit Down Restaurant)	1.12	1000sqft	0.00	1,119	0.00	0.00	—	—
Recreational Swimming Pool	0.49	1000sqft	0.00	486	0.00	0.00	—	—
Enclosed Parking with Elevator	449	Space	4.04	179,600	0.00	0.00	—	—

1.3. User-Selected Emission Reduction Measures by Emissions Sector

No measures selected

2. Emissions Summary

2.1. Construction Emissions Compared Against Thresholds

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Un/Mit.	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Unmit.	14.4	31.4	53.7	0.19	0.37	18.6	18.9	0.37	2.97	3.34	27,164
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Unmit.	14.4	23.1	68.5	0.11	0.24	9.34	9.58	0.23	2.27	2.50	20,132
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—
Unmit.	6.75	12.5	28.3	0.07	0.15	4.51	4.65	0.14	0.90	1.04	9,891
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—
Unmit.	1.23	2.29	5.17	0.01	0.03	0.82	0.85	0.03	0.16	0.19	1,638

2.2. Construction Emissions by Year, Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Year	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e

Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
2027	1.96	31.4	53.7	0.19	0.37	18.6	18.9	0.37	2.97	3.34	27,164
2028	1.12	4.23	20.6	0.01	0.02	4.23	4.24	0.02	1.00	1.02	5,540
2029	14.4	8.86	41.4	0.04	0.12	5.79	5.91	0.11	1.38	1.49	10,304
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
2027	1.94	19.1	51.3	0.10	0.22	5.11	5.33	0.22	1.27	1.49	15,010
2028	2.98	23.1	68.5	0.11	0.24	9.34	9.58	0.23	2.27	2.50	20,132
2029	14.4	9.14	38.2	0.04	0.12	5.79	5.91	0.11	1.38	1.49	10,023
Average Daily	—	—	—	—	—	—	—	—	—	—	—
2027	0.95	12.5	28.3	0.07	0.15	4.51	4.65	0.14	0.90	1.04	9,891
2028	0.85	3.94	15.3	0.01	0.02	3.13	3.15	0.02	0.75	0.77	4,428
2029	6.75	3.47	14.8	0.02	0.05	2.13	2.17	0.04	0.51	0.55	3,811
Annual	—	—	—	—	—	—	—	—	—	—	—
2027	0.17	2.29	5.17	0.01	0.03	0.82	0.85	0.03	0.16	0.19	1,638
2028	0.16	0.72	2.80	< 0.005	< 0.005	0.57	0.58	< 0.005	0.14	0.14	733
2029	1.23	0.63	2.70	< 0.005	0.01	0.39	0.40	0.01	0.09	0.10	631

3. Construction Emissions Details

3.1. Demolition/Utility Relocation (2027) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.50	7.45	24.4	0.03	0.10	—	0.10	0.09	—	0.09	3,516

Demolition	—	—	—	—	—	0.00	0.00	—	0.00	0.00	—
Onsite truck	0.01	0.18	0.13	< 0.005	< 0.005	0.84	0.84	< 0.005	0.08	0.08	32.4
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.50	7.45	24.4	0.03	0.10	—	0.10	0.09	—	0.09	3,516
Demolition	—	—	—	—	—	0.00	0.00	—	0.00	0.00	—
Onsite truck	0.01	0.18	0.13	< 0.005	< 0.005	0.84	0.84	< 0.005	0.08	0.08	32.8
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.04	0.61	2.01	< 0.005	0.01	—	0.01	0.01	—	0.01	289
Demolition	—	—	—	—	—	0.00	0.00	—	0.00	0.00	—
Onsite truck	< 0.005	0.01	0.01	< 0.005	< 0.005	0.07	0.07	< 0.005	0.01	0.01	2.68
Annual	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.11	0.37	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	47.8
Demolition	—	—	—	—	—	0.00	0.00	—	0.00	0.00	—
Onsite truck	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	0.44
Offsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.14	0.14	2.40	0.00	0.00	0.52	0.52	0.00	0.12	0.12	539
Vendor	< 0.005	0.13	0.06	< 0.005	< 0.005	0.03	0.04	< 0.005	0.01	0.01	128
Hauling	0.02	1.91	0.73	0.01	0.02	0.46	0.49	0.02	0.13	0.15	1,744
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.14	0.17	2.04	0.00	0.00	0.52	0.52	0.00	0.12	0.12	510
Vendor	< 0.005	0.14	0.06	< 0.005	< 0.005	0.03	0.04	< 0.005	0.01	0.01	128
Hauling	0.02	1.99	0.74	0.01	0.02	0.46	0.49	0.02	0.13	0.15	1,742
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.18	0.00	0.00	0.04	0.04	0.00	0.01	0.01	42.6

Vendor	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	10.5
Hauling	< 0.005	0.17	0.06	< 0.005	< 0.005	0.04	0.04	< 0.005	0.01	0.01	143
Annual	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.03	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	7.05
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	1.74
Hauling	< 0.005	0.03	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	23.7

3.3. Grading/Shoring/Excavation (2027) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.55	6.23	32.3	0.04	0.11	—	0.11	0.10	—	0.10	4,626
Dust From Material Movement	—	—	—	—	—	< 0.005	< 0.005	—	< 0.005	< 0.005	—
Onsite truck	0.08	1.80	1.34	< 0.005	< 0.005	11.9	11.9	< 0.005	1.19	1.19	332
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.08	0.85	4.42	0.01	0.01	—	0.01	0.01	—	0.01	634
Dust From Material Movement	—	—	—	—	—	< 0.005	< 0.005	—	< 0.005	< 0.005	—
Onsite truck	0.01	0.25	0.19	< 0.005	< 0.005	1.55	1.55	< 0.005	0.15	0.15	45.7
Annual	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.16	0.81	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	105

Dust From Material Movement	—	—	—	—	—	< 0.005	< 0.005	—	< 0.005	< 0.005	—
Onsite truck	< 0.005	0.05	0.03	< 0.005	< 0.005	0.28	0.28	< 0.005	0.03	0.03	7.57
Offsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.28	0.28	4.81	0.00	0.00	1.05	1.05	0.00	0.25	0.25	1,079
Vendor	0.01	0.20	0.09	< 0.005	< 0.005	0.05	0.05	< 0.005	0.01	0.02	192
Hauling	0.29	22.9	8.77	0.14	0.26	5.56	5.83	0.26	1.52	1.79	20,934
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.05	0.59	0.00	0.00	0.14	0.14	0.00	0.03	0.03	142
Vendor	< 0.005	0.03	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	26.2
Hauling	0.04	3.31	1.21	0.02	0.04	0.76	0.79	0.04	0.21	0.24	2,865
Annual	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.11	0.00	0.00	0.03	0.03	0.00	0.01	0.01	23.5
Vendor	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	4.34
Hauling	0.01	0.60	0.22	< 0.005	0.01	0.14	0.14	0.01	0.04	0.04	474

3.5. Building Foundation (2027) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.85	11.1	34.9	0.06	0.18	—	0.18	0.17	—	0.17	5,319
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.85	11.1	34.9	0.06	0.18	—	0.18	0.17	—	0.17	5,319
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.32	4.20	13.2	0.02	0.07	—	0.07	0.06	—	0.06	2,009
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.06	0.77	2.41	< 0.005	0.01	—	0.01	0.01	—	0.01	333
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.92	0.90	15.6	0.00	0.00	3.40	3.40	0.00	0.80	0.80	3,506
Vendor	0.19	6.58	3.13	0.04	0.04	1.71	1.76	0.04	0.47	0.52	6,389
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.91	1.12	13.2	0.00	0.00	3.40	3.40	0.00	0.80	0.80	3,314
Vendor	0.18	6.85	3.21	0.04	0.04	1.71	1.76	0.04	0.47	0.52	6,377
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Worker	0.34	0.42	5.25	0.00	0.00	1.27	1.27	0.00	0.30	0.30	1,272
Vendor	0.07	2.60	1.20	0.02	0.02	0.64	0.66	0.02	0.18	0.19	2,410
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.08	0.96	0.00	0.00	0.23	0.23	0.00	0.05	0.05	211
Vendor	0.01	0.47	0.22	< 0.005	< 0.005	0.12	0.12	< 0.005	0.03	0.04	399

Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.7. Building Foundation (2028) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.85	11.1	34.9	0.06	0.18	—	0.18	0.17	—	0.17	5,319
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.04	0.52	1.64	< 0.005	0.01	—	0.01	0.01	—	0.01	250
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.10	0.30	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	41.4
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.88	1.01	12.5	0.00	0.00	3.40	3.40	0.00	0.80	0.80	3,255
Vendor	0.13	6.55	3.05	0.04	0.04	1.71	1.76	0.04	0.47	0.52	6,233
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.05	0.61	0.00	0.00	0.16	0.16	0.00	0.04	0.04	155

Vendor	0.01	0.31	0.14	< 0.005	< 0.005	0.08	0.08	< 0.005	0.02	0.02	293
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.11	0.00	0.00	0.03	0.03	0.00	0.01	0.01	25.7
Vendor	< 0.005	0.06	0.03	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	48.5
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.9. Building Construction (2028) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.07	2.07	3.09	< 0.005	0.01	—	0.01	0.01	—	0.01	444
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.07	2.07	3.09	< 0.005	0.01	—	0.01	0.01	—	0.01	444
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.05	1.44	2.14	< 0.005	0.01	—	0.01	0.01	—	0.01	308
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.26	0.39	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	51.0
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	1.03	1.02	16.9	0.00	0.00	3.92	3.92	0.00	0.92	0.92	3,970
Vendor	0.03	1.13	0.55	0.01	0.01	0.31	0.32	0.01	0.09	0.09	1,124
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	1.02	1.16	14.4	0.00	0.00	3.92	3.92	0.00	0.92	0.92	3,756
Vendor	0.02	1.18	0.55	0.01	0.01	0.31	0.32	0.01	0.09	0.09	1,122
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Worker	0.70	0.80	10.4	0.00	0.00	2.68	2.68	0.00	0.63	0.63	2,643
Vendor	0.02	0.82	0.38	0.01	0.01	0.21	0.22	0.01	0.06	0.06	778
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—
Worker	0.13	0.15	1.90	0.00	0.00	0.49	0.49	0.00	0.11	0.11	438
Vendor	< 0.005	0.15	0.07	< 0.005	< 0.005	0.04	0.04	< 0.005	0.01	0.01	129
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.11. Building Construction (2029) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.07	2.07	3.09	< 0.005	0.01	—	0.01	0.01	—	0.01	444
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	0.07	2.07	3.09	< 0.005	0.01	—	0.01	0.01	—	0.01	444
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.76	1.13	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	162
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	0.14	0.21	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	26.8
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.99	0.89	15.8	0.00	0.00	3.92	3.92	0.00	0.92	0.92	3,902
Vendor	0.02	1.08	0.52	0.01	0.01	0.31	0.32	0.01	0.09	0.09	1,095
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.97	1.03	13.4	0.00	0.00	3.92	3.92	0.00	0.92	0.92	3,693
Vendor	0.02	1.12	0.53	0.01	0.01	0.31	0.32	0.01	0.09	0.09	1,094
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Worker	0.35	0.37	5.12	0.00	0.00	1.41	1.41	0.00	0.33	0.33	1,365
Vendor	0.01	0.41	0.19	< 0.005	< 0.005	0.11	0.11	< 0.005	0.03	0.03	398
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.07	0.93	0.00	0.00	0.26	0.26	0.00	0.06	0.06	226
Vendor	< 0.005	0.08	0.03	< 0.005	< 0.005	0.02	0.02	< 0.005	0.01	0.01	65.9
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.13. Paving (2029) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.41	3.63	16.3	0.03	0.09	—	0.09	0.09	—	0.09	2,649
Paving	0.07	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.41	3.63	16.3	0.03	0.09	—	0.09	0.09	—	0.09	2,649
Paving	0.07	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.16	1.42	6.38	0.01	0.04	—	0.04	0.04	—	0.04	1,038
Paving	0.03	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.03	0.26	1.16	< 0.005	0.01	—	0.01	0.01	—	0.01	172
Paving	0.01	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.33	0.30	5.27	0.00	0.00	1.31	1.31	0.00	0.31	0.31	1,301

Vendor	0.02	0.90	0.43	0.01	0.01	0.26	0.26	0.01	0.07	0.08	913
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.32	0.34	4.46	0.00	0.00	1.31	1.31	0.00	0.31	0.31	1,231
Vendor	0.02	0.94	0.44	0.01	0.01	0.26	0.26	0.01	0.07	0.08	911
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Worker	0.13	0.13	1.84	0.00	0.00	0.51	0.51	0.00	0.12	0.12	490
Vendor	0.01	0.37	0.17	< 0.005	< 0.005	0.10	0.10	< 0.005	0.03	0.03	357
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.33	0.00	0.00	0.09	0.09	0.00	0.02	0.02	81.1
Vendor	< 0.005	0.07	0.03	< 0.005	< 0.005	0.02	0.02	< 0.005	0.01	0.01	59.1
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.15. Architectural Coating (2029) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	12.5	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	12.5	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Average Daily	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	6.04	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	1.10	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

4. Operations Emissions Details

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Vegetation	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—

4.10.2. Above and Belowground Carbon Accumulation by Land Use Type - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Species	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—

5. Activity Data

5.1. Construction Schedule

Phase Name	Phase Type	Start Date	End Date	Days Per Week	Work Days per Phase	Phase Description
Demolition/Utility Relocation	Demolition	3/2/2027	4/12/2027	5.00	30.0	—
Grading/Shoring/Excavation	Grading	4/13/2027	6/21/2027	5.00	50.0	—
Building Foundation	Building Construction	6/22/2027	1/24/2028	5.00	155	—
Building Construction	Building Construction	1/13/2028	7/5/2029	5.00	386	—
Paving	Paving	2/15/2029	9/3/2029	5.00	143	—
Architectural Coating	Architectural Coating	1/1/2029	9/3/2029	5.00	176	—

5.2. Off-Road Equipment

5.2.1. Unmitigated

Phase Name	Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
Demolition/Utility Relocation	Air Compressors	Diesel	Tier 4 Final	2.00	8.00	37.0	0.48
Demolition/Utility Relocation	Excavators	Diesel	Tier 4 Final	2.00	8.00	158	0.38
Demolition/Utility Relocation	Generator Sets	Diesel	Average	1.00	8.00	14.0	0.74
Demolition/Utility Relocation	Other Construction Equipment	Diesel	Tier 4 Final	1.00	8.00	82.0	0.42
Demolition/Utility Relocation	Skid Steer Loaders	Diesel	Tier 4 Final	3.00	8.00	71.0	0.37
Demolition/Utility Relocation	Tractors/Loaders/Backhoes	Diesel	Tier 4 Final	3.00	8.00	84.0	0.37
Grading/Shoring/Excavation	Bore/Drill Rigs	Diesel	Tier 4 Final	2.00	8.00	83.0	0.50
Grading/Shoring/Excavation	Excavators	Diesel	Tier 4 Final	3.00	8.00	158	0.38

Grading/Shoring/Exca	Other Construction Equipment	Diesel	Tier 4 Final	1.00	8.00	82.0	0.42
Grading/Shoring/Excavation	Plate Compactors	Diesel	Average	2.00	8.00	8.00	0.43
Grading/Shoring/Excavation	Rollers	Diesel	Tier 4 Final	2.00	8.00	36.0	0.38
Grading/Shoring/Excavation	Rubber Tired Loaders	Diesel	Tier 4 Final	2.00	8.00	150	0.36
Grading/Shoring/Excavation	Skid Steer Loaders	Diesel	Tier 4 Final	2.00	8.00	71.0	0.37
Building Foundation	Air Compressors	Diesel	Tier 4 Final	2.00	8.00	37.0	0.48
Building Foundation	Cement and Mortar Mixers	Diesel	Average	1.00	8.00	10.0	0.56
Building Foundation	Concrete/Industrial Saws	Diesel	Tier 4 Final	3.00	8.00	33.0	0.73
Building Foundation	Cranes	Diesel	Tier 4 Final	1.00	8.00	367	0.29
Building Foundation	Cranes	Electric	Average	1.00	8.00	367	0.29
Building Foundation	Excavators	Diesel	Tier 4 Final	1.00	8.00	158	0.38
Building Foundation	Forklifts	Diesel	Tier 4 Final	2.00	8.00	82.0	0.20
Building Foundation	Pumps	Diesel	Average	2.00	8.00	11.0	0.74
Building Foundation	Plate Compactors	Diesel	Average	2.00	8.00	8.00	0.43
Building Foundation	Rough Terrain Forklifts	Diesel	Tier 4 Final	3.00	8.00	96.0	0.40
Building Foundation	Tractors/Loaders/Backhoes	Diesel	Tier 4 Final	2.00	8.00	84.0	0.37
Building Foundation	Welders	Diesel	Tier 4 Final	2.00	8.00	46.0	0.45
Building Construction	Aerial Lifts	Diesel	Tier 4 Final	3.00	8.00	46.0	0.31
Building Construction	Cranes	Electric	Average	1.00	8.00	367	0.29
Paving	Cranes	Diesel	Tier 4 Final	1.00	8.00	367	0.29
Paving	Other Construction Equipment	Diesel	Tier 4 Final	1.00	8.00	82.0	0.42
Paving	Paving Equipment	Diesel	Tier 4 Final	1.00	8.00	89.0	0.36
Paving	Plate Compactors	Diesel	Average	2.00	8.00	8.00	0.43

Paving	Rollers	Diesel	Tier 4 Final	2.00	8.00	36.0	0.38
Paving	Signal Boards	Diesel	Average	2.00	8.00	6.00	0.82
Paving	Tractors/Loaders/Backhoes	Diesel	Tier 4 Final	2.00	8.00	84.0	0.37

5.3. Construction Vehicles

5.3.1. Unmitigated

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix
Demolition/Utility Relocation	—	—	—	—
Demolition/Utility Relocation	Worker	40.0	18.5	LDA,LDT1,LDT2
Demolition/Utility Relocation	Vendor	4.00	10.2	HHDT,MHDT
Demolition/Utility Relocation	Hauling	20.0	25.0	HHDT
Demolition/Utility Relocation	Onsite truck	12.0	0.28	HHDT
Grading/Shoring/Excavation	—	—	—	—
Grading/Shoring/Excavation	Worker	80.0	18.5	LDA,LDT1,LDT2
Grading/Shoring/Excavation	Vendor	6.00	10.2	HHDT,MHDT
Grading/Shoring/Excavation	Hauling	240	25.0	HHDT
Grading/Shoring/Excavation	Onsite truck	123	0.28	HHDT
Building Foundation	—	—	—	—
Building Foundation	Worker	260	18.5	LDA,LDT1,LDT2
Building Foundation	Vendor	200	10.2	HHDT,MHDT
Building Foundation	Hauling	0.00	20.0	HHDT
Building Foundation	Onsite truck	0.00	0.00	HHDT
Paving	—	—	—	—
Paving	Worker	100	18.5	LDA,LDT1,LDT2
Paving	Vendor	30.0	10.2	HHDT,MHDT
Paving	Hauling	0.00	20.0	HHDT
Paving	Onsite truck	0.00	0.00	HHDT

Architectural Coating	—	—	—	—
Architectural Coating	Worker	0.00	18.5	LDA,LDT1,LDT2
Architectural Coating	Vendor	0.00	10.2	HHDT,MHDT
Architectural Coating	Hauling	0.00	20.0	HHDT
Architectural Coating	Onsite truck	0.00	0.00	HHDT
Building Construction	—	—	—	—
Building Construction	Worker	300	18.5	LDA,LDT1,LDT2
Building Construction	Vendor	36.0	10.2	HHDT,MHDT
Building Construction	Hauling	0.00	20.0	HHDT
Building Construction	Onsite truck	0.00	0.00	HHDT

5.4. Vehicles

5.4.1. Construction Vehicle Control Strategies

Control Strategies Applied	PM10 Reduction	PM2.5 Reduction
Water unpaved roads twice daily	55%	55%
Limit vehicle speeds on unpaved roads to 25 mph	44%	44%

5.5. Architectural Coatings

Phase Name	Residential Interior Area Coated (sq ft)	Residential Exterior Area Coated (sq ft)	Non-Residential Interior Area Coated (sq ft)	Non-Residential Exterior Area Coated (sq ft)	Parking Area Coated (sq ft)
Architectural Coating	681,415	227,138	9,600	1,440	10,562

5.6. Dust Mitigation

5.6.1. Construction Earthmoving Activities

Phase Name	Material Imported (Cubic Yards)	Material Exported (Cubic Yards)	Acres Graded (acres)	Material Demolished (Building Square Footage)	Acres Paved (acres)

Demolition/Utility Relocation	0.00	0.00	0.00	0.00	—
Grading/Shoring/Excavation	0.00	73,440	0.00	0.00	—
Paving	0.00	0.00	0.00	0.00	4.04

5.6.2. Construction Earthmoving Control Strategies

Control Strategies Applied	Frequency (per day)	PM10 Reduction	PM2.5 Reduction
Water Exposed Area	3	74%	74%
Water Demolished Area	2	36%	36%

5.7. Construction Paving

Land Use	Area Paved (acres)	% Asphalt
Apartments Mid Rise	—	0%
High Turnover (Sit Down Restaurant)	0.00	0%
Recreational Swimming Pool	0.00	0%
Enclosed Parking with Elevator	4.04	100%

5.8. Construction Electricity Consumption and Emissions Factors

kWh per Year and Emission Factor (lb/MWh)

Year	kWh per Year	CO2	CH4	N2O
2027	635	406	0.05	0.01
2028	1,270	386	0.05	0.01
2029	635	365	0.05	0.01

5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres

5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

Biomass Cover Type	Initial Acres	Final Acres

5.18.2. Sequestration

5.18.2.1. Unmitigated

Tree Type	Number	Electricity Saved (kWh/year)	Natural Gas Saved (btu/year)

6. Climate Risk Detailed Report

6.1. Climate Risk Summary

Cal-Adapt midcentury 2040–2059 average projections for four hazards are reported below for your project location. These are under Representation Concentration Pathway (RCP) 8.5 which assumes GHG emissions will continue to rise strongly through 2050 and then plateau around 2100.

Climate Hazard	Result for Project Location	Unit
Temperature and Extreme Heat	9.52	annual days of extreme heat
Extreme Precipitation	6.15	annual days with precipitation above 20 mm
Sea Level Rise	—	meters of inundation depth
Wildfire	0.00	annual hectares burned

Temperature and Extreme Heat data are for grid cell in which your project are located. The projection is based on the 98th historical percentile of daily maximum/minimum temperatures from observed historical data (32 climate model ensemble from Cal-Adapt, 2040–2059 average under RCP 8.5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.
Extreme Precipitation data are for the grid cell in which your project are located. The threshold of 20 mm is equivalent to about ¾ an inch of rain, which would be light to moderate rainfall if received over a full day or heavy rain if received over a period of 2 to 4 hours. Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.
Sea Level Rise data are for the grid cell in which your project are located. The projections are from Radke et al. (2017), as reported in Cal-Adapt (Radke et al., 2017, CEC-500-2017-008), and consider inundation location and depth for the San Francisco Bay, the Sacramento-San Joaquin River Delta and California coast resulting different increments of sea level rise coupled with extreme storm events. Users may select from four scenarios to view the range in potential inundation depth for the grid cell. The four scenarios are: No rise, 0.5 meter, 1.0 meter, 1.41 meters

Wildfire data are for the grid cell in which your project are located. The projections are from UC Davis, as reported in Cal-Adapt (2040–2059 average under RCP 8.5), and consider historical data of climate, vegetation, population density, and large (> 400 ha) fire history. Users may select from four model simulations to view the range in potential wildfire probabilities for the grid cell. The four simulations make different assumptions about expected rainfall and temperature are: Warmer/drier (HadGEM2-ES), Cooler/wetter (CNRM-CM5), Average conditions (CanESM2), Range of different rainfall and temperature possibilities (MIROC5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.

6.2. Initial Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	N/A	N/A	N/A	N/A
Extreme Precipitation	N/A	N/A	N/A	N/A
Sea Level Rise	N/A	N/A	N/A	N/A
Wildfire	N/A	N/A	N/A	N/A
Flooding	N/A	N/A	N/A	N/A
Drought	N/A	N/A	N/A	N/A
Snowpack Reduction	N/A	N/A	N/A	N/A
Air Quality Degradation	N/A	N/A	N/A	N/A

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.
The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.
The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores do not include implementation of climate risk reduction measures.

6.3. Adjusted Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	N/A	N/A	N/A	N/A
Extreme Precipitation	N/A	N/A	N/A	N/A
Sea Level Rise	N/A	N/A	N/A	N/A
Wildfire	N/A	N/A	N/A	N/A
Flooding	N/A	N/A	N/A	N/A
Drought	N/A	N/A	N/A	N/A
Snowpack Reduction	N/A	N/A	N/A	N/A
Air Quality Degradation	N/A	N/A	N/A	N/A

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.
The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.
The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores include implementation of climate risk reduction measures.

6.4. Climate Risk Reduction Measures

7. Health and Equity Details

7.1. CalEnviroScreen 4.0 Scores

The maximum CalEnviroScreen score is 100. A high score (i.e., greater than 50) reflects a higher pollution burden compared to other census tracts in the state.

Indicator	Result for Project Census Tract
Exposure Indicators	—
AQ-Ozone	50.5
AQ-PM	89.2
AQ-DPM	95.5
Drinking Water	92.5
Lead Risk Housing	71.6
Pesticides	0.00
Toxic Releases	82.2
Traffic	85.9
Effect Indicators	—
CleanUp Sites	97.2
Groundwater	78.1
Haz Waste Facilities/Generators	98.8
Impaired Water Bodies	66.7
Solid Waste	96.0
Sensitive Population	—
Asthma	97.7

Cardio-vascular	65.1
Low Birth Weights	71.6
Socioeconomic Factor Indicators	—
Education	74.4
Housing	68.5
Linguistic	91.8
Poverty	75.4
Unemployment	79.7

7.2. Healthy Places Index Scores

The maximum Health Places Index score is 100. A high score (i.e., greater than 50) reflects healthier community conditions compared to other census tracts in the state.

Indicator	Result for Project Census Tract
Economic	—
Above Poverty	10.5350956
Employed	49.30065443
Median HI	4.273065572
Education	—
Bachelor's or higher	63.26190171
High school enrollment	100
Preschool enrollment	95.7141024
Transportation	—
Auto Access	1.180546644
Active commuting	97.42076222
Social	—
2-parent households	4.119081227
Voting	13.0373412
Neighborhood	—
Alcohol availability	9.5983575

Park access	81.35506224
Retail density	43.6160657
Supermarket access	82.8564096
Tree canopy	14.50019248
Housing	—
Homeownership	6.723983062
Housing habitability	0.166816374
Low-inc homeowner severe housing cost burden	1.475683306
Low-inc renter severe housing cost burden	66.38008469
Uncrowded housing	6.300526113
Health Outcomes	—
Insured adults	5.902733222
Arthritis	53.0
Asthma ER Admissions	1.4
High Blood Pressure	12.0
Cancer (excluding skin)	82.6
Asthma	21.6
Coronary Heart Disease	15.5
Chronic Obstructive Pulmonary Disease	14.4
Diagnosed Diabetes	11.3
Life Expectancy at Birth	5.1
Cognitively Disabled	13.7
Physically Disabled	6.4
Heart Attack ER Admissions	46.0
Mental Health Not Good	14.9
Chronic Kidney Disease	20.1
Obesity	9.6
Pedestrian Injuries	100.0

Physical Health Not Good	12.4
Stroke	13.0
Health Risk Behaviors	—
Binge Drinking	60.3
Current Smoker	7.4
No Leisure Time for Physical Activity	24.7
Climate Change Exposures	—
Wildfire Risk	0.0
SLR Inundation Area	0.0
Children	76.4
Elderly	97.3
English Speaking	7.7
Foreign-born	75.6
Outdoor Workers	46.0
Climate Change Adaptive Capacity	—
Impervious Surface Cover	0.0
Traffic Density	90.2
Traffic Access	87.4
Other Indices	—
Hardship	82.8
Other Decision Support	—
2016 Voting	5.0

7.3. Overall Health & Equity Scores

Metric	Result for Project Census Tract
CalEnviroScreen 4.0 Score for Project Location (a)	100
Healthy Places Index Score for Project Location (b)	14.0
Project Located in a Designated Disadvantaged Community (Senate Bill 535)	Yes

Project Located in a Low-Income Community (Assembly Bill 1550)	Yes
Project Located in a Community Air Protection Program Community (Assembly Bill 617)	No

a: The maximum CalEnviroScreen score is 100. A high score (i.e., greater than 50) reflects a higher pollution burden compared to other census tracts in the state.
b: The maximum Health Places Index score is 100. A high score (i.e., greater than 50) reflects healthier community conditions compared to other census tracts in the state.

7.4. Health & Equity Measures

No Health & Equity Measures selected.

7.5. Evaluation Scorecard

Health & Equity Evaluation Scorecard not completed.

7.6. Health & Equity Custom Measures

No Health & Equity Custom Measures created.

8. User Changes to Default Data

Screen	Justification
Construction: Construction Phases	see construction assumptions
Construction: Off-Road Equipment	see construction assumptions
Construction: Trips and VMT	see construction assumptions
Construction: On-Road Fugitive Dust	see construction assumptions
Construction: Electricity	Carbon intensity for construction years
Land Use	Project Specific

DTLA Row - Construction South Lot Building B Detailed Report

Table of Contents

1. Basic Project Information

1.1. Basic Project Information

1.2. Land Use Types

1.3. User-Selected Emission Reduction Measures by Emissions Sector

2. Emissions Summary

2.1. Construction Emissions Compared Against Thresholds

2.2. Construction Emissions by Year, Unmitigated

3. Construction Emissions Details

3.1. Demolition/Utility Relocation (2026) - Unmitigated

3.3. Grading/Shoring/Excavation (2026) - Unmitigated

3.5. Building Foundation (2026) - Unmitigated

3.7. Building Foundation (2027) - Unmitigated

3.9. Building Construction (2027) - Unmitigated

3.11. Building Construction (2028) - Unmitigated

3.13. Paving (2028) - Unmitigated

3.15. Architectural Coating (2028) - Unmitigated

4. Operations Emissions Details

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

4.10.2. Above and Belowground Carbon Accumulation by Land Use Type - Unmitigated

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

5. Activity Data

5.1. Construction Schedule

5.2. Off-Road Equipment

5.2.1. Unmitigated

5.3. Construction Vehicles

5.3.1. Unmitigated

5.4. Vehicles

5.4.1. Construction Vehicle Control Strategies

5.5. Architectural Coatings

5.6. Dust Mitigation

5.6.1. Construction Earthmoving Activities

5.6.2. Construction Earthmoving Control Strategies

5.7. Construction Paving

5.8. Construction Electricity Consumption and Emissions Factors

5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

5.18.2. Sequestration

5.18.2.1. Unmitigated

6. Climate Risk Detailed Report

6.1. Climate Risk Summary

6.2. Initial Climate Risk Scores

6.3. Adjusted Climate Risk Scores

6.4. Climate Risk Reduction Measures

7. Health and Equity Details

7.1. CalEnviroScreen 4.0 Scores

7.2. Healthy Places Index Scores

7.3. Overall Health & Equity Scores

7.4. Health & Equity Measures

7.5. Evaluation Scorecard

7.6. Health & Equity Custom Measures

8. User Changes to Default Data

1. Basic Project Information

1.1. Basic Project Information

Data Field	Value
Project Name	DTLA Row - Construction South Lot Building B
Construction Start Date	6/2/2026
Lead Agency	—
Land Use Scale	Project/site
Analysis Level for Defaults	County
Windspeed (m/s)	0.50
Precipitation (days)	18.4
Location	34.032905802980835, -118.23935798232272
County	Los Angeles-South Coast
City	Los Angeles
Air District	South Coast AQMD
Air Basin	South Coast
TAZ	4066
EDFZ	16
Electric Utility	Los Angeles Department of Water & Power
Gas Utility	Southern California Gas
App Version	2022.1.1.29

1.2. Land Use Types

Land Use Subtype	Size	Unit	Lot Acreage	Building Area (sq ft)	Landscape Area (sq ft)	Special Landscape Area (sq ft)	Population	Description
Apartments Mid Rise	214	Dwelling Unit	1.01	182,605	6,957	0.00	633	—

Recreational Swimming Pool	0.40	1000sqft	0.00	397	0.00	0.00	—	—
Enclosed Parking with Elevator	204	Space	1.84	81,600	0.00	0.00	—	—

1.3. User-Selected Emission Reduction Measures by Emissions Sector

No measures selected

2. Emissions Summary

2.1. Construction Emissions Compared Against Thresholds

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Un/Mit.	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Unmit.	9.30	39.0	58.6	0.21	0.44	20.3	20.7	0.43	3.27	3.70	30,427
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Unmit.	9.29	18.9	54.8	0.09	0.21	7.17	7.35	0.18	1.75	1.93	16,240
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—
Unmit.	3.78	8.24	16.2	0.04	0.10	3.20	3.30	0.09	0.63	0.68	6,237
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—
Unmit.	0.69	1.50	2.95	0.01	0.02	0.58	0.60	0.02	0.12	0.12	1,033

2.2. Construction Emissions by Year, Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Year	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—

2026	1.52	39.0	53.8	0.21	0.44	20.3	20.7	0.43	3.27	3.70	30,427
2027	2.39	18.3	58.6	0.09	0.19	7.17	7.35	0.18	1.75	1.93	16,563
2028	9.30	7.51	36.4	0.04	0.11	4.75	4.86	0.11	1.14	1.24	9,098
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
2026	1.47	15.5	40.8	0.08	0.21	3.72	3.93	0.17	0.93	1.10	11,890
2027	2.35	18.9	54.8	0.09	0.19	7.17	7.35	0.18	1.75	1.93	16,240
2028	9.29	7.75	33.7	0.04	0.11	4.75	4.86	0.11	1.14	1.24	8,867
Average Daily	—	—	—	—	—	—	—	—	—	—	—
2026	0.49	8.24	15.0	0.04	0.10	3.20	3.30	0.09	0.59	0.68	6,237
2027	0.79	4.86	16.2	0.02	0.04	2.62	2.66	0.04	0.63	0.67	4,740
2028	3.78	2.68	12.0	0.02	0.04	1.52	1.56	0.04	0.36	0.40	3,055
Annual	—	—	—	—	—	—	—	—	—	—	—
2026	0.09	1.50	2.74	0.01	0.02	0.58	0.60	0.02	0.11	0.12	1,033
2027	0.14	0.89	2.95	< 0.005	0.01	0.48	0.49	0.01	0.12	0.12	785
2028	0.69	0.49	2.18	< 0.005	0.01	0.28	0.29	0.01	0.07	0.07	506

3. Construction Emissions Details

3.1. Demolition/Utility Relocation (2026) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.35	5.63	14.7	0.02	0.07	—	0.07	0.07	—	0.07	2,127
Demolition	—	—	—	—	—	0.00	0.00	—	0.00	0.00	—
Onsite truck	0.01	0.18	0.13	< 0.005	< 0.005	0.84	0.84	< 0.005	0.08	0.08	33.0

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.04	0.63	1.65	< 0.005	0.01	—	0.01	0.01	—	0.01	239
Demolition	—	—	—	—	—	0.00	0.00	—	0.00	0.00	—
Onsite truck	< 0.005	0.02	0.01	< 0.005	< 0.005	0.09	0.09	< 0.005	0.01	0.01	3.72
Annual	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.12	0.30	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	39.6
Demolition	—	—	—	—	—	0.00	0.00	—	0.00	0.00	—
Onsite truck	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	< 0.005	0.62
Offsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.15	0.16	2.58	0.00	0.00	0.52	0.52	0.00	0.12	0.12	550
Vendor	< 0.005	0.14	0.07	< 0.005	< 0.005	0.03	0.04	< 0.005	0.01	0.01	130
Hauling	0.02	1.98	0.75	0.01	0.02	0.46	0.49	0.02	0.13	0.15	1,779
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.26	0.00	0.00	0.06	0.06	0.00	0.01	0.01	59.4
Vendor	< 0.005	0.02	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	14.6
Hauling	< 0.005	0.23	0.08	< 0.005	< 0.005	0.05	0.05	< 0.005	0.01	0.02	200
Annual	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.05	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	9.83
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	2.42
Hauling	< 0.005	0.04	0.02	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	33.0

3.3. Grading/Shoring/Excavation (2026) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.39	4.85	21.2	0.03	0.08	—	0.08	0.07	—	0.07	3,035
Dust From Material Movement	—	—	—	—	—	< 0.005	< 0.005	—	< 0.005	< 0.005	—
Onsite truck	0.08	1.84	1.35	< 0.005	< 0.005	12.0	12.0	< 0.005	1.20	1.20	341
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.05	0.61	2.67	< 0.005	0.01	—	0.01	0.01	—	0.01	382
Dust From Material Movement	—	—	—	—	—	< 0.005	< 0.005	—	< 0.005	< 0.005	—
Onsite truck	0.01	0.24	0.17	< 0.005	< 0.005	1.43	1.43	< 0.005	0.14	0.14	43.2
Annual	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.11	0.49	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	63.3
Dust From Material Movement	—	—	—	—	—	< 0.005	< 0.005	—	< 0.005	< 0.005	—
Onsite truck	< 0.005	0.04	0.03	< 0.005	< 0.005	0.26	0.26	< 0.005	0.03	0.03	7.15
Offsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.22	0.23	3.88	0.00	0.00	0.78	0.78	0.00	0.18	0.18	825
Vendor	0.01	0.27	0.13	< 0.005	< 0.005	0.07	0.07	< 0.005	0.02	0.02	261
Hauling	0.29	23.7	9.03	0.14	0.26	5.56	5.83	0.26	1.52	1.79	21,346

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Worker	0.03	0.04	0.44	0.00	0.00	0.10	0.10	0.00	0.02	0.02	99.9
Vendor	< 0.005	0.04	0.02	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	32.8
Hauling	0.04	3.15	1.14	0.02	0.03	0.69	0.73	0.03	0.19	0.22	2,687
Annual	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.08	0.00	0.00	0.02	0.02	0.00	< 0.005	< 0.005	16.5
Vendor	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	5.44
Hauling	0.01	0.57	0.21	< 0.005	0.01	0.13	0.13	0.01	0.03	0.04	445

3.5. Building Foundation (2026) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.67	9.01	28.2	0.05	0.14	—	0.14	0.13	—	0.13	4,342
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.67	9.01	28.2	0.05	0.14	—	0.14	0.13	—	0.13	4,342
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.14	1.87	5.85	0.01	0.03	—	0.03	0.03	—	0.03	901
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	0.03	0.34	1.07	< 0.005	0.01	—	0.01	0.01	—	0.01	149
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.66	0.70	11.6	0.00	0.00	2.35	2.35	0.00	0.55	0.55	2,475
Vendor	0.15	5.50	2.66	0.04	0.07	1.37	1.44	0.04	0.38	0.41	5,219
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.66	0.78	9.92	0.00	0.00	2.35	2.35	0.00	0.55	0.55	2,340
Vendor	0.14	5.75	2.72	0.04	0.07	1.37	1.44	0.04	0.38	0.41	5,209
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Worker	0.14	0.18	2.15	0.00	0.00	0.48	0.48	0.00	0.11	0.11	493
Vendor	0.03	1.20	0.56	0.01	0.01	0.28	0.30	0.01	0.08	0.09	1,081
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.03	0.39	0.00	0.00	0.09	0.09	0.00	0.02	0.02	81.7
Vendor	0.01	0.22	0.10	< 0.005	< 0.005	0.05	0.05	< 0.005	0.01	0.02	179
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.7. Building Foundation (2027) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	0.67	9.01	28.2	0.05	0.14	—	0.14	0.13	—	0.13	4,341
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.67	9.01	28.2	0.05	0.14	—	0.14	0.13	—	0.13	4,341
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.12	1.62	5.08	0.01	0.02	—	0.02	0.02	—	0.02	782
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.30	0.93	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	129
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.64	0.62	10.8	0.00	0.00	2.35	2.35	0.00	0.55	0.55	2,427
Vendor	0.15	5.27	2.51	0.04	0.04	1.37	1.40	0.04	0.38	0.41	5,111
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.63	0.78	9.16	0.00	0.00	2.35	2.35	0.00	0.55	0.55	2,294
Vendor	0.14	5.48	2.57	0.04	0.04	1.37	1.40	0.04	0.38	0.41	5,101
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Worker	0.11	0.14	1.73	0.00	0.00	0.42	0.42	0.00	0.10	0.10	420
Vendor	0.03	0.99	0.46	0.01	0.01	0.24	0.25	0.01	0.07	0.07	919
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Annual	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.03	0.32	0.00	0.00	0.08	0.08	0.00	0.02	0.02	69.5
Vendor	< 0.005	0.18	0.08	< 0.005	< 0.005	0.04	0.05	< 0.005	0.01	0.01	152
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.9. Building Construction (2027) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.05	1.38	2.06	< 0.005	0.01	—	0.01	0.01	—	0.01	296
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.05	1.38	2.06	< 0.005	0.01	—	0.01	0.01	—	0.01	296
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.03	0.80	1.19	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	170
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	0.15	0.22	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	28.2
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.85	0.83	14.4	0.00	0.00	3.14	3.14	0.00	0.74	0.74	3,237

Vendor	0.03	1.18	0.56	0.01	0.01	0.31	0.32	0.01	0.09	0.09	1,150
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.84	1.03	12.2	0.00	0.00	3.14	3.14	0.00	0.74	0.74	3,059
Vendor	0.03	1.23	0.58	0.01	0.01	0.31	0.32	0.01	0.09	0.09	1,148
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Worker	0.48	0.60	7.39	0.00	0.00	1.78	1.78	0.00	0.42	0.42	1,788
Vendor	0.02	0.71	0.33	< 0.005	< 0.005	0.18	0.18	< 0.005	0.05	0.05	661
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—
Worker	0.09	0.11	1.35	0.00	0.00	0.33	0.33	0.00	0.08	0.08	296
Vendor	< 0.005	0.13	0.06	< 0.005	< 0.005	0.03	0.03	< 0.005	0.01	0.01	109
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.11. Building Construction (2028) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.05	1.38	2.06	< 0.005	0.01	—	0.01	0.01	—	0.01	296
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.05	1.38	2.06	< 0.005	0.01	—	0.01	0.01	—	0.01	296
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Average Daily	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.42	0.63	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	89.9
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	0.08	0.11	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	14.9
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.82	0.82	13.5	0.00	0.00	3.14	3.14	0.00	0.74	0.74	3,176
Vendor	0.03	1.13	0.55	0.01	0.01	0.31	0.32	0.01	0.09	0.09	1,124
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.81	0.93	11.5	0.00	0.00	3.14	3.14	0.00	0.74	0.74	3,005
Vendor	0.02	1.18	0.55	0.01	0.01	0.31	0.32	0.01	0.09	0.09	1,122
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Worker	0.25	0.28	3.65	0.00	0.00	0.94	0.94	0.00	0.22	0.22	926
Vendor	0.01	0.36	0.16	< 0.005	< 0.005	0.09	0.09	< 0.005	0.03	0.03	341
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.05	0.67	0.00	0.00	0.17	0.17	0.00	0.04	0.04	153
Vendor	< 0.005	0.07	0.03	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	0.01	56.4
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.13. Paving (2028) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.39	2.96	15.3	0.02	0.09	—	0.09	0.09	—	0.09	2,507
Paving	0.03	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.39	2.96	15.3	0.02	0.09	—	0.09	0.09	—	0.09	2,507
Paving	0.03	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.15	1.13	5.82	0.01	0.03	—	0.03	0.03	—	0.03	955
Paving	0.01	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.03	0.21	1.06	< 0.005	0.01	—	0.01	0.01	—	0.01	158
Paving	< 0.005	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.27	0.27	4.51	0.00	0.00	1.05	1.05	0.00	0.25	0.25	1,059
Vendor	0.02	0.94	0.45	0.01	0.01	0.26	0.26	0.01	0.07	0.08	936
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.27	0.31	3.84	0.00	0.00	1.05	1.05	0.00	0.25	0.25	1,002
Vendor	0.02	0.98	0.46	0.01	0.01	0.26	0.26	0.01	0.07	0.08	935
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Worker	0.10	0.12	1.53	0.00	0.00	0.39	0.39	0.00	0.09	0.09	387
Vendor	0.01	0.38	0.17	< 0.005	< 0.005	0.10	0.10	< 0.005	0.03	0.03	356
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.28	0.00	0.00	0.07	0.07	0.00	0.02	0.02	64.2
Vendor	< 0.005	0.07	0.03	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	0.01	59.0
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.15. Architectural Coating (2028) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	7.69	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	7.69	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—

Architectural Coatings	3.24	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.59	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

4. Operations Emissions Details

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Vegetation	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—

4.10.2. Above and Belowground Carbon Accumulation by Land Use Type - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Species	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—

5. Activity Data

5.1. Construction Schedule

Phase Name	Phase Type	Start Date	End Date	Days Per Week	Work Days per Phase	Phase Description
Demolition/Utility Relocation	Demolition	6/2/2026	7/28/2026	5.00	41.0	—
Grading/Shoring/Excavation	Grading	7/15/2026	9/16/2026	5.00	46.0	—
Building Foundation	Building Construction	9/17/2026	4/2/2027	5.00	142	—
Building Construction	Building Construction	3/13/2027	6/3/2028	5.00	320	—
Paving	Paving	1/22/2028	8/3/2028	5.00	139	—
Architectural Coating	Architectural Coating	1/1/2028	8/3/2028	5.00	154	—

5.2. Off-Road Equipment

5.2.1. Unmitigated

Phase Name	Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
Demolition/Utility Relocation	Air Compressors	Diesel	Tier 4 Final	2.00	8.00	37.0	0.48
Demolition/Utility Relocation	Excavators	Diesel	Tier 4 Final	1.00	8.00	158	0.38
Demolition/Utility Relocation	Generator Sets	Diesel	Average	1.00	8.00	14.0	0.74
Demolition/Utility Relocation	Other Construction Equipment	Diesel	Tier 4 Final	1.00	8.00	82.0	0.42
Demolition/Utility Relocation	Skid Steer Loaders	Diesel	Tier 4 Final	2.00	8.00	71.0	0.37
Demolition/Utility Relocation	Tractors/Loaders/Backhoes	Diesel	Tier 4 Final	1.00	8.00	84.0	0.37
Grading/Shoring/Excavation	Bore/Drill Rigs	Diesel	Tier 4 Final	1.00	8.00	83.0	0.50
Grading/Shoring/Excavation	Excavators	Diesel	Tier 4 Final	2.00	8.00	158	0.38

Grading/Shoring/Exca	Other Construction Equipment	Diesel	Tier 4 Final	1.00	8.00	82.0	0.42
Grading/Shoring/Excavation	Plate Compactors	Diesel	Average	2.00	8.00	8.00	0.43
Grading/Shoring/Excavation	Rollers	Diesel	Tier 4 Final	1.00	8.00	36.0	0.38
Grading/Shoring/Excavation	Rubber Tired Loaders	Diesel	Tier 4 Final	1.00	8.00	150	0.36
Grading/Shoring/Excavation	Skid Steer Loaders	Diesel	Tier 4 Final	2.00	8.00	71.0	0.37
Building Foundation	Air Compressors	Diesel	Tier 4 Final	2.00	8.00	37.0	0.48
Building Foundation	Cement and Mortar Mixers	Diesel	Average	1.00	8.00	10.0	0.56
Building Foundation	Concrete/Industrial Saws	Diesel	Tier 4 Final	2.00	8.00	33.0	0.73
Building Foundation	Cranes	Diesel	Tier 4 Final	1.00	8.00	367	0.29
Building Foundation	Excavators	Diesel	Tier 4 Final	1.00	8.00	158	0.38
Building Foundation	Forklifts	Diesel	Tier 4 Final	2.00	8.00	82.0	0.20
Building Foundation	Pumps	Diesel	Average	1.00	8.00	11.0	0.74
Building Foundation	Plate Compactors	Diesel	Average	2.00	8.00	8.00	0.43
Building Foundation	Rough Terrain Forklifts	Diesel	Tier 4 Final	2.00	8.00	96.0	0.40
Building Foundation	Tractors/Loaders/Backhoes	Diesel	Tier 4 Final	1.00	8.00	84.0	0.37
Building Foundation	Welders	Diesel	Tier 4 Final	2.00	8.00	46.0	0.45
Building Construction	Aerial Lifts	Diesel	Tier 4 Final	2.00	8.00	46.0	0.31
Paving	Cranes	Diesel	Tier 4 Final	1.00	8.00	367	0.29
Paving	Other Construction Equipment	Diesel	Tier 4 Final	1.00	8.00	82.0	0.42
Paving	Paving Equipment	Diesel	Tier 4 Final	1.00	8.00	89.0	0.36
Paving	Plate Compactors	Diesel	Average	2.00	8.00	8.00	0.43
Paving	Rollers	Diesel	Tier 4 Final	1.00	8.00	36.0	0.38
Paving	Signal Boards	Diesel	Average	2.00	8.00	6.00	0.82

Paving	Tractors/Loaders/Back	Diesel	Tier 4 Final	2.00	8.00	84.0	0.37

5.3. Construction Vehicles

5.3.1. Unmitigated

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix
Demolition/Utility Relocation	—	—	—	—
Demolition/Utility Relocation	Worker	40.0	18.5	LDA,LDT1,LDT2
Demolition/Utility Relocation	Vendor	4.00	10.2	HHDT,MHDT
Demolition/Utility Relocation	Hauling	20.0	25.0	HHDT
Demolition/Utility Relocation	Onsite truck	12.0	0.28	HHDT
Grading/Shoring/Excavation	—	—	—	—
Grading/Shoring/Excavation	Worker	60.0	18.5	LDA,LDT1,LDT2
Grading/Shoring/Excavation	Vendor	8.00	10.2	HHDT,MHDT
Grading/Shoring/Excavation	Hauling	240	25.0	HHDT
Grading/Shoring/Excavation	Onsite truck	124	0.28	HHDT
Building Foundation	—	—	—	—
Building Foundation	Worker	180	18.5	LDA,LDT1,LDT2
Building Foundation	Vendor	160	10.2	HHDT,MHDT
Building Foundation	Hauling	0.00	20.0	HHDT
Building Foundation	Onsite truck	0.00	0.00	HHDT
Paving	—	—	—	—
Paving	Worker	80.0	18.5	LDA,LDT1,LDT2
Paving	Vendor	30.0	10.2	HHDT,MHDT
Paving	Hauling	0.00	20.0	HHDT
Paving	Onsite truck	0.00	0.00	HHDT
Architectural Coating	—	—	—	—
Architectural Coating	Worker	0.00	18.5	LDA,LDT1,LDT2

Architectural Coating	Vendor	0.00	10.2	HHDT,MHDT
Architectural Coating	Hauling	0.00	20.0	HHDT
Architectural Coating	Onsite truck	0.00	0.00	HHDT
Building Construction	—	—	—	—
Building Construction	Worker	240	18.5	LDA,LDT1,LDT2
Building Construction	Vendor	36.0	10.2	HHDT,MHDT
Building Construction	Hauling	0.00	20.0	HHDT
Building Construction	Onsite truck	0.00	0.00	HHDT

5.4. Vehicles

5.4.1. Construction Vehicle Control Strategies

Control Strategies Applied	PM10 Reduction	PM2.5 Reduction
Water unpaved roads twice daily	55%	55%
Limit vehicle speeds on unpaved roads to 25 mph	44%	44%

5.5. Architectural Coatings

Phase Name	Residential Interior Area Coated (sq ft)	Residential Exterior Area Coated (sq ft)	Non-Residential Interior Area Coated (sq ft)	Non-Residential Exterior Area Coated (sq ft)	Parking Area Coated (sq ft)
Architectural Coating	369,775	123,258	3,599	400	4,799

5.6. Dust Mitigation

5.6.1. Construction Earthmoving Activities

Phase Name	Material Imported (Cubic Yards)	Material Exported (Cubic Yards)	Acres Graded (acres)	Material Demolished (Building Square Footage)	Acres Paved (acres)
Demolition/Utility Relocation	0.00	0.00	0.00	0.00	—
Grading/Shoring/Excavation	0.00	42,960	0.00	0.00	—

Paving	0.00	0.00	0.00	0.00	1.84

5.6.2. Construction Earthmoving Control Strategies

Control Strategies Applied	Frequency (per day)	PM10 Reduction	PM2.5 Reduction
Water Exposed Area	3	74%	74%
Water Demolished Area	2	36%	36%

5.7. Construction Paving

Land Use	Area Paved (acres)	% Asphalt
Apartments Mid Rise	—	0%
Recreational Swimming Pool	0.00	0%
Enclosed Parking with Elevator	1.84	100%

5.8. Construction Electricity Consumption and Emissions Factors

kWh per Year and Emission Factor (lb/MWh)

Year	kWh per Year	CO2	CH4	N2O
2027	0.00	690	0.05	0.01
2028	0.00	690	0.05	0.01
2026	0.00	690	0.05	0.01

5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres

5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

Biomass Cover Type	Initial Acres	Final Acres

5.18.2. Sequestration

5.18.2.1. Unmitigated

Tree Type	Number	Electricity Saved (kWh/year)	Natural Gas Saved (btu/year)

6. Climate Risk Detailed Report

6.1. Climate Risk Summary

Cal-Adapt midcentury 2040–2059 average projections for four hazards are reported below for your project location. These are under Representation Concentration Pathway (RCP) 8.5 which assumes GHG emissions will continue to rise strongly through 2050 and then plateau around 2100.

Climate Hazard	Result for Project Location	Unit
Temperature and Extreme Heat	9.52	annual days of extreme heat
Extreme Precipitation	6.15	annual days with precipitation above 20 mm
Sea Level Rise	—	meters of inundation depth
Wildfire	0.00	annual hectares burned

Temperature and Extreme Heat data are for grid cell in which your project are located. The projection is based on the 98th historical percentile of daily maximum/minimum temperatures from observed historical data (32 climate model ensemble from Cal-Adapt, 2040–2059 average under RCP 8.5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.
Extreme Precipitation data are for the grid cell in which your project are located. The threshold of 20 mm is equivalent to about ¾ an inch of rain, which would be light to moderate rainfall if received over a full day or heavy rain if received over a period of 2 to 4 hours. Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.
Sea Level Rise data are for the grid cell in which your project are located. The projections are from Radke et al. (2017), as reported in Cal-Adapt (Radke et al., 2017, CEC-500-2017-008), and consider inundation location and depth for the San Francisco Bay, the Sacramento-San Joaquin River Delta and California coast resulting different increments of sea level rise coupled with extreme storm events. Users may select from four scenarios to view the range in potential inundation depth for the grid cell. The four scenarios are: No rise, 0.5 meter, 1.0 meter, 1.41 meters
Wildfire data are for the grid cell in which your project are located. The projections are from UC Davis, as reported in Cal-Adapt (2040–2059 average under RCP 8.5), and consider historical data of climate, vegetation, population density, and large (> 400 ha) fire history. Users may select from four model simulations to view the range in potential wildfire probabilities for the grid cell. The four simulations make different assumptions about expected rainfall and temperature are: Warmer/drier (HadGEM2-ES), Cooler/wetter (CNRM-CM5), Average conditions (CanESM2), Range of different rainfall and temperature possibilities (MIROC5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.

6.2. Initial Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	N/A	N/A	N/A	N/A
Extreme Precipitation	N/A	N/A	N/A	N/A
Sea Level Rise	N/A	N/A	N/A	N/A
Wildfire	N/A	N/A	N/A	N/A
Flooding	N/A	N/A	N/A	N/A
Drought	N/A	N/A	N/A	N/A
Snowpack Reduction	N/A	N/A	N/A	N/A
Air Quality Degradation	N/A	N/A	N/A	N/A

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.
The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.
The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores do not include implementation of climate risk reduction measures.

6.3. Adjusted Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	N/A	N/A	N/A	N/A
Extreme Precipitation	N/A	N/A	N/A	N/A
Sea Level Rise	N/A	N/A	N/A	N/A
Wildfire	N/A	N/A	N/A	N/A
Flooding	N/A	N/A	N/A	N/A
Drought	N/A	N/A	N/A	N/A
Snowpack Reduction	N/A	N/A	N/A	N/A
Air Quality Degradation	N/A	N/A	N/A	N/A

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.

The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.
The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores include implementation of climate risk reduction measures.

6.4. Climate Risk Reduction Measures

7. Health and Equity Details

7.1. CalEnviroScreen 4.0 Scores

The maximum CalEnviroScreen score is 100. A high score (i.e., greater than 50) reflects a higher pollution burden compared to other census tracts in the state.

Indicator	Result for Project Census Tract
Exposure Indicators	—
AQ-Ozone	50.5
AQ-PM	89.2
AQ-DPM	95.5
Drinking Water	92.5
Lead Risk Housing	71.6
Pesticides	0.00
Toxic Releases	82.2
Traffic	85.9
Effect Indicators	—
CleanUp Sites	97.2
Groundwater	78.1
Haz Waste Facilities/Generators	98.8
Impaired Water Bodies	66.7
Solid Waste	96.0
Sensitive Population	—
Asthma	97.7
Cardio-vascular	65.1
Low Birth Weights	71.6

Socioeconomic Factor Indicators	—
Education	74.4
Housing	68.5
Linguistic	91.8
Poverty	75.4
Unemployment	79.7

7.2. Healthy Places Index Scores

The maximum Health Places Index score is 100. A high score (i.e., greater than 50) reflects healthier community conditions compared to other census tracts in the state.

Indicator	Result for Project Census Tract
Economic	—
Above Poverty	10.5350956
Employed	49.30065443
Median HI	4.273065572
Education	—
Bachelor's or higher	63.26190171
High school enrollment	100
Preschool enrollment	95.7141024
Transportation	—
Auto Access	1.180546644
Active commuting	97.42076222
Social	—
2-parent households	4.119081227
Voting	13.0373412
Neighborhood	—
Alcohol availability	9.5983575
Park access	81.35506224
Retail density	43.6160657

Supermarket access	82.8564096
Tree canopy	14.50019248
Housing	—
Homeownership	6.723983062
Housing habitability	0.166816374
Low-inc homeowner severe housing cost burden	1.475683306
Low-inc renter severe housing cost burden	66.38008469
Uncrowded housing	6.300526113
Health Outcomes	—
Insured adults	5.902733222
Arthritis	53.0
Asthma ER Admissions	1.4
High Blood Pressure	12.0
Cancer (excluding skin)	82.6
Asthma	21.6
Coronary Heart Disease	15.5
Chronic Obstructive Pulmonary Disease	14.4
Diagnosed Diabetes	11.3
Life Expectancy at Birth	5.1
Cognitively Disabled	13.7
Physically Disabled	6.4
Heart Attack ER Admissions	46.0
Mental Health Not Good	14.9
Chronic Kidney Disease	20.1
Obesity	9.6
Pedestrian Injuries	100.0
Physical Health Not Good	12.4
Stroke	13.0

Health Risk Behaviors	—
Binge Drinking	60.3
Current Smoker	7.4
No Leisure Time for Physical Activity	24.7
Climate Change Exposures	—
Wildfire Risk	0.0
SLR Inundation Area	0.0
Children	76.4
Elderly	97.3
English Speaking	7.7
Foreign-born	75.6
Outdoor Workers	46.0
Climate Change Adaptive Capacity	—
Impervious Surface Cover	0.0
Traffic Density	90.2
Traffic Access	87.4
Other Indices	—
Hardship	82.8
Other Decision Support	—
2016 Voting	5.0

7.3. Overall Health & Equity Scores

Metric	Result for Project Census Tract
CalEnviroScreen 4.0 Score for Project Location (a)	100
Healthy Places Index Score for Project Location (b)	14.0
Project Located in a Designated Disadvantaged Community (Senate Bill 535)	Yes
Project Located in a Low-Income Community (Assembly Bill 1550)	Yes
Project Located in a Community Air Protection Program Community (Assembly Bill 617)	No

a: The maximum CalEnviroScreen score is 100. A high score (i.e., greater than 50) reflects a higher pollution burden compared to other census tracts in the state.
b: The maximum Health Places Index score is 100. A high score (i.e., greater than 50) reflects healthier community conditions compared to other census tracts in the state.

7.4. Health & Equity Measures

No Health & Equity Measures selected.

7.5. Evaluation Scorecard

Health & Equity Evaluation Scorecard not completed.

7.6. Health & Equity Custom Measures

No Health & Equity Custom Measures created.

8. User Changes to Default Data

Screen	Justification
Construction: Construction Phases	see construction assumptions
Construction: Off-Road Equipment	see construction assumptions
Construction: Trips and VMT	see construction assumptions
Construction: On-Road Fugitive Dust	see construction assumptions
Construction: Electricity	Carbon intensity for construction years
Land Use	Project Specific

DTLA Row - Construction North Lot Detailed Report

Table of Contents

1. Basic Project Information

1.1. Basic Project Information

1.2. Land Use Types

1.3. User-Selected Emission Reduction Measures by Emissions Sector

2. Emissions Summary

2.1. Construction Emissions Compared Against Thresholds

2.2. Construction Emissions by Year, Unmitigated

3. Construction Emissions Details

3.1. Demolition (2030) - Unmitigated

3.3. Grading & Utilities (2030) - Unmitigated

3.5. Foundation/Structure (2030) - Unmitigated

3.7. Foundation/Structure (2031) - Unmitigated

3.9. Interior (2031) - Unmitigated

3.11. Interior (2032) - Unmitigated

3.13. Paving (2032) - Unmitigated

3.15. Architectural Coating (2032) - Unmitigated

4. Operations Emissions Details

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

4.10.2. Above and Belowground Carbon Accumulation by Land Use Type - Unmitigated

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

5. Activity Data

5.1. Construction Schedule

5.2. Off-Road Equipment

5.2.1. Unmitigated

5.3. Construction Vehicles

5.3.1. Unmitigated

5.4. Vehicles

5.4.1. Construction Vehicle Control Strategies

5.5. Architectural Coatings

5.6. Dust Mitigation

5.6.1. Construction Earthmoving Activities

5.6.2. Construction Earthmoving Control Strategies

5.7. Construction Paving

5.8. Construction Electricity Consumption and Emissions Factors

5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

5.18.2. Sequestration

5.18.2.1. Unmitigated

6. Climate Risk Detailed Report

6.1. Climate Risk Summary

6.2. Initial Climate Risk Scores

6.3. Adjusted Climate Risk Scores

6.4. Climate Risk Reduction Measures

7. Health and Equity Details

7.1. CalEnviroScreen 4.0 Scores

7.2. Healthy Places Index Scores

7.3. Overall Health & Equity Scores

7.4. Health & Equity Measures

7.5. Evaluation Scorecard

7.6. Health & Equity Custom Measures

8. User Changes to Default Data

1. Basic Project Information

1.1. Basic Project Information

Data Field	Value
Project Name	DTLA Row - Construction North Lot
Construction Start Date	6/3/2030
Lead Agency	—
Land Use Scale	Project/site
Analysis Level for Defaults	County
Windspeed (m/s)	0.50
Precipitation (days)	18.4
Location	34.03415645231733, -118.23915432245305
County	Los Angeles-South Coast
City	Los Angeles
Air District	South Coast AQMD
Air Basin	South Coast
TAZ	4066
EDFZ	16
Electric Utility	Los Angeles Department of Water & Power
Gas Utility	Southern California Gas
App Version	2022.1.1.29

1.2. Land Use Types

Land Use Subtype	Size	Unit	Lot Acreage	Building Area (sq ft)	Landscape Area (sq ft)	Special Landscape Area (sq ft)	Population	Description
Apartments Mid Rise	376	Dwelling Unit	1.97	318,625	10,736	0.00	1,113	—

High Turnover (Sit Down Restaurant)	5.43	1000sqft	0.00	5,428	0.00	—	—	—
Recreational Swimming Pool	0.38	1000sqft	0.00	376	0.00	—	—	—
Enclosed Parking with Elevator	439	Space	3.95	175,600	0.00	—	—	—

1.3. User-Selected Emission Reduction Measures by Emissions Sector

No measures selected

2. Emissions Summary

2.1. Construction Emissions Compared Against Thresholds

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Un/Mit.	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Unmit.	13.5	36.5	70.5	0.23	0.44	14.9	15.3	0.43	3.24	3.68	33,609
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Unmit.	13.4	37.9	67.9	0.23	0.44	14.9	15.3	0.43	3.24	3.68	33,340
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—
Unmit.	6.19	8.63	21.8	0.05	0.10	4.43	4.51	0.10	0.96	1.05	7,586
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—
Unmit.	1.13	1.57	3.98	0.01	0.02	0.81	0.82	0.02	0.18	0.19	1,256

2.2. Construction Emissions by Year, Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Year	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e

Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
2030	2.50	36.5	70.5	0.23	0.44	14.9	15.3	0.43	3.24	3.68	33,609
2031	1.48	13.1	38.6	0.08	0.15	7.31	7.46	0.15	1.56	1.71	12,968
2032	13.5	5.24	27.3	0.04	0.08	4.36	4.43	0.08	1.04	1.12	7,668
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
2030	2.43	37.9	67.9	0.23	0.44	14.9	15.3	0.43	3.24	3.68	33,340
2031	1.45	13.6	36.6	0.08	0.15	7.31	7.46	0.15	1.56	1.71	12,799
2032	13.4	5.45	25.3	0.04	0.08	4.36	4.43	0.08	1.04	1.12	7,476
Average Daily	—	—	—	—	—	—	—	—	—	—	—
2030	0.55	8.63	15.6	0.05	0.10	3.23	3.33	0.10	0.71	0.81	7,538
2031	0.90	7.64	21.8	0.04	0.08	4.43	4.51	0.08	0.96	1.05	7,586
2032	6.19	1.89	8.99	0.01	0.03	1.09	1.13	0.03	0.26	0.30	2,415
Annual	—	—	—	—	—	—	—	—	—	—	—
2030	0.10	1.57	2.84	0.01	0.02	0.59	0.61	0.02	0.13	0.15	1,248
2031	0.16	1.39	3.98	0.01	0.02	0.81	0.82	0.01	0.18	0.19	1,256
2032	1.13	0.34	1.64	< 0.005	0.01	0.20	0.21	0.01	0.05	0.05	400

3. Construction Emissions Details

3.1. Demolition (2030) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.28	3.49	11.7	0.02	0.06	—	0.06	0.06	—	0.06	1,702

Demolition	—	—	—	—	—	0.04	0.04	—	0.01	0.01	—
Onsite truck	0.01	0.16	0.13	< 0.005	< 0.005	0.20	0.20	< 0.005	0.02	0.02	23.6
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.16	0.55	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	79.3
Demolition	—	—	—	—	—	< 0.005	< 0.005	—	< 0.005	< 0.005	—
Onsite truck	< 0.005	0.01	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	1.11
Annual	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	0.03	0.10	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	13.1
Demolition	—	—	—	—	—	< 0.005	< 0.005	—	< 0.005	< 0.005	—
Onsite truck	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.18
Offsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.08	0.06	1.19	0.00	0.00	0.31	0.31	0.00	0.07	0.07	307
Vendor	< 0.005	0.11	0.06	< 0.005	< 0.005	0.03	0.04	< 0.005	0.01	0.01	118
Hauling	0.02	1.72	0.68	0.01	0.02	0.46	0.49	0.02	0.13	0.15	1,622
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.05	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	13.8
Vendor	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	5.49
Hauling	< 0.005	0.08	0.03	< 0.005	< 0.005	0.02	0.02	< 0.005	0.01	0.01	75.5
Annual	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	2.28
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.91
Hauling	< 0.005	0.02	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	12.5

3.3. Grading & Utilities (2030) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.32	3.33	19.2	0.03	0.06	—	0.06	0.06	—	0.06	2,754
Dust From Material Movement	—	—	—	—	—	< 0.005	< 0.005	—	< 0.005	< 0.005	—
Onsite truck	0.08	1.66	1.33	< 0.005	< 0.005	2.06	2.06	< 0.005	0.21	0.21	242
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.32	3.33	19.2	0.03	0.06	—	0.06	0.06	—	0.06	2,754
Dust From Material Movement	—	—	—	—	—	< 0.005	< 0.005	—	< 0.005	< 0.005	—
Onsite truck	0.07	1.75	1.37	< 0.005	< 0.005	2.06	2.06	< 0.005	0.21	0.21	246
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.07	0.76	4.37	0.01	0.01	—	0.01	0.01	—	0.01	626
Dust From Material Movement	—	—	—	—	—	< 0.005	< 0.005	—	< 0.005	< 0.005	—
Onsite truck	0.02	0.39	0.31	< 0.005	< 0.005	0.44	0.44	< 0.005	0.04	0.04	55.4
Annual	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.14	0.80	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	104
Dust From Material Movement	—	—	—	—	—	< 0.005	< 0.005	—	< 0.005	< 0.005	—

Onsite truck	< 0.005	0.07	0.06	< 0.005	< 0.005	0.08	0.08	< 0.005	0.01	0.01	9.17
Offsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.19	0.15	2.97	0.00	0.00	0.78	0.78	0.00	0.18	0.18	768
Vendor	< 0.005	0.17	0.08	< 0.005	< 0.005	0.05	0.05	< 0.005	0.01	0.02	177
Hauling	0.26	17.8	7.24	0.12	0.22	4.67	4.89	0.22	1.28	1.50	16,416
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.19	0.18	2.51	0.00	0.00	0.78	0.78	0.00	0.18	0.18	727
Vendor	< 0.005	0.18	0.09	< 0.005	< 0.005	0.05	0.05	< 0.005	0.01	0.02	177
Hauling	0.24	18.6	7.31	0.12	0.22	4.67	4.89	0.22	1.28	1.50	16,396
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.04	0.60	0.00	0.00	0.18	0.18	0.00	0.04	0.04	168
Vendor	< 0.005	0.04	0.02	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	40.2
Hauling	0.06	4.25	1.65	0.03	0.05	1.05	1.10	0.05	0.29	0.34	3,730
Annual	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.11	0.00	0.00	0.03	0.03	0.00	0.01	0.01	27.8
Vendor	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	6.66
Hauling	0.01	0.78	0.30	< 0.005	0.01	0.19	0.20	0.01	0.05	0.06	618

3.5. Foundation/Structure (2030) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.50	5.54	21.0	0.03	0.11	—	0.11	0.10	—	0.10	3,316

Onsite truck	0.06	1.35	1.08	< 0.005	< 0.005	1.67	1.67	< 0.005	0.17	0.17	197
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.50	5.54	21.0	0.03	0.11	—	0.11	0.10	—	0.10	3,316
Onsite truck	0.06	1.42	1.11	< 0.005	< 0.005	1.67	1.67	< 0.005	0.17	0.17	200
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.11	1.16	4.39	0.01	0.02	—	0.02	0.02	—	0.02	694
Onsite truck	0.01	0.29	0.23	< 0.005	< 0.005	0.33	0.33	< 0.005	0.03	0.03	41.5
Annual	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.21	0.80	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	115
Onsite truck	< 0.005	0.05	0.04	< 0.005	< 0.005	0.06	0.06	< 0.005	0.01	0.01	6.87
Offsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.95	0.76	14.9	0.00	0.00	3.92	3.92	0.00	0.92	0.92	3,839
Vendor	0.13	5.72	2.78	0.04	0.04	1.71	1.76	0.04	0.47	0.52	5,899
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.93	0.90	12.5	0.00	0.00	3.92	3.92	0.00	0.92	0.92	3,634
Vendor	0.12	5.99	2.84	0.04	0.04	1.71	1.76	0.04	0.47	0.52	5,890
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Worker	0.19	0.19	2.76	0.00	0.00	0.81	0.81	0.00	0.19	0.19	773
Vendor	0.03	1.25	0.59	0.01	0.01	0.35	0.36	0.01	0.10	0.11	1,234
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.03	0.50	0.00	0.00	0.15	0.15	0.00	0.03	0.03	128

Vendor	< 0.005	0.23	0.11	< 0.005	< 0.005	0.06	0.07	< 0.005	0.02	0.02	204
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.7. Foundation/Structure (2031) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.50	5.54	21.0	0.03	0.11	—	0.11	0.10	—	0.10	3,316
Onsite truck	0.06	1.33	1.08	< 0.005	< 0.005	1.67	1.67	< 0.005	0.17	0.17	194
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.50	5.54	21.0	0.03	0.11	—	0.11	0.10	—	0.10	3,316
Onsite truck	0.06	1.41	1.11	< 0.005	< 0.005	1.67	1.67	< 0.005	0.17	0.17	197
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.27	2.95	11.2	0.02	0.06	—	0.06	0.06	—	0.06	1,765
Onsite truck	0.03	0.73	0.58	< 0.005	< 0.005	0.85	0.85	< 0.005	0.08	0.09	104
Annual	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.05	0.54	2.04	< 0.005	0.01	—	0.01	0.01	—	0.01	292
Onsite truck	0.01	0.13	0.11	< 0.005	< 0.005	0.15	0.15	< 0.005	0.02	0.02	17.2
Offsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.78	0.76	13.9	0.00	0.00	3.92	3.92	0.00	0.92	0.92	3,744
Vendor	0.13	5.47	2.68	0.04	0.04	1.71	1.76	0.04	0.47	0.52	5,713
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.77	0.89	11.8	0.00	0.00	3.92	3.92	0.00	0.92	0.92	3,580
Vendor	0.12	5.74	2.70	0.04	0.04	1.71	1.76	0.04	0.47	0.52	5,705
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Worker	0.41	0.47	6.57	0.00	0.00	2.06	2.06	0.00	0.48	0.48	1,935
Vendor	0.07	3.05	1.44	0.02	0.02	0.90	0.93	0.02	0.25	0.27	3,038
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07	0.09	1.20	0.00	0.00	0.38	0.38	0.00	0.09	0.09	320
Vendor	0.01	0.56	0.26	< 0.005	< 0.005	0.16	0.17	< 0.005	0.05	0.05	503
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.9. Interior (2031) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.69	1.03	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	148
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.69	1.03	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	148
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	< 0.005	0.13	0.19	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	27.0
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	0.02	0.03	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	4.46
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.62	0.61	11.1	0.00	0.00	3.14	3.14	0.00	0.74	0.74	2,995
Vendor	0.02	0.98	0.48	0.01	0.01	0.31	0.32	0.01	0.09	0.09	1,028
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.62	0.71	9.43	0.00	0.00	3.14	3.14	0.00	0.74	0.74	2,864
Vendor	0.02	1.03	0.49	0.01	0.01	0.31	0.32	0.01	0.09	0.09	1,027
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Worker	0.11	0.13	1.80	0.00	0.00	0.56	0.56	0.00	0.13	0.13	529
Vendor	< 0.005	0.19	0.09	< 0.005	< 0.005	0.06	0.06	< 0.005	0.02	0.02	187
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.33	0.00	0.00	0.10	0.10	0.00	0.02	0.02	87.6
Vendor	< 0.005	0.03	0.02	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	31.0
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.11. Interior (2032) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.69	1.03	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	148
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.69	1.03	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	148
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	0.14	0.21	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	29.9
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	0.03	0.04	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	4.94
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.60	0.50	10.5	0.00	0.00	3.14	3.14	0.00	0.74	0.74	2,954
Vendor	0.02	0.95	0.46	0.01	0.01	0.31	0.32	0.01	0.09	0.09	993
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.59	0.61	8.85	0.00	0.00	3.14	3.14	0.00	0.74	0.74	2,797
Vendor	0.02	0.99	0.48	0.01	0.01	0.31	0.32	0.01	0.09	0.09	991
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Average Daily	—	—	—	—	—	—	—	—	—	—	—
Worker	0.12	0.12	1.87	0.00	0.00	0.62	0.62	0.00	0.15	0.15	578
Vendor	< 0.005	0.20	0.09	< 0.005	< 0.005	0.06	0.06	< 0.005	0.02	0.02	200
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.34	0.00	0.00	0.11	0.11	0.00	0.03	0.03	95.7
Vendor	< 0.005	0.04	0.02	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	33.1
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.13. Paving (2032) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.28	2.21	12.7	0.02	0.06	—	0.06	0.06	—	0.06	2,131
Paving	0.06	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.28	2.21	12.7	0.02	0.06	—	0.06	0.06	—	0.06	2,131
Paving	0.06	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.13	1.00	5.76	0.01	0.03	—	0.03	0.03	—	0.03	964
Paving	0.03	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Annual	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.18	1.05	< 0.005	0.01	—	0.01	< 0.005	—	< 0.005	160
Paving	0.01	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.12	0.10	2.18	0.00	0.00	0.65	0.65	0.00	0.15	0.15	615
Vendor	0.02	0.79	0.39	0.01	0.01	0.26	0.26	0.01	0.07	0.08	827
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.12	0.13	1.84	0.00	0.00	0.65	0.65	0.00	0.15	0.15	583
Vendor	0.02	0.82	0.40	0.01	0.01	0.26	0.26	0.01	0.07	0.08	826
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.06	0.88	0.00	0.00	0.29	0.29	0.00	0.07	0.07	270
Vendor	0.01	0.37	0.18	< 0.005	< 0.005	0.11	0.12	< 0.005	0.03	0.03	374
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.16	0.00	0.00	0.05	0.05	0.00	0.01	0.01	44.7
Vendor	< 0.005	0.07	0.03	< 0.005	< 0.005	0.02	0.02	< 0.005	0.01	0.01	61.9
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.15. Architectural Coating (2032) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	12.3	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	12.3	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	5.84	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	1.07	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

4. Operations Emissions Details

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Vegetation	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—

4.10.2. Above and Belowground Carbon Accumulation by Land Use Type - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Species	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—

Subtotal	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—

5. Activity Data

5.1. Construction Schedule

Phase Name	Phase Type	Start Date	End Date	Days Per Week	Work Days per Phase	Phase Description
Demolition	Demolition	6/3/2030	6/25/2030	5.00	17.0	—
Grading & Utilities	Grading	6/9/2030	10/2/2030	5.00	83.0	—
Foundation/Structure	Building Construction	9/16/2030	9/29/2031	5.00	271	—
Interior	Building Construction	9/30/2031	4/12/2032	5.00	140	—
Paving	Paving	1/13/2032	8/30/2032	5.00	165	—
Architectural Coating	Architectural Coating	1/1/2032	8/30/2032	5.00	173	—

5.2. Off-Road Equipment

5.2.1. Unmitigated

Phase Name	Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
Demolition	Air Compressors	Diesel	Tier 4 Final	1.00	8.00	37.0	0.48
Demolition	Excavators	Diesel	Tier 4 Final	1.00	8.00	158	0.38
Demolition	Generator Sets	Diesel	Average	1.00	8.00	14.0	0.74
Demolition	Other Construction Equipment	Diesel	Tier 4 Final	1.00	8.00	82.0	0.42
Demolition	Skid Steer Loaders	Diesel	Tier 4 Final	1.00	8.00	71.0	0.37

Demolition	Tractors/Loaders/Back	Diesel	Tier 4 Final	1.00	8.00	84.0	0.37
Grading & Utilities	Bore/Drill Rigs	Diesel	Tier 4 Final	1.00	8.00	83.0	0.50
Grading & Utilities	Excavators	Diesel	Tier 4 Final	2.00	8.00	158	0.38
Grading & Utilities	Other Construction Equipment	Diesel	Tier 4 Final	1.00	8.00	82.0	0.42
Grading & Utilities	Plate Compactors	Diesel	Average	1.00	8.00	8.00	0.43
Grading & Utilities	Rollers	Diesel	Tier 4 Final	1.00	8.00	36.0	0.38
Grading & Utilities	Rubber Tired Loaders	Diesel	Tier 4 Final	1.00	8.00	150	0.36
Grading & Utilities	Skid Steer Loaders	Diesel	Tier 4 Final	1.00	8.00	71.0	0.37
Foundation/Structure	Air Compressors	Diesel	Tier 4 Final	1.00	8.00	37.0	0.48
Foundation/Structure	Cement and Mortar Mixers	Diesel	Average	1.00	8.00	10.0	0.56
Foundation/Structure	Concrete/Industrial Saws	Diesel	Tier 4 Final	1.00	8.00	33.0	0.73
Foundation/Structure	Cranes	Diesel	Tier 4 Final	1.00	8.00	367	0.29
Foundation/Structure	Cranes	Electric	Average	1.00	8.00	367	0.29
Foundation/Structure	Excavators	Diesel	Tier 4 Final	1.00	8.00	158	0.38
Foundation/Structure	Forklifts	Diesel	Tier 4 Final	2.00	8.00	82.0	0.20
Foundation/Structure	Pumps	Diesel	Average	1.00	8.00	11.0	0.74
Foundation/Structure	Plate Compactors	Diesel	Average	1.00	8.00	8.00	0.43
Foundation/Structure	Rough Terrain Forklifts	Diesel	Tier 4 Final	1.00	8.00	96.0	0.40
Foundation/Structure	Tractors/Loaders/Back hoes	Diesel	Tier 4 Final	1.00	8.00	84.0	0.37
Foundation/Structure	Welders	Diesel	Tier 4 Final	1.00	8.00	46.0	0.45
Interior	Aerial Lifts	Diesel	Tier 4 Final	1.00	8.00	46.0	0.31
Paving	Cranes	Diesel	Tier 4 Final	1.00	8.00	367	0.29
Paving	Other Construction Equipment	Diesel	Tier 4 Final	1.00	8.00	82.0	0.42
Paving	Paving Equipment	Diesel	Tier 4 Final	1.00	8.00	89.0	0.36
Paving	Plate Compactors	Diesel	Average	1.00	8.00	8.00	0.43

Paving	Rollers	Diesel	Tier 4 Final	1.00	8.00	36.0	0.38
Paving	Signal Boards	Diesel	Average	1.00	8.00	6.00	0.82
Paving	Tractors/Loaders/Backhoes	Diesel	Tier 4 Final	1.00	8.00	84.0	0.37

5.3. Construction Vehicles

5.3.1. Unmitigated

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix
Demolition	—	—	—	—
Demolition	Worker	24.0	18.5	LDA,LDT1,LDT2
Demolition	Vendor	4.00	10.2	HHDT,MHDT
Demolition	Hauling	20.0	25.0	HHDT
Demolition	Onsite truck	12.0	0.09	HHDT
Grading & Utilities	—	—	—	—
Grading & Utilities	Worker	60.0	18.5	LDA,LDT1,LDT2
Grading & Utilities	Vendor	6.00	10.2	HHDT,MHDT
Grading & Utilities	Hauling	240	21.0	HHDT
Grading & Utilities	Onsite truck	123	0.09	HHDT
Foundation/Structure	—	—	—	—
Foundation/Structure	Worker	300	18.5	LDA,LDT1,LDT2
Foundation/Structure	Vendor	200	10.2	HHDT,MHDT
Foundation/Structure	Hauling	0.00	20.0	HHDT
Foundation/Structure	Onsite truck	100	0.09	HHDT
Paving	—	—	—	—
Paving	Worker	50.0	18.5	LDA,LDT1,LDT2
Paving	Vendor	30.0	10.2	HHDT,MHDT
Paving	Hauling	0.00	20.0	HHDT
Paving	Onsite truck	0.00	—	HHDT

Architectural Coating	—	—	—	—
Architectural Coating	Worker	0.00	18.5	LDA,LDT1,LDT2
Architectural Coating	Vendor	0.00	10.2	HHDT,MHDT
Architectural Coating	Hauling	0.00	20.0	HHDT
Architectural Coating	Onsite truck	0.00	—	HHDT
Interior	—	—	—	—
Interior	Worker	240	18.5	LDA,LDT1,LDT2
Interior	Vendor	36.0	10.2	HHDT,MHDT
Interior	Hauling	0.00	20.0	HHDT
Interior	Onsite truck	0.00	—	HHDT

5.4. Vehicles

5.4.1. Construction Vehicle Control Strategies

Control Strategies Applied	PM10 Reduction	PM2.5 Reduction
Water unpaved roads twice daily	55%	55%
Limit vehicle speeds on unpaved roads to 25 mph	44%	44%

5.5. Architectural Coatings

Phase Name	Residential Interior Area Coated (sq ft)	Residential Exterior Area Coated (sq ft)	Non-Residential Interior Area Coated (sq ft)	Non-Residential Exterior Area Coated (sq ft)	Parking Area Coated (sq ft)
Architectural Coating	645,216	215,072	15,887	3,575	10,326

5.6. Dust Mitigation

5.6.1. Construction Earthmoving Activities

Phase Name	Material Imported (Cubic Yards)	Material Exported (Cubic Yards)	Acres Graded (acres)	Material Demolished (Building Square Footage)	Acres Paved (acres)

Demolition	0.00	0.00	0.00	1,268	—
Grading & Utilities	0.00	36,210	0.00	0.00	—
Paving	0.00	0.00	0.00	0.00	3.95

5.6.2. Construction Earthmoving Control Strategies

Control Strategies Applied	Frequency (per day)	PM10 Reduction	PM2.5 Reduction
Water Exposed Area	3	74%	74%
Water Demolished Area	2	36%	36%

5.7. Construction Paving

Land Use	Area Paved (acres)	% Asphalt
Apartments Mid Rise	—	0%
High Turnover (Sit Down Restaurant)	0.00	0%
Recreational Swimming Pool	0.00	0%
Enclosed Parking with Elevator	3.95	100%

5.8. Construction Electricity Consumption and Emissions Factors

kWh per Year and Emission Factor (lb/MWh)

Year	kWh per Year	CO2	CH4	N2O
2030	635	345	0.05	0.01
2031	635	325	0.05	0.01
2032	0.00	304	0.05	0.01

5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres

5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

Biomass Cover Type	Initial Acres	Final Acres

5.18.2. Sequestration

5.18.2.1. Unmitigated

Tree Type	Number	Electricity Saved (kWh/year)	Natural Gas Saved (btu/year)

6. Climate Risk Detailed Report

6.1. Climate Risk Summary

Cal-Adapt midcentury 2040–2059 average projections for four hazards are reported below for your project location. These are under Representation Concentration Pathway (RCP) 8.5 which assumes GHG emissions will continue to rise strongly through 2050 and then plateau around 2100.

Climate Hazard	Result for Project Location	Unit
Temperature and Extreme Heat	9.52	annual days of extreme heat
Extreme Precipitation	6.15	annual days with precipitation above 20 mm
Sea Level Rise	—	meters of inundation depth
Wildfire	0.00	annual hectares burned

Temperature and Extreme Heat data are for grid cell in which your project are located. The projection is based on the 98th historical percentile of daily maximum/minimum temperatures from observed historical data (32 climate model ensemble from Cal-Adapt, 2040–2059 average under RCP 8.5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.
Extreme Precipitation data are for the grid cell in which your project are located. The threshold of 20 mm is equivalent to about ¾ an inch of rain, which would be light to moderate rainfall if received over a full day or heavy rain if received over a period of 2 to 4 hours. Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.
Sea Level Rise data are for the grid cell in which your project are located. The projections are from Radke et al. (2017), as reported in Cal-Adapt (Radke et al., 2017, CEC-500-2017-008), and consider inundation location and depth for the San Francisco Bay, the Sacramento-San Joaquin River Delta and California coast resulting different increments of sea level rise coupled with extreme storm events. Users may select from four scenarios to view the range in potential inundation depth for the grid cell. The four scenarios are: No rise, 0.5 meter, 1.0 meter, 1.41 meters

Wildfire data are for the grid cell in which your project are located. The projections are from UC Davis, as reported in Cal-Adapt (2040–2059 average under RCP 8.5), and consider historical data of climate, vegetation, population density, and large (> 400 ha) fire history. Users may select from four model simulations to view the range in potential wildfire probabilities for the grid cell. The four simulations make different assumptions about expected rainfall and temperature are: Warmer/drier (HadGEM2-ES), Cooler/wetter (CNRM-CM5), Average conditions (CanESM2), Range of different rainfall and temperature possibilities (MIROC5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.

6.2. Initial Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	1	0	0	N/A
Extreme Precipitation	N/A	N/A	N/A	N/A
Sea Level Rise	1	0	0	N/A
Wildfire	1	0	0	N/A
Flooding	N/A	N/A	N/A	N/A
Drought	N/A	N/A	N/A	N/A
Snowpack Reduction	N/A	N/A	N/A	N/A
Air Quality Degradation	0	0	0	N/A

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.
The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.
The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores do not include implementation of climate risk reduction measures.

6.3. Adjusted Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	1	1	1	2
Extreme Precipitation	N/A	N/A	N/A	N/A
Sea Level Rise	1	1	1	2
Wildfire	1	1	1	2
Flooding	N/A	N/A	N/A	N/A
Drought	N/A	N/A	N/A	N/A
Snowpack Reduction	N/A	N/A	N/A	N/A
Air Quality Degradation	1	1	1	2

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.
The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.
The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores include implementation of climate risk reduction measures.

6.4. Climate Risk Reduction Measures

7. Health and Equity Details

7.1. CalEnviroScreen 4.0 Scores

The maximum CalEnviroScreen score is 100. A high score (i.e., greater than 50) reflects a higher pollution burden compared to other census tracts in the state.

Indicator	Result for Project Census Tract
Exposure Indicators	—
AQ-Ozone	50.5
AQ-PM	89.2
AQ-DPM	95.5
Drinking Water	92.5
Lead Risk Housing	71.6
Pesticides	0.00
Toxic Releases	82.2
Traffic	85.9
Effect Indicators	—
CleanUp Sites	97.2
Groundwater	78.1
Haz Waste Facilities/Generators	98.8
Impaired Water Bodies	66.7
Solid Waste	96.0
Sensitive Population	—
Asthma	97.7

Cardio-vascular	65.1
Low Birth Weights	71.6
Socioeconomic Factor Indicators	—
Education	74.4
Housing	68.5
Linguistic	91.8
Poverty	75.4
Unemployment	79.7

7.2. Healthy Places Index Scores

The maximum Health Places Index score is 100. A high score (i.e., greater than 50) reflects healthier community conditions compared to other census tracts in the state.

Indicator	Result for Project Census Tract
Economic	—
Above Poverty	10.5350956
Employed	49.30065443
Median HI	4.273065572
Education	—
Bachelor's or higher	63.26190171
High school enrollment	100
Preschool enrollment	95.7141024
Transportation	—
Auto Access	1.180546644
Active commuting	97.42076222
Social	—
2-parent households	4.119081227
Voting	13.0373412
Neighborhood	—
Alcohol availability	9.5983575

Park access	81.35506224
Retail density	43.6160657
Supermarket access	82.8564096
Tree canopy	14.50019248
Housing	—
Homeownership	6.723983062
Housing habitability	0.166816374
Low-inc homeowner severe housing cost burden	1.475683306
Low-inc renter severe housing cost burden	66.38008469
Uncrowded housing	6.300526113
Health Outcomes	—
Insured adults	5.902733222
Arthritis	53.0
Asthma ER Admissions	1.4
High Blood Pressure	12.0
Cancer (excluding skin)	82.6
Asthma	21.6
Coronary Heart Disease	15.5
Chronic Obstructive Pulmonary Disease	14.4
Diagnosed Diabetes	11.3
Life Expectancy at Birth	5.1
Cognitively Disabled	13.7
Physically Disabled	6.4
Heart Attack ER Admissions	46.0
Mental Health Not Good	14.9
Chronic Kidney Disease	20.1
Obesity	9.6
Pedestrian Injuries	100.0

Physical Health Not Good	12.4
Stroke	13.0
Health Risk Behaviors	—
Binge Drinking	60.3
Current Smoker	7.4
No Leisure Time for Physical Activity	24.7
Climate Change Exposures	—
Wildfire Risk	0.0
SLR Inundation Area	0.0
Children	76.4
Elderly	97.3
English Speaking	7.7
Foreign-born	75.6
Outdoor Workers	46.0
Climate Change Adaptive Capacity	—
Impervious Surface Cover	0.0
Traffic Density	90.2
Traffic Access	87.4
Other Indices	—
Hardship	82.8
Other Decision Support	—
2016 Voting	5.0

7.3. Overall Health & Equity Scores

Metric	Result for Project Census Tract
CalEnviroScreen 4.0 Score for Project Location (a)	100
Healthy Places Index Score for Project Location (b)	14.0
Project Located in a Designated Disadvantaged Community (Senate Bill 535)	Yes

Project Located in a Low-Income Community (Assembly Bill 1550)	Yes
Project Located in a Community Air Protection Program Community (Assembly Bill 617)	No

a: The maximum CalEnviroScreen score is 100. A high score (i.e., greater than 50) reflects a higher pollution burden compared to other census tracts in the state.
b: The maximum Health Places Index score is 100. A high score (i.e., greater than 50) reflects healthier community conditions compared to other census tracts in the state.

7.4. Health & Equity Measures

No Health & Equity Measures selected.

7.5. Evaluation Scorecard

Health & Equity Evaluation Scorecard not completed.

7.6. Health & Equity Custom Measures

No Health & Equity Custom Measures created.

8. User Changes to Default Data

Screen	Justification
Construction: Construction Phases	Project Specific - see construction assumptions
Construction: Off-Road Equipment	See construction assumptions
Construction: Trips and VMT	see construction assumptions
Construction: On-Road Fugitive Dust	see construction assumptions
Construction: Electricity	Carbon intensity for construction years
Land Use	Project Specific

DTLA Row - Construction Onsite South Lot Building A Detailed Report

Table of Contents

1. Basic Project Information

1.1. Basic Project Information

1.2. Land Use Types

1.3. User-Selected Emission Reduction Measures by Emissions Sector

2. Emissions Summary

2.1. Construction Emissions Compared Against Thresholds

2.2. Construction Emissions by Year, Unmitigated

3. Construction Emissions Details

3.1. Demolition/Utility Relocation (2027) - Unmitigated

3.3. Grading/Shoring/Excavation (2027) - Unmitigated

3.5. Building Foundation (2027) - Unmitigated

3.7. Building Foundation (2028) - Unmitigated

3.9. Building Construction (2028) - Unmitigated

3.11. Building Construction (2029) - Unmitigated

3.13. Paving (2029) - Unmitigated

3.15. Architectural Coating (2029) - Unmitigated

4. Operations Emissions Details

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

4.10.2. Above and Belowground Carbon Accumulation by Land Use Type - Unmitigated

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

5. Activity Data

5.1. Construction Schedule

5.2. Off-Road Equipment

5.2.1. Unmitigated

5.3. Construction Vehicles

5.3.1. Unmitigated

5.4. Vehicles

5.4.1. Construction Vehicle Control Strategies

5.5. Architectural Coatings

5.6. Dust Mitigation

5.6.1. Construction Earthmoving Activities

5.6.2. Construction Earthmoving Control Strategies

5.7. Construction Paving

5.8. Construction Electricity Consumption and Emissions Factors

5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

5.18.2. Sequestration

5.18.2.1. Unmitigated

6. Climate Risk Detailed Report

6.1. Climate Risk Summary

6.2. Initial Climate Risk Scores

6.3. Adjusted Climate Risk Scores

6.4. Climate Risk Reduction Measures

7. Health and Equity Details

7.1. CalEnviroScreen 4.0 Scores

7.2. Healthy Places Index Scores

7.3. Overall Health & Equity Scores

7.4. Health & Equity Measures

7.5. Evaluation Scorecard

7.6. Health & Equity Custom Measures

8. User Changes to Default Data

1. Basic Project Information

1.1. Basic Project Information

Data Field	Value
Project Name	DTLA Row - Construction Onsite South Lot Building A
Construction Start Date	3/2/2027
Lead Agency	—
Land Use Scale	Project/site
Analysis Level for Defaults	County
Windspeed (m/s)	0.50
Precipitation (days)	18.4
Location	34.032905802980835, -118.23935798232272
County	Los Angeles-South Coast
City	Los Angeles
Air District	South Coast AQMD
Air Basin	South Coast
TAZ	4066
EDFZ	16
Electric Utility	Los Angeles Department of Water & Power
Gas Utility	Southern California Gas
App Version	2022.1.1.29

1.2. Land Use Types

Land Use Subtype	Size	Unit	Lot Acreage	Building Area (sq ft)	Landscape Area (sq ft)	Special Landscape Area (sq ft)	Population	Description
Apartments Mid Rise	410	Dwelling Unit	1.83	336,501	13,837	0.00	1,214	—

High Turnover (Sit Down Restaurant)	1.12	1000sqft	0.00	1,119	0.00	0.00	—	—
Recreational Swimming Pool	0.49	1000sqft	0.00	486	0.00	0.00	—	—
Enclosed Parking with Elevator	449	Space	4.04	179,600	0.00	0.00	—	—

1.3. User-Selected Emission Reduction Measures by Emissions Sector

No measures selected

2. Emissions Summary

2.1. Construction Emissions Compared Against Thresholds

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Un/Mit.	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Unmit.	13.1	11.1	34.9	0.06	0.18	11.9	12.0	0.17	1.19	1.29	5,320
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Unmit.	13.1	13.2	38.0	0.06	0.18	0.84	0.93	0.18	0.08	0.18	5,765
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—
Unmit.	6.26	5.93	19.8	0.03	0.09	1.61	1.70	0.09	0.16	0.25	2,981
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—
Unmit.	1.14	1.08	3.61	0.01	0.02	0.29	0.31	0.02	0.03	0.05	493

2.2. Construction Emissions by Year, Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Year	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e

Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
2027	0.85	11.1	34.9	0.06	0.18	11.9	12.0	0.17	1.19	1.29	5,320
2028	0.07	2.07	3.09	< 0.005	0.01	0.00	0.01	0.01	0.00	0.01	446
2029	13.1	5.70	19.4	0.03	0.10	0.00	0.10	0.10	0.00	0.10	3,094
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
2027	0.85	11.1	34.9	0.06	0.18	0.84	0.93	0.17	0.08	0.18	5,320
2028	0.92	13.2	38.0	0.06	0.18	0.00	0.18	0.18	0.00	0.18	5,765
2029	13.1	5.70	19.4	0.03	0.10	0.00	0.10	0.10	0.00	0.10	3,094
Average Daily	—	—	—	—	—	—	—	—	—	—	—
2027	0.45	5.93	19.8	0.03	0.09	1.61	1.70	0.09	0.16	0.25	2,981
2028	0.09	1.96	3.78	0.01	0.01	0.00	0.01	0.01	0.00	0.01	559
2029	6.26	2.18	7.50	0.01	0.04	0.00	0.04	0.04	0.00	0.04	1,200
Annual	—	—	—	—	—	—	—	—	—	—	—
2027	0.08	1.08	3.61	0.01	0.02	0.29	0.31	0.02	0.03	0.05	493
2028	0.02	0.36	0.69	< 0.005	< 0.005	0.00	< 0.005	< 0.005	0.00	< 0.005	92.5
2029	1.14	0.40	1.37	< 0.005	0.01	0.00	0.01	0.01	0.00	0.01	199

3. Construction Emissions Details

3.1. Demolition/Utility Relocation (2027) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.50	7.45	24.4	0.03	0.10	—	0.10	0.09	—	0.09	3,516

Demolition	—	—	—	—	—	0.00	0.00	—	0.00	0.00	—
Onsite truck	0.01	0.18	0.13	< 0.005	< 0.005	0.84	0.84	< 0.005	0.08	0.08	32.4
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.50	7.45	24.4	0.03	0.10	—	0.10	0.09	—	0.09	3,516
Demolition	—	—	—	—	—	0.00	0.00	—	0.00	0.00	—
Onsite truck	0.01	0.18	0.13	< 0.005	< 0.005	0.84	0.84	< 0.005	0.08	0.08	32.8
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.04	0.61	2.01	< 0.005	0.01	—	0.01	0.01	—	0.01	289
Demolition	—	—	—	—	—	0.00	0.00	—	0.00	0.00	—
Onsite truck	< 0.005	0.01	0.01	< 0.005	< 0.005	0.07	0.07	< 0.005	0.01	0.01	2.68
Annual	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.11	0.37	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	47.8
Demolition	—	—	—	—	—	0.00	0.00	—	0.00	0.00	—
Onsite truck	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	0.44
Offsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.3. Grading/Shoring/Excavation (2027) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.55	6.23	32.3	0.04	0.11	—	0.11	0.10	—	0.10	4,626
Dust From Material Movement	—	—	—	—	—	< 0.005	< 0.005	—	< 0.005	< 0.005	—
Onsite truck	0.08	1.80	1.34	< 0.005	< 0.005	11.9	11.9	< 0.005	1.19	1.19	332
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.08	0.85	4.42	0.01	0.01	—	0.01	0.01	—	0.01	634
Dust From Material Movement	—	—	—	—	—	< 0.005	< 0.005	—	< 0.005	< 0.005	—
Onsite truck	0.01	0.25	0.19	< 0.005	< 0.005	1.55	1.55	< 0.005	0.15	0.15	45.7
Annual	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.16	0.81	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	105

Dust From Material Movement	—	—	—	—	—	< 0.005	< 0.005	—	< 0.005	< 0.005	—
Onsite truck	< 0.005	0.05	0.03	< 0.005	< 0.005	0.28	0.28	< 0.005	0.03	0.03	7.57
Offsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.5. Building Foundation (2027) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.85	11.1	34.9	0.06	0.18	—	0.18	0.17	—	0.17	5,319
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.85	11.1	34.9	0.06	0.18	—	0.18	0.17	—	0.17	5,319
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.32	4.20	13.2	0.02	0.07	—	0.07	0.06	—	0.06	2,009
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.06	0.77	2.41	< 0.005	0.01	—	0.01	0.01	—	0.01	333
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.7. Building Foundation (2028) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.85	11.1	34.9	0.06	0.18	—	0.18	0.17	—	0.17	5,319
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.04	0.52	1.64	< 0.005	0.01	—	0.01	0.01	—	0.01	250
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.10	0.30	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	41.4
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.9. Building Construction (2028) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.07	2.07	3.09	< 0.005	0.01	—	0.01	0.01	—	0.01	444
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.07	2.07	3.09	< 0.005	0.01	—	0.01	0.01	—	0.01	444
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.05	1.44	2.14	< 0.005	0.01	—	0.01	0.01	—	0.01	308
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.26	0.39	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	51.0
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.11. Building Construction (2029) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.07	2.07	3.09	< 0.005	0.01	—	0.01	0.01	—	0.01	444
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	0.07	2.07	3.09	< 0.005	0.01	—	0.01	0.01	—	0.01	444
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.76	1.13	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	162
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	0.14	0.21	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	26.8
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.13. Paving (2029) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.41	3.63	16.3	0.03	0.09	—	0.09	0.09	—	0.09	2,649
Paving	0.07	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.41	3.63	16.3	0.03	0.09	—	0.09	0.09	—	0.09	2,649
Paving	0.07	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.16	1.42	6.38	0.01	0.04	—	0.04	0.04	—	0.04	1,038
Paving	0.03	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.03	0.26	1.16	< 0.005	0.01	—	0.01	0.01	—	0.01	172
Paving	0.01	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.15. Architectural Coating (2029) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	12.5	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	12.5	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Average Daily	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	6.04	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	1.10	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

4. Operations Emissions Details

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Vegetation	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—

4.10.2. Above and Belowground Carbon Accumulation by Land Use Type - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Species	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—

5. Activity Data

5.1. Construction Schedule

Phase Name	Phase Type	Start Date	End Date	Days Per Week	Work Days per Phase	Phase Description
Demolition/Utility Relocation	Demolition	3/2/2027	4/12/2027	5.00	30.0	—
Grading/Shoring/Excavation	Grading	4/13/2027	6/21/2027	5.00	50.0	—
Building Foundation	Building Construction	6/22/2027	1/24/2028	5.00	155	—
Building Construction	Building Construction	1/13/2028	7/5/2029	5.00	386	—
Paving	Paving	2/15/2029	9/3/2029	5.00	143	—
Architectural Coating	Architectural Coating	1/1/2029	9/3/2029	5.00	176	—

5.2. Off-Road Equipment

5.2.1. Unmitigated

Phase Name	Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
Demolition/Utility Relocation	Air Compressors	Diesel	Tier 4 Final	2.00	8.00	37.0	0.48
Demolition/Utility Relocation	Excavators	Diesel	Tier 4 Final	2.00	8.00	158	0.38
Demolition/Utility Relocation	Generator Sets	Diesel	Average	1.00	8.00	14.0	0.74
Demolition/Utility Relocation	Other Construction Equipment	Diesel	Tier 4 Final	1.00	8.00	82.0	0.42
Demolition/Utility Relocation	Skid Steer Loaders	Diesel	Tier 4 Final	3.00	8.00	71.0	0.37
Demolition/Utility Relocation	Tractors/Loaders/Backhoes	Diesel	Tier 4 Final	3.00	8.00	84.0	0.37
Grading/Shoring/Excavation	Bore/Drill Rigs	Diesel	Tier 4 Final	2.00	8.00	83.0	0.50
Grading/Shoring/Excavation	Excavators	Diesel	Tier 4 Final	3.00	8.00	158	0.38

Grading/Shoring/Exca	Other Construction Equipment	Diesel	Tier 4 Final	1.00	8.00	82.0	0.42
Grading/Shoring/Excavation	Plate Compactors	Diesel	Average	2.00	8.00	8.00	0.43
Grading/Shoring/Excavation	Rollers	Diesel	Tier 4 Final	2.00	8.00	36.0	0.38
Grading/Shoring/Excavation	Rubber Tired Loaders	Diesel	Tier 4 Final	2.00	8.00	150	0.36
Grading/Shoring/Excavation	Skid Steer Loaders	Diesel	Tier 4 Final	2.00	8.00	71.0	0.37
Building Foundation	Air Compressors	Diesel	Tier 4 Final	2.00	8.00	37.0	0.48
Building Foundation	Cement and Mortar Mixers	Diesel	Average	1.00	8.00	10.0	0.56
Building Foundation	Concrete/Industrial Saws	Diesel	Tier 4 Final	3.00	8.00	33.0	0.73
Building Foundation	Cranes	Diesel	Tier 4 Final	1.00	8.00	367	0.29
Building Foundation	Cranes	Electric	Average	1.00	8.00	367	0.29
Building Foundation	Excavators	Diesel	Tier 4 Final	1.00	8.00	158	0.38
Building Foundation	Forklifts	Diesel	Tier 4 Final	2.00	8.00	82.0	0.20
Building Foundation	Pumps	Diesel	Average	2.00	8.00	11.0	0.74
Building Foundation	Plate Compactors	Diesel	Average	2.00	8.00	8.00	0.43
Building Foundation	Rough Terrain Forklifts	Diesel	Tier 4 Final	3.00	8.00	96.0	0.40
Building Foundation	Tractors/Loaders/Backhoes	Diesel	Tier 4 Final	2.00	8.00	84.0	0.37
Building Foundation	Welders	Diesel	Tier 4 Final	2.00	8.00	46.0	0.45
Building Construction	Aerial Lifts	Diesel	Tier 4 Final	3.00	8.00	46.0	0.31
Building Construction	Cranes	Electric	Average	1.00	8.00	367	0.29
Paving	Cranes	Diesel	Tier 4 Final	1.00	8.00	367	0.29
Paving	Other Construction Equipment	Diesel	Tier 4 Final	1.00	8.00	82.0	0.42
Paving	Paving Equipment	Diesel	Tier 4 Final	1.00	8.00	89.0	0.36
Paving	Plate Compactors	Diesel	Average	2.00	8.00	8.00	0.43

Paving	Rollers	Diesel	Tier 4 Final	2.00	8.00	36.0	0.38
Paving	Signal Boards	Diesel	Average	2.00	8.00	6.00	0.82
Paving	Tractors/Loaders/Backhoes	Diesel	Tier 4 Final	2.00	8.00	84.0	0.37

5.3. Construction Vehicles

5.3.1. Unmitigated

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix
Demolition/Utility Relocation	—	—	—	—
Demolition/Utility Relocation	Worker	0.00	18.5	LDA,LDT1,LDT2
Demolition/Utility Relocation	Vendor	0.00	10.2	HHDT,MHDT
Demolition/Utility Relocation	Hauling	0.00	25.0	HHDT
Demolition/Utility Relocation	Onsite truck	12.0	0.28	HHDT
Grading/Shoring/Excavation	—	—	—	—
Grading/Shoring/Excavation	Worker	0.00	18.5	LDA,LDT1,LDT2
Grading/Shoring/Excavation	Vendor	0.00	10.2	HHDT,MHDT
Grading/Shoring/Excavation	Hauling	0.00	25.0	HHDT
Grading/Shoring/Excavation	Onsite truck	123	0.28	HHDT
Building Foundation	—	—	—	—
Building Foundation	Worker	0.00	18.5	LDA,LDT1,LDT2
Building Foundation	Vendor	0.00	10.2	HHDT,MHDT
Building Foundation	Hauling	0.00	20.0	HHDT
Building Foundation	Onsite truck	0.00	0.00	HHDT
Paving	—	—	—	—
Paving	Worker	0.00	18.5	LDA,LDT1,LDT2
Paving	Vendor	0.00	10.2	HHDT,MHDT
Paving	Hauling	0.00	20.0	HHDT
Paving	Onsite truck	0.00	0.00	HHDT

Architectural Coating	—	—	—	—
Architectural Coating	Worker	0.00	18.5	LDA,LDT1,LDT2
Architectural Coating	Vendor	0.00	10.2	HHDT,MHDT
Architectural Coating	Hauling	0.00	20.0	HHDT
Architectural Coating	Onsite truck	0.00	0.00	HHDT
Building Construction	—	—	—	—
Building Construction	Worker	0.00	18.5	LDA,LDT1,LDT2
Building Construction	Vendor	0.00	10.2	HHDT,MHDT
Building Construction	Hauling	0.00	20.0	HHDT
Building Construction	Onsite truck	0.00	0.00	HHDT

5.4. Vehicles

5.4.1. Construction Vehicle Control Strategies

Control Strategies Applied	PM10 Reduction	PM2.5 Reduction
Water unpaved roads twice daily	55%	55%
Limit vehicle speeds on unpaved roads to 25 mph	44%	44%

5.5. Architectural Coatings

Phase Name	Residential Interior Area Coated (sq ft)	Residential Exterior Area Coated (sq ft)	Non-Residential Interior Area Coated (sq ft)	Non-Residential Exterior Area Coated (sq ft)	Parking Area Coated (sq ft)
Architectural Coating	681,415	227,138	9,600	1,440	10,562

5.6. Dust Mitigation

5.6.1. Construction Earthmoving Activities

Phase Name	Material Imported (Cubic Yards)	Material Exported (Cubic Yards)	Acres Graded (acres)	Material Demolished (Building Square Footage)	Acres Paved (acres)

Demolition/Utility Relocation	0.00	0.00	0.00	0.00	—
Grading/Shoring/Excavation	0.00	73,440	0.00	0.00	—
Paving	0.00	0.00	0.00	0.00	4.04

5.6.2. Construction Earthmoving Control Strategies

Control Strategies Applied	Frequency (per day)	PM10 Reduction	PM2.5 Reduction
Water Exposed Area	3	74%	74%
Water Demolished Area	2	36%	36%

5.7. Construction Paving

Land Use	Area Paved (acres)	% Asphalt
Apartments Mid Rise	—	0%
High Turnover (Sit Down Restaurant)	0.00	0%
Recreational Swimming Pool	0.00	0%
Enclosed Parking with Elevator	4.04	100%

5.8. Construction Electricity Consumption and Emissions Factors

kWh per Year and Emission Factor (lb/MWh)

Year	kWh per Year	CO2	CH4	N2O
2027	635	406	0.05	0.01
2028	1,270	386	0.05	0.01
2029	635	365	0.05	0.01

5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres

5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

Biomass Cover Type	Initial Acres	Final Acres

5.18.2. Sequestration

5.18.2.1. Unmitigated

Tree Type	Number	Electricity Saved (kWh/year)	Natural Gas Saved (btu/year)

6. Climate Risk Detailed Report

6.1. Climate Risk Summary

Cal-Adapt midcentury 2040–2059 average projections for four hazards are reported below for your project location. These are under Representation Concentration Pathway (RCP) 8.5 which assumes GHG emissions will continue to rise strongly through 2050 and then plateau around 2100.

Climate Hazard	Result for Project Location	Unit
Temperature and Extreme Heat	9.52	annual days of extreme heat
Extreme Precipitation	6.15	annual days with precipitation above 20 mm
Sea Level Rise	—	meters of inundation depth
Wildfire	0.00	annual hectares burned

Temperature and Extreme Heat data are for grid cell in which your project are located. The projection is based on the 98th historical percentile of daily maximum/minimum temperatures from observed historical data (32 climate model ensemble from Cal-Adapt, 2040–2059 average under RCP 8.5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.
Extreme Precipitation data are for the grid cell in which your project are located. The threshold of 20 mm is equivalent to about ¾ an inch of rain, which would be light to moderate rainfall if received over a full day or heavy rain if received over a period of 2 to 4 hours. Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.
Sea Level Rise data are for the grid cell in which your project are located. The projections are from Radke et al. (2017), as reported in Cal-Adapt (Radke et al., 2017, CEC-500-2017-008), and consider inundation location and depth for the San Francisco Bay, the Sacramento-San Joaquin River Delta and California coast resulting different increments of sea level rise coupled with extreme storm events. Users may select from four scenarios to view the range in potential inundation depth for the grid cell. The four scenarios are: No rise, 0.5 meter, 1.0 meter, 1.41 meters

Wildfire data are for the grid cell in which your project are located. The projections are from UC Davis, as reported in Cal-Adapt (2040–2059 average under RCP 8.5), and consider historical data of climate, vegetation, population density, and large (> 400 ha) fire history. Users may select from four model simulations to view the range in potential wildfire probabilities for the grid cell. The four simulations make different assumptions about expected rainfall and temperature are: Warmer/drier (HadGEM2-ES), Cooler/wetter (CNRM-CM5), Average conditions (CanESM2), Range of different rainfall and temperature possibilities (MIROC5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.

6.2. Initial Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	N/A	N/A	N/A	N/A
Extreme Precipitation	N/A	N/A	N/A	N/A
Sea Level Rise	N/A	N/A	N/A	N/A
Wildfire	N/A	N/A	N/A	N/A
Flooding	N/A	N/A	N/A	N/A
Drought	N/A	N/A	N/A	N/A
Snowpack Reduction	N/A	N/A	N/A	N/A
Air Quality Degradation	N/A	N/A	N/A	N/A

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.
The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.
The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores do not include implementation of climate risk reduction measures.

6.3. Adjusted Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	N/A	N/A	N/A	N/A
Extreme Precipitation	N/A	N/A	N/A	N/A
Sea Level Rise	N/A	N/A	N/A	N/A
Wildfire	N/A	N/A	N/A	N/A
Flooding	N/A	N/A	N/A	N/A
Drought	N/A	N/A	N/A	N/A
Snowpack Reduction	N/A	N/A	N/A	N/A
Air Quality Degradation	N/A	N/A	N/A	N/A

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.
The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.
The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores include implementation of climate risk reduction measures.

6.4. Climate Risk Reduction Measures

7. Health and Equity Details

7.1. CalEnviroScreen 4.0 Scores

The maximum CalEnviroScreen score is 100. A high score (i.e., greater than 50) reflects a higher pollution burden compared to other census tracts in the state.

Indicator	Result for Project Census Tract
Exposure Indicators	—
AQ-Ozone	50.5
AQ-PM	89.2
AQ-DPM	95.5
Drinking Water	92.5
Lead Risk Housing	71.6
Pesticides	0.00
Toxic Releases	82.2
Traffic	85.9
Effect Indicators	—
CleanUp Sites	97.2
Groundwater	78.1
Haz Waste Facilities/Generators	98.8
Impaired Water Bodies	66.7
Solid Waste	96.0
Sensitive Population	—
Asthma	97.7

Cardio-vascular	65.1
Low Birth Weights	71.6
Socioeconomic Factor Indicators	—
Education	74.4
Housing	68.5
Linguistic	91.8
Poverty	75.4
Unemployment	79.7

7.2. Healthy Places Index Scores

The maximum Health Places Index score is 100. A high score (i.e., greater than 50) reflects healthier community conditions compared to other census tracts in the state.

Indicator	Result for Project Census Tract
Economic	—
Above Poverty	10.5350956
Employed	49.30065443
Median HI	4.273065572
Education	—
Bachelor's or higher	63.26190171
High school enrollment	100
Preschool enrollment	95.7141024
Transportation	—
Auto Access	1.180546644
Active commuting	97.42076222
Social	—
2-parent households	4.119081227
Voting	13.0373412
Neighborhood	—
Alcohol availability	9.5983575

Park access	81.35506224
Retail density	43.6160657
Supermarket access	82.8564096
Tree canopy	14.50019248
Housing	—
Homeownership	6.723983062
Housing habitability	0.166816374
Low-inc homeowner severe housing cost burden	1.475683306
Low-inc renter severe housing cost burden	66.38008469
Uncrowded housing	6.300526113
Health Outcomes	—
Insured adults	5.902733222
Arthritis	53.0
Asthma ER Admissions	1.4
High Blood Pressure	12.0
Cancer (excluding skin)	82.6
Asthma	21.6
Coronary Heart Disease	15.5
Chronic Obstructive Pulmonary Disease	14.4
Diagnosed Diabetes	11.3
Life Expectancy at Birth	5.1
Cognitively Disabled	13.7
Physically Disabled	6.4
Heart Attack ER Admissions	46.0
Mental Health Not Good	14.9
Chronic Kidney Disease	20.1
Obesity	9.6
Pedestrian Injuries	100.0

Physical Health Not Good	12.4
Stroke	13.0
Health Risk Behaviors	—
Binge Drinking	60.3
Current Smoker	7.4
No Leisure Time for Physical Activity	24.7
Climate Change Exposures	—
Wildfire Risk	0.0
SLR Inundation Area	0.0
Children	76.4
Elderly	97.3
English Speaking	7.7
Foreign-born	75.6
Outdoor Workers	46.0
Climate Change Adaptive Capacity	—
Impervious Surface Cover	0.0
Traffic Density	90.2
Traffic Access	87.4
Other Indices	—
Hardship	82.8
Other Decision Support	—
2016 Voting	5.0

7.3. Overall Health & Equity Scores

Metric	Result for Project Census Tract
CalEnviroScreen 4.0 Score for Project Location (a)	100
Healthy Places Index Score for Project Location (b)	14.0
Project Located in a Designated Disadvantaged Community (Senate Bill 535)	Yes

Project Located in a Low-Income Community (Assembly Bill 1550)	Yes
Project Located in a Community Air Protection Program Community (Assembly Bill 617)	No

a: The maximum CalEnviroScreen score is 100. A high score (i.e., greater than 50) reflects a higher pollution burden compared to other census tracts in the state.
b: The maximum Health Places Index score is 100. A high score (i.e., greater than 50) reflects healthier community conditions compared to other census tracts in the state.

7.4. Health & Equity Measures

No Health & Equity Measures selected.

7.5. Evaluation Scorecard

Health & Equity Evaluation Scorecard not completed.

7.6. Health & Equity Custom Measures

No Health & Equity Custom Measures created.

8. User Changes to Default Data

Screen	Justification
Construction: Construction Phases	see construction assumptions
Construction: Off-Road Equipment	see construction assumptions
Construction: Trips and VMT	see construction assumptions
Construction: On-Road Fugitive Dust	see construction assumptions
Construction: Electricity	Carbon intensity for construction years
Land Use	Project Specific

DTLA Row - Construction Onsite South Lot Building B Detailed Report

Table of Contents

1. Basic Project Information

1.1. Basic Project Information

1.2. Land Use Types

1.3. User-Selected Emission Reduction Measures by Emissions Sector

2. Emissions Summary

2.1. Construction Emissions Compared Against Thresholds

2.2. Construction Emissions by Year, Unmitigated

3. Construction Emissions Details

3.1. Demolition/Utility Relocation (2026) - Unmitigated

3.3. Grading/Shoring/Excavation (2026) - Unmitigated

3.5. Building Foundation (2026) - Unmitigated

3.7. Building Foundation (2027) - Unmitigated

3.9. Building Construction (2027) - Unmitigated

3.11. Building Construction (2028) - Unmitigated

3.13. Paving (2028) - Unmitigated

3.15. Architectural Coating (2028) - Unmitigated

4. Operations Emissions Details

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

4.10.2. Above and Belowground Carbon Accumulation by Land Use Type - Unmitigated

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

5. Activity Data

5.1. Construction Schedule

5.2. Off-Road Equipment

5.2.1. Unmitigated

5.3. Construction Vehicles

5.3.1. Unmitigated

5.4. Vehicles

5.4.1. Construction Vehicle Control Strategies

5.5. Architectural Coatings

5.6. Dust Mitigation

5.6.1. Construction Earthmoving Activities

5.6.2. Construction Earthmoving Control Strategies

5.7. Construction Paving

5.8. Construction Electricity Consumption and Emissions Factors

5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

5.18.2. Sequestration

5.18.2.1. Unmitigated

6. Climate Risk Detailed Report

6.1. Climate Risk Summary

6.2. Initial Climate Risk Scores

6.3. Adjusted Climate Risk Scores

6.4. Climate Risk Reduction Measures

7. Health and Equity Details

7.1. CalEnviroScreen 4.0 Scores

7.2. Healthy Places Index Scores

7.3. Overall Health & Equity Scores

7.4. Health & Equity Measures

7.5. Evaluation Scorecard

7.6. Health & Equity Custom Measures

8. User Changes to Default Data

1. Basic Project Information

1.1. Basic Project Information

Data Field	Value
Project Name	DTLA Row - Construction Onsite South Lot Building B
Construction Start Date	6/2/2026
Lead Agency	—
Land Use Scale	Project/site
Analysis Level for Defaults	County
Windspeed (m/s)	0.50
Precipitation (days)	18.4
Location	34.032905802980835, -118.23935798232272
County	Los Angeles-South Coast
City	Los Angeles
Air District	South Coast AQMD
Air Basin	South Coast
TAZ	4066
EDFZ	16
Electric Utility	Los Angeles Department of Water & Power
Gas Utility	Southern California Gas
App Version	2022.1.1.29

1.2. Land Use Types

Land Use Subtype	Size	Unit	Lot Acreage	Building Area (sq ft)	Landscape Area (sq ft)	Special Landscape Area (sq ft)	Population	Description
Apartments Mid Rise	214	Dwelling Unit	1.01	182,605	6,957	0.00	633	—

Recreational Swimming Pool	0.40	1000sqft	0.00	397	0.00	0.00	—	—
Enclosed Parking with Elevator	204	Space	1.84	81,600	0.00	0.00	—	—

1.3. User-Selected Emission Reduction Measures by Emissions Sector

No measures selected

2. Emissions Summary

2.1. Construction Emissions Compared Against Thresholds

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Un/Mit.	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Unmit.	8.16	12.5	37.4	0.05	0.15	12.8	13.0	0.14	1.28	1.43	5,536
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Unmit.	8.16	9.98	29.9	0.05	0.13	0.00	0.13	0.12	0.00	0.12	4,638
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—
Unmit.	3.42	3.28	10.3	0.02	0.04	1.52	1.57	0.04	0.15	0.19	1,569
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—
Unmit.	0.62	0.60	1.88	< 0.005	0.01	0.28	0.29	0.01	0.03	0.04	260

2.2. Construction Emissions by Year, Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Year	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—

2026	0.83	12.5	37.4	0.05	0.15	12.8	13.0	0.14	1.28	1.43	5,536
2027	0.66	9.98	29.9	0.05	0.13	0.00	0.13	0.12	0.00	0.12	4,638
2028	8.16	4.35	17.3	0.03	0.10	0.00	0.10	0.09	0.00	0.09	2,804
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
2026	0.62	8.60	27.9	0.05	0.12	0.00	0.12	0.12	0.00	0.12	4,342
2027	0.66	9.98	29.9	0.05	0.13	0.00	0.13	0.12	0.00	0.12	4,638
2028	8.16	4.35	17.3	0.03	0.10	0.00	0.10	0.09	0.00	0.09	2,804
Average Daily	—	—	—	—	—	—	—	—	—	—	—
2026	0.23	3.28	10.3	0.02	0.04	1.52	1.57	0.04	0.15	0.19	1,569
2027	0.14	2.34	6.21	0.01	0.02	0.00	0.02	0.02	0.00	0.02	952
2028	3.42	1.55	6.45	0.01	0.04	0.00	0.04	0.03	0.00	0.03	1,045
Annual	—	—	—	—	—	—	—	—	—	—	—
2026	0.04	0.60	1.88	< 0.005	0.01	0.28	0.29	0.01	0.03	0.04	260
2027	0.03	0.43	1.13	< 0.005	< 0.005	0.00	< 0.005	< 0.005	0.00	< 0.005	158
2028	0.62	0.28	1.18	< 0.005	0.01	0.00	0.01	0.01	0.00	0.01	173

3. Construction Emissions Details

3.1. Demolition/Utility Relocation (2026) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.35	5.63	14.7	0.02	0.07	—	0.07	0.07	—	0.07	2,127
Demolition	—	—	—	—	—	0.00	0.00	—	0.00	0.00	—
Onsite truck	0.01	0.18	0.13	< 0.005	< 0.005	0.84	0.84	< 0.005	0.08	0.08	33.0

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.04	0.63	1.65	< 0.005	0.01	—	0.01	0.01	—	0.01	239
Demolition	—	—	—	—	—	0.00	0.00	—	0.00	0.00	—
Onsite truck	< 0.005	0.02	0.01	< 0.005	< 0.005	0.09	0.09	< 0.005	0.01	0.01	3.72
Annual	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.12	0.30	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	39.6
Demolition	—	—	—	—	—	0.00	0.00	—	0.00	0.00	—
Onsite truck	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	< 0.005	0.62
Offsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.3. Grading/Shoring/Excavation (2026) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.39	4.85	21.2	0.03	0.08	—	0.08	0.07	—	0.07	3,035
Dust From Material Movement	—	—	—	—	—	< 0.005	< 0.005	—	< 0.005	< 0.005	—
Onsite truck	0.08	1.84	1.35	< 0.005	< 0.005	12.0	12.0	< 0.005	1.20	1.20	341
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.05	0.61	2.67	< 0.005	0.01	—	0.01	0.01	—	0.01	382
Dust From Material Movement	—	—	—	—	—	< 0.005	< 0.005	—	< 0.005	< 0.005	—
Onsite truck	0.01	0.24	0.17	< 0.005	< 0.005	1.43	1.43	< 0.005	0.14	0.14	43.2
Annual	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.11	0.49	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	63.3
Dust From Material Movement	—	—	—	—	—	< 0.005	< 0.005	—	< 0.005	< 0.005	—
Onsite truck	< 0.005	0.04	0.03	< 0.005	< 0.005	0.26	0.26	< 0.005	0.03	0.03	7.15
Offsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.5. Building Foundation (2026) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.62	8.60	27.9	0.05	0.12	—	0.12	0.12	—	0.12	4,342
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.62	8.60	27.9	0.05	0.12	—	0.12	0.12	—	0.12	4,342
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.13	1.78	5.78	0.01	0.03	—	0.03	0.02	—	0.02	901
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	0.02	0.33	1.06	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	149
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.7. Building Foundation (2027) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	0.62	8.59	27.9	0.05	0.12	—	0.12	0.12	—	0.12	4,341
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.62	8.59	27.9	0.05	0.12	—	0.12	0.12	—	0.12	4,341
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.11	1.55	5.02	0.01	0.02	—	0.02	0.02	—	0.02	782
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.28	0.92	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	129
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Annual	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.9. Building Construction (2027) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.05	1.38	2.06	< 0.005	0.01	—	0.01	0.01	—	0.01	296
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.05	1.38	2.06	< 0.005	0.01	—	0.01	0.01	—	0.01	296
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.03	0.80	1.19	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	170
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	0.15	0.22	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	28.2
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.11. Building Construction (2028) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.05	1.38	2.06	< 0.005	0.01	—	0.01	0.01	—	0.01	296
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.05	1.38	2.06	< 0.005	0.01	—	0.01	0.01	—	0.01	296
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Average Daily	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.42	0.63	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	89.9
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	0.08	0.11	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	14.9
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.13. Paving (2028) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.39	2.96	15.3	0.02	0.09	—	0.09	0.09	—	0.09	2,507
Paving	0.03	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.39	2.96	15.3	0.02	0.09	—	0.09	0.09	—	0.09	2,507
Paving	0.03	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.15	1.13	5.82	0.01	0.03	—	0.03	0.03	—	0.03	955
Paving	0.01	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.03	0.21	1.06	< 0.005	0.01	—	0.01	0.01	—	0.01	158
Paving	< 0.005	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.15. Architectural Coating (2028) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	7.69	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	7.69	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—

Architectural Coatings	3.24	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.59	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

4. Operations Emissions Details

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Vegetation	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—

4.10.2. Above and Belowground Carbon Accumulation by Land Use Type - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Species	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—

5. Activity Data

5.1. Construction Schedule

Phase Name	Phase Type	Start Date	End Date	Days Per Week	Work Days per Phase	Phase Description
Demolition/Utility Relocation	Demolition	6/2/2026	7/28/2026	5.00	41.0	—
Grading/Shoring/Excavation	Grading	7/15/2026	9/16/2026	5.00	46.0	—
Building Foundation	Building Construction	9/17/2026	4/2/2027	5.00	142	—
Building Construction	Building Construction	3/13/2027	6/3/2028	5.00	320	—
Paving	Paving	1/22/2028	8/3/2028	5.00	139	—
Architectural Coating	Architectural Coating	1/1/2028	8/3/2028	5.00	154	—

5.2. Off-Road Equipment

5.2.1. Unmitigated

Phase Name	Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
Demolition/Utility Relocation	Air Compressors	Diesel	Tier 4 Final	2.00	8.00	37.0	0.48
Demolition/Utility Relocation	Excavators	Diesel	Tier 4 Final	1.00	8.00	158	0.38
Demolition/Utility Relocation	Generator Sets	Diesel	Average	1.00	8.00	14.0	0.74
Demolition/Utility Relocation	Other Construction Equipment	Diesel	Tier 4 Final	1.00	8.00	82.0	0.42
Demolition/Utility Relocation	Skid Steer Loaders	Diesel	Tier 4 Final	2.00	8.00	71.0	0.37
Demolition/Utility Relocation	Tractors/Loaders/Backhoes	Diesel	Tier 4 Final	1.00	8.00	84.0	0.37
Grading/Shoring/Excavation	Bore/Drill Rigs	Diesel	Tier 4 Final	1.00	8.00	83.0	0.50
Grading/Shoring/Excavation	Excavators	Diesel	Tier 4 Final	2.00	8.00	158	0.38

Grading/Shoring/Exca	Other Construction Equipment	Diesel	Tier 4 Final	1.00	8.00	82.0	0.42
Grading/Shoring/Excavation	Plate Compactors	Diesel	Average	2.00	8.00	8.00	0.43
Grading/Shoring/Excavation	Rollers	Diesel	Tier 4 Final	1.00	8.00	36.0	0.38
Grading/Shoring/Excavation	Rubber Tired Loaders	Diesel	Tier 4 Final	1.00	8.00	150	0.36
Grading/Shoring/Excavation	Skid Steer Loaders	Diesel	Tier 4 Final	2.00	8.00	71.0	0.37
Building Foundation	Air Compressors	Diesel	Tier 4 Final	2.00	8.00	37.0	0.48
Building Foundation	Cement and Mortar Mixers	Diesel	Tier 4 Final	1.00	8.00	10.0	0.56
Building Foundation	Concrete/Industrial Saws	Diesel	Tier 4 Final	2.00	8.00	33.0	0.73
Building Foundation	Cranes	Diesel	Tier 4 Final	1.00	8.00	367	0.29
Building Foundation	Excavators	Diesel	Tier 4 Final	1.00	8.00	158	0.38
Building Foundation	Forklifts	Diesel	Tier 4 Final	2.00	8.00	82.0	0.20
Building Foundation	Pumps	Diesel	Average	1.00	8.00	11.0	0.74
Building Foundation	Plate Compactors	Diesel	Average	2.00	8.00	8.00	0.43
Building Foundation	Rough Terrain Forklifts	Diesel	Tier 4 Final	2.00	8.00	96.0	0.40
Building Foundation	Tractors/Loaders/Backhoes	Diesel	Tier 4 Final	1.00	8.00	84.0	0.37
Building Foundation	Welders	Diesel	Tier 4 Final	2.00	8.00	46.0	0.45
Building Construction	Aerial Lifts	Diesel	Tier 4 Final	2.00	8.00	46.0	0.31
Paving	Cranes	Diesel	Tier 4 Final	1.00	8.00	367	0.29
Paving	Other Construction Equipment	Diesel	Tier 4 Final	1.00	8.00	82.0	0.42
Paving	Paving Equipment	Diesel	Tier 4 Final	1.00	8.00	89.0	0.36
Paving	Plate Compactors	Diesel	Average	2.00	8.00	8.00	0.43
Paving	Rollers	Diesel	Tier 4 Final	1.00	8.00	36.0	0.38
Paving	Signal Boards	Diesel	Average	2.00	8.00	6.00	0.82

Paving	Tractors/Loaders/Back	Diesel	Tier 4 Final	2.00	8.00	84.0	0.37

5.3. Construction Vehicles

5.3.1. Unmitigated

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix
Demolition/Utility Relocation	—	—	—	—
Demolition/Utility Relocation	Worker	0.00	18.5	LDA,LDT1,LDT2
Demolition/Utility Relocation	Vendor	0.00	10.2	HHDT,MHDT
Demolition/Utility Relocation	Hauling	0.00	25.0	HHDT
Demolition/Utility Relocation	Onsite truck	12.0	0.28	HHDT
Grading/Shoring/Excavation	—	—	—	—
Grading/Shoring/Excavation	Worker	0.00	18.5	LDA,LDT1,LDT2
Grading/Shoring/Excavation	Vendor	0.00	10.2	HHDT,MHDT
Grading/Shoring/Excavation	Hauling	0.00	25.0	HHDT
Grading/Shoring/Excavation	Onsite truck	124	0.28	HHDT
Building Foundation	—	—	—	—
Building Foundation	Worker	0.00	18.5	LDA,LDT1,LDT2
Building Foundation	Vendor	0.00	10.2	HHDT,MHDT
Building Foundation	Hauling	0.00	20.0	HHDT
Building Foundation	Onsite truck	0.00	0.00	HHDT
Paving	—	—	—	—
Paving	Worker	0.00	18.5	LDA,LDT1,LDT2
Paving	Vendor	0.00	10.2	HHDT,MHDT
Paving	Hauling	0.00	20.0	HHDT
Paving	Onsite truck	0.00	0.00	HHDT
Architectural Coating	—	—	—	—
Architectural Coating	Worker	0.00	18.5	LDA,LDT1,LDT2

Architectural Coating	Vendor	0.00	10.2	HHDT,MHDT
Architectural Coating	Hauling	0.00	20.0	HHDT
Architectural Coating	Onsite truck	0.00	0.00	HHDT
Building Construction	—	—	—	—
Building Construction	Worker	0.00	18.5	LDA,LDT1,LDT2
Building Construction	Vendor	0.00	10.2	HHDT,MHDT
Building Construction	Hauling	0.00	20.0	HHDT
Building Construction	Onsite truck	0.00	0.00	HHDT

5.4. Vehicles

5.4.1. Construction Vehicle Control Strategies

Control Strategies Applied	PM10 Reduction	PM2.5 Reduction
Water unpaved roads twice daily	55%	55%
Limit vehicle speeds on unpaved roads to 25 mph	44%	44%

5.5. Architectural Coatings

Phase Name	Residential Interior Area Coated (sq ft)	Residential Exterior Area Coated (sq ft)	Non-Residential Interior Area Coated (sq ft)	Non-Residential Exterior Area Coated (sq ft)	Parking Area Coated (sq ft)
Architectural Coating	369,775	123,258	3,599	400	4,799

5.6. Dust Mitigation

5.6.1. Construction Earthmoving Activities

Phase Name	Material Imported (Cubic Yards)	Material Exported (Cubic Yards)	Acres Graded (acres)	Material Demolished (Building Square Footage)	Acres Paved (acres)
Demolition/Utility Relocation	0.00	0.00	0.00	0.00	—
Grading/Shoring/Excavation	0.00	42,960	0.00	0.00	—

Paving	0.00	0.00	0.00	0.00	1.84

5.6.2. Construction Earthmoving Control Strategies

Control Strategies Applied	Frequency (per day)	PM10 Reduction	PM2.5 Reduction
Water Exposed Area	3	74%	74%
Water Demolished Area	2	36%	36%

5.7. Construction Paving

Land Use	Area Paved (acres)	% Asphalt
Apartments Mid Rise	—	0%
Recreational Swimming Pool	0.00	0%
Enclosed Parking with Elevator	1.84	100%

5.8. Construction Electricity Consumption and Emissions Factors

kWh per Year and Emission Factor (lb/MWh)

Year	kWh per Year	CO2	CH4	N2O
2027	0.00	690	0.05	0.01
2028	0.00	690	0.05	0.01
2026	0.00	690	0.05	0.01

5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres

5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

Biomass Cover Type	Initial Acres	Final Acres

5.18.2. Sequestration

5.18.2.1. Unmitigated

Tree Type	Number	Electricity Saved (kWh/year)	Natural Gas Saved (btu/year)

6. Climate Risk Detailed Report

6.1. Climate Risk Summary

Cal-Adapt midcentury 2040–2059 average projections for four hazards are reported below for your project location. These are under Representation Concentration Pathway (RCP) 8.5 which assumes GHG emissions will continue to rise strongly through 2050 and then plateau around 2100.

Climate Hazard	Result for Project Location	Unit
Temperature and Extreme Heat	9.52	annual days of extreme heat
Extreme Precipitation	6.15	annual days with precipitation above 20 mm
Sea Level Rise	—	meters of inundation depth
Wildfire	0.00	annual hectares burned

Temperature and Extreme Heat data are for grid cell in which your project are located. The projection is based on the 98th historical percentile of daily maximum/minimum temperatures from observed historical data (32 climate model ensemble from Cal-Adapt, 2040–2059 average under RCP 8.5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.
Extreme Precipitation data are for the grid cell in which your project are located. The threshold of 20 mm is equivalent to about ¾ an inch of rain, which would be light to moderate rainfall if received over a full day or heavy rain if received over a period of 2 to 4 hours. Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.
Sea Level Rise data are for the grid cell in which your project are located. The projections are from Radke et al. (2017), as reported in Cal-Adapt (Radke et al., 2017, CEC-500-2017-008), and consider inundation location and depth for the San Francisco Bay, the Sacramento-San Joaquin River Delta and California coast resulting different increments of sea level rise coupled with extreme storm events. Users may select from four scenarios to view the range in potential inundation depth for the grid cell. The four scenarios are: No rise, 0.5 meter, 1.0 meter, 1.41 meters
Wildfire data are for the grid cell in which your project are located. The projections are from UC Davis, as reported in Cal-Adapt (2040–2059 average under RCP 8.5), and consider historical data of climate, vegetation, population density, and large (> 400 ha) fire history. Users may select from four model simulations to view the range in potential wildfire probabilities for the grid cell. The four simulations make different assumptions about expected rainfall and temperature are: Warmer/drier (HadGEM2-ES), Cooler/wetter (CNRM-CM5), Average conditions (CanESM2), Range of different rainfall and temperature possibilities (MIROC5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.

6.2. Initial Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	N/A	N/A	N/A	N/A
Extreme Precipitation	N/A	N/A	N/A	N/A
Sea Level Rise	N/A	N/A	N/A	N/A
Wildfire	N/A	N/A	N/A	N/A
Flooding	N/A	N/A	N/A	N/A
Drought	N/A	N/A	N/A	N/A
Snowpack Reduction	N/A	N/A	N/A	N/A
Air Quality Degradation	N/A	N/A	N/A	N/A

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.
The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.
The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores do not include implementation of climate risk reduction measures.

6.3. Adjusted Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	N/A	N/A	N/A	N/A
Extreme Precipitation	N/A	N/A	N/A	N/A
Sea Level Rise	N/A	N/A	N/A	N/A
Wildfire	N/A	N/A	N/A	N/A
Flooding	N/A	N/A	N/A	N/A
Drought	N/A	N/A	N/A	N/A
Snowpack Reduction	N/A	N/A	N/A	N/A
Air Quality Degradation	N/A	N/A	N/A	N/A

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.

The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.
The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores include implementation of climate risk reduction measures.

6.4. Climate Risk Reduction Measures

7. Health and Equity Details

7.1. CalEnviroScreen 4.0 Scores

The maximum CalEnviroScreen score is 100. A high score (i.e., greater than 50) reflects a higher pollution burden compared to other census tracts in the state.

Indicator	Result for Project Census Tract
Exposure Indicators	—
AQ-Ozone	50.5
AQ-PM	89.2
AQ-DPM	95.5
Drinking Water	92.5
Lead Risk Housing	71.6
Pesticides	0.00
Toxic Releases	82.2
Traffic	85.9
Effect Indicators	—
CleanUp Sites	97.2
Groundwater	78.1
Haz Waste Facilities/Generators	98.8
Impaired Water Bodies	66.7
Solid Waste	96.0
Sensitive Population	—
Asthma	97.7
Cardio-vascular	65.1
Low Birth Weights	71.6

Socioeconomic Factor Indicators	—
Education	74.4
Housing	68.5
Linguistic	91.8
Poverty	75.4
Unemployment	79.7

7.2. Healthy Places Index Scores

The maximum Health Places Index score is 100. A high score (i.e., greater than 50) reflects healthier community conditions compared to other census tracts in the state.

Indicator	Result for Project Census Tract
Economic	—
Above Poverty	10.5350956
Employed	49.30065443
Median HI	4.273065572
Education	—
Bachelor's or higher	63.26190171
High school enrollment	100
Preschool enrollment	95.7141024
Transportation	—
Auto Access	1.180546644
Active commuting	97.42076222
Social	—
2-parent households	4.119081227
Voting	13.0373412
Neighborhood	—
Alcohol availability	9.5983575
Park access	81.35506224
Retail density	43.6160657

Supermarket access	82.8564096
Tree canopy	14.50019248
Housing	—
Homeownership	6.723983062
Housing habitability	0.166816374
Low-inc homeowner severe housing cost burden	1.475683306
Low-inc renter severe housing cost burden	66.38008469
Uncrowded housing	6.300526113
Health Outcomes	—
Insured adults	5.902733222
Arthritis	53.0
Asthma ER Admissions	1.4
High Blood Pressure	12.0
Cancer (excluding skin)	82.6
Asthma	21.6
Coronary Heart Disease	15.5
Chronic Obstructive Pulmonary Disease	14.4
Diagnosed Diabetes	11.3
Life Expectancy at Birth	5.1
Cognitively Disabled	13.7
Physically Disabled	6.4
Heart Attack ER Admissions	46.0
Mental Health Not Good	14.9
Chronic Kidney Disease	20.1
Obesity	9.6
Pedestrian Injuries	100.0
Physical Health Not Good	12.4
Stroke	13.0

Health Risk Behaviors	—
Binge Drinking	60.3
Current Smoker	7.4
No Leisure Time for Physical Activity	24.7
Climate Change Exposures	—
Wildfire Risk	0.0
SLR Inundation Area	0.0
Children	76.4
Elderly	97.3
English Speaking	7.7
Foreign-born	75.6
Outdoor Workers	46.0
Climate Change Adaptive Capacity	—
Impervious Surface Cover	0.0
Traffic Density	90.2
Traffic Access	87.4
Other Indices	—
Hardship	82.8
Other Decision Support	—
2016 Voting	5.0

7.3. Overall Health & Equity Scores

Metric	Result for Project Census Tract
CalEnviroScreen 4.0 Score for Project Location (a)	100
Healthy Places Index Score for Project Location (b)	14.0
Project Located in a Designated Disadvantaged Community (Senate Bill 535)	Yes
Project Located in a Low-Income Community (Assembly Bill 1550)	Yes
Project Located in a Community Air Protection Program Community (Assembly Bill 617)	No

a: The maximum CalEnviroScreen score is 100. A high score (i.e., greater than 50) reflects a higher pollution burden compared to other census tracts in the state.
b: The maximum Health Places Index score is 100. A high score (i.e., greater than 50) reflects healthier community conditions compared to other census tracts in the state.

7.4. Health & Equity Measures

No Health & Equity Measures selected.

7.5. Evaluation Scorecard

Health & Equity Evaluation Scorecard not completed.

7.6. Health & Equity Custom Measures

No Health & Equity Custom Measures created.

8. User Changes to Default Data

Screen	Justification
Construction: Construction Phases	see construction assumptions
Construction: Off-Road Equipment	see construction assumptions
Construction: Trips and VMT	see construction assumptions
Construction: On-Road Fugitive Dust	see construction assumptions
Construction: Electricity	Carbon intensity for construction years
Land Use	Project Specific

DTLA Row - Construction Onsite North Lot Detailed Report

Table of Contents

1. Basic Project Information

1.1. Basic Project Information

1.2. Land Use Types

1.3. User-Selected Emission Reduction Measures by Emissions Sector

2. Emissions Summary

2.1. Construction Emissions Compared Against Thresholds

2.2. Construction Emissions by Year, Unmitigated

3. Construction Emissions Details

3.1. Demolition (2030) - Unmitigated

3.3. Grading & Utilities (2030) - Unmitigated

3.5. Foundation/Structure (2030) - Unmitigated

3.7. Foundation/Structure (2031) - Unmitigated

3.9. Interior (2031) - Unmitigated

3.11. Interior (2032) - Unmitigated

3.13. Paving (2032) - Unmitigated

3.15. Architectural Coating (2032) - Unmitigated

4. Operations Emissions Details

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

4.10.2. Above and Belowground Carbon Accumulation by Land Use Type - Unmitigated

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

5. Activity Data

5.1. Construction Schedule

5.2. Off-Road Equipment

5.2.1. Unmitigated

5.3. Construction Vehicles

5.3.1. Unmitigated

5.4. Vehicles

5.4.1. Construction Vehicle Control Strategies

5.5. Architectural Coatings

5.6. Dust Mitigation

5.6.1. Construction Earthmoving Activities

5.6.2. Construction Earthmoving Control Strategies

5.7. Construction Paving

5.8. Construction Electricity Consumption and Emissions Factors

5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

5.18.2. Sequestration

5.18.2.1. Unmitigated

6. Climate Risk Detailed Report

6.1. Climate Risk Summary

6.2. Initial Climate Risk Scores

6.3. Adjusted Climate Risk Scores

6.4. Climate Risk Reduction Measures

7. Health and Equity Details

7.1. CalEnviroScreen 4.0 Scores

7.2. Healthy Places Index Scores

7.3. Overall Health & Equity Scores

7.4. Health & Equity Measures

7.5. Evaluation Scorecard

7.6. Health & Equity Custom Measures

8. User Changes to Default Data

1. Basic Project Information

1.1. Basic Project Information

Data Field	Value
Project Name	DTLA Row - Construction Onsite North Lot
Construction Start Date	6/3/2030
Lead Agency	—
Land Use Scale	Project/site
Analysis Level for Defaults	County
Windspeed (m/s)	0.50
Precipitation (days)	18.4
Location	34.03405422200548, -118.23913673357617
County	Los Angeles-South Coast
City	Los Angeles
Air District	South Coast AQMD
Air Basin	South Coast
TAZ	4066
EDFZ	16
Electric Utility	Los Angeles Department of Water & Power
Gas Utility	Southern California Gas
App Version	2022.1.1.29

1.2. Land Use Types

Land Use Subtype	Size	Unit	Lot Acreage	Building Area (sq ft)	Landscape Area (sq ft)	Special Landscape Area (sq ft)	Population	Description
Apartments Mid Rise	376	Dwelling Unit	1.97	318,626	10,736	0.00	1,113	—

High Turnover (Sit Down Restaurant)	5.43	1000sqft	0.00	5,428	0.00	0.00	—	—
Recreational Swimming Pool	0.38	1000sqft	0.00	376	0.00	0.00	—	—
Enclosed Parking with Elevator	439	Space	3.95	175,600	0.00	0.00	—	—

1.3. User-Selected Emission Reduction Measures by Emissions Sector

No measures selected

2. Emissions Summary

2.1. Construction Emissions Compared Against Thresholds

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Un/Mit.	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Unmit.	12.7	11.9	42.6	0.06	0.17	3.73	3.90	0.17	0.37	0.54	6,510
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Unmit.	12.7	12.0	42.7	0.06	0.17	3.73	3.90	0.17	0.37	0.54	6,517
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—
Unmit.	6.00	3.80	11.9	0.02	0.06	0.85	0.90	0.06	0.08	0.14	1,896
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—
Unmit.	1.10	0.69	2.18	< 0.005	0.01	0.15	0.17	0.01	0.02	0.03	314

2.2. Construction Emissions by Year, Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Year	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e

Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
2030	0.96	11.9	42.6	0.06	0.17	3.73	3.90	0.17	0.37	0.54	6,510
2031	0.57	6.87	22.0	0.04	0.11	1.67	1.78	0.10	0.17	0.27	3,511
2032	12.7	2.90	13.8	0.02	0.06	0.00	0.06	0.06	0.00	0.06	2,280
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
2030	0.94	12.0	42.7	0.06	0.17	3.73	3.90	0.17	0.37	0.54	6,517
2031	0.56	6.95	22.1	0.04	0.11	1.67	1.78	0.10	0.17	0.27	3,514
2032	12.7	2.90	13.8	0.02	0.06	0.00	0.06	0.06	0.00	0.06	2,280
Average Daily	—	—	—	—	—	—	—	—	—	—	—
2030	0.22	2.76	9.85	0.01	0.04	0.79	0.83	0.04	0.08	0.12	1,499
2031	0.30	3.80	11.9	0.02	0.06	0.85	0.90	0.06	0.08	0.14	1,896
2032	6.00	1.14	5.97	0.01	0.03	0.00	0.03	0.03	0.00	0.03	993
Annual	—	—	—	—	—	—	—	—	—	—	—
2030	0.04	0.50	1.80	< 0.005	0.01	0.14	0.15	0.01	0.01	0.02	248
2031	0.06	0.69	2.18	< 0.005	0.01	0.15	0.17	0.01	0.02	0.03	314
2032	1.10	0.21	1.09	< 0.005	0.01	0.00	0.01	0.01	0.00	0.01	164

3. Construction Emissions Details

3.1. Demolition (2030) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.28	3.49	11.7	0.02	0.06	—	0.06	0.06	—	0.06	1,702

Demolition	—	—	—	—	—	0.04	0.04	—	0.01	0.01	—
Onsite truck	0.01	0.16	0.13	< 0.005	< 0.005	0.20	0.20	< 0.005	0.02	0.02	23.6
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.16	0.55	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	79.3
Demolition	—	—	—	—	—	< 0.005	< 0.005	—	< 0.005	< 0.005	—
Onsite truck	< 0.005	0.01	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	1.11
Annual	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	0.03	0.10	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	13.1
Demolition	—	—	—	—	—	< 0.005	< 0.005	—	< 0.005	< 0.005	—
Onsite truck	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.18
Offsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.3. Grading & Utilities (2030) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.32	3.33	19.2	0.03	0.06	—	0.06	0.06	—	0.06	2,754
Dust From Material Movement	—	—	—	—	—	< 0.005	< 0.005	—	< 0.005	< 0.005	—
Onsite truck	0.08	1.66	1.33	< 0.005	< 0.005	2.06	2.06	< 0.005	0.21	0.21	242
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.32	3.33	19.2	0.03	0.06	—	0.06	0.06	—	0.06	2,754
Dust From Material Movement	—	—	—	—	—	< 0.005	< 0.005	—	< 0.005	< 0.005	—
Onsite truck	0.07	1.75	1.37	< 0.005	< 0.005	2.06	2.06	< 0.005	0.21	0.21	246
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.07	0.76	4.37	0.01	0.01	—	0.01	0.01	—	0.01	626
Dust From Material Movement	—	—	—	—	—	< 0.005	< 0.005	—	< 0.005	< 0.005	—
Onsite truck	0.02	0.39	0.31	< 0.005	< 0.005	0.44	0.44	< 0.005	0.04	0.04	55.4
Annual	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.14	0.80	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	104
Dust From Material Movement	—	—	—	—	—	< 0.005	< 0.005	—	< 0.005	< 0.005	—

Onsite truck	< 0.005	0.07	0.06	< 0.005	< 0.005	0.08	0.08	< 0.005	0.01	0.01	9.17
Offsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.5. Foundation/Structure (2030) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.50	5.54	21.0	0.03	0.11	—	0.11	0.10	—	0.10	3,316

Onsite truck	0.06	1.35	1.08	< 0.005	< 0.005	1.67	1.67	< 0.005	0.17	0.17	197
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.50	5.54	21.0	0.03	0.11	—	0.11	0.10	—	0.10	3,316
Onsite truck	0.06	1.42	1.11	< 0.005	< 0.005	1.67	1.67	< 0.005	0.17	0.17	200
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.11	1.16	4.39	0.01	0.02	—	0.02	0.02	—	0.02	694
Onsite truck	0.01	0.29	0.23	< 0.005	< 0.005	0.33	0.33	< 0.005	0.03	0.03	41.5
Annual	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.21	0.80	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	115
Onsite truck	< 0.005	0.05	0.04	< 0.005	< 0.005	0.06	0.06	< 0.005	0.01	0.01	6.87
Offsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.7. Foundation/Structure (2031) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.50	5.54	21.0	0.03	0.11	—	0.11	0.10	—	0.10	3,316
Onsite truck	0.06	1.33	1.08	< 0.005	< 0.005	1.67	1.67	< 0.005	0.17	0.17	194
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.50	5.54	21.0	0.03	0.11	—	0.11	0.10	—	0.10	3,316
Onsite truck	0.06	1.41	1.11	< 0.005	< 0.005	1.67	1.67	< 0.005	0.17	0.17	197
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.27	2.95	11.2	0.02	0.06	—	0.06	0.06	—	0.06	1,765
Onsite truck	0.03	0.73	0.58	< 0.005	< 0.005	0.85	0.85	< 0.005	0.08	0.09	104
Annual	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.05	0.54	2.04	< 0.005	0.01	—	0.01	0.01	—	0.01	292
Onsite truck	0.01	0.13	0.11	< 0.005	< 0.005	0.15	0.15	< 0.005	0.02	0.02	17.2
Offsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.9. Interior (2031) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.69	1.03	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	148
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.69	1.03	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	148
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	< 0.005	0.13	0.19	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	27.0
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	0.02	0.03	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	4.46
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.11. Interior (2032) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.69	1.03	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	148
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.69	1.03	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	148
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	0.14	0.21	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	29.9
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	0.03	0.04	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	4.94
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Average Daily	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.13. Paving (2032) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.28	2.21	12.7	0.02	0.06	—	0.06	0.06	—	0.06	2,131
Paving	0.06	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.28	2.21	12.7	0.02	0.06	—	0.06	0.06	—	0.06	2,131
Paving	0.06	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.13	1.00	5.76	0.01	0.03	—	0.03	0.03	—	0.03	964
Paving	0.03	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Annual	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.18	1.05	< 0.005	0.01	—	0.01	< 0.005	—	< 0.005	160
Paving	0.01	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.15. Architectural Coating (2032) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	12.3	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	12.3	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	5.84	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	1.07	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

4. Operations Emissions Details

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Vegetation	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—

4.10.2. Above and Belowground Carbon Accumulation by Land Use Type - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Species	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—

Subtotal	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—

5. Activity Data

5.1. Construction Schedule

Phase Name	Phase Type	Start Date	End Date	Days Per Week	Work Days per Phase	Phase Description
Demolition	Demolition	6/3/2030	6/25/2030	5.00	17.0	—
Grading & Utilities	Grading	6/9/2030	10/2/2030	5.00	83.0	—
Foundation/Structure	Building Construction	9/16/2030	9/29/2031	5.00	271	—
Interior	Building Construction	9/30/2031	4/12/2032	5.00	140	—
Paving	Paving	1/13/2032	8/30/2032	5.00	165	—
Architectural Coating	Architectural Coating	1/1/2032	8/30/2032	5.00	173	—

5.2. Off-Road Equipment

5.2.1. Unmitigated

Phase Name	Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
Demolition	Air Compressors	Diesel	Tier 4 Final	1.00	8.00	37.0	0.48
Demolition	Excavators	Diesel	Tier 4 Final	1.00	8.00	158	0.38
Demolition	Generator Sets	Diesel	Average	1.00	8.00	14.0	0.74
Demolition	Other Construction Equipment	Diesel	Tier 4 Final	1.00	8.00	82.0	0.42
Demolition	Skid Steer Loaders	Diesel	Tier 4 Final	1.00	8.00	71.0	0.37

Demolition	Tractors/Loaders/Back	Diesel	Tier 4 Final	1.00	8.00	84.0	0.37
Grading & Utilities	Bore/Drill Rigs	Diesel	Tier 4 Final	1.00	8.00	83.0	0.50
Grading & Utilities	Excavators	Diesel	Tier 4 Final	2.00	8.00	158	0.38
Grading & Utilities	Other Construction Equipment	Diesel	Tier 4 Final	1.00	8.00	82.0	0.42
Grading & Utilities	Plate Compactors	Diesel	Average	1.00	8.00	8.00	0.43
Grading & Utilities	Rollers	Diesel	Tier 4 Final	1.00	8.00	36.0	0.38
Grading & Utilities	Rubber Tired Loaders	Diesel	Tier 4 Final	1.00	8.00	150	0.36
Grading & Utilities	Skid Steer Loaders	Diesel	Tier 4 Final	1.00	8.00	71.0	0.37
Foundation/Structure	Air Compressors	Diesel	Tier 4 Final	1.00	8.00	37.0	0.48
Foundation/Structure	Cement and Mortar Mixers	Diesel	Average	1.00	8.00	10.0	0.56
Foundation/Structure	Concrete/Industrial Saws	Diesel	Tier 4 Final	1.00	8.00	33.0	0.73
Foundation/Structure	Cranes	Diesel	Tier 4 Final	1.00	8.00	367	0.29
Foundation/Structure	Cranes	Electric	Average	1.00	8.00	367	0.29
Foundation/Structure	Excavators	Diesel	Tier 4 Final	1.00	8.00	158	0.38
Foundation/Structure	Forklifts	Diesel	Tier 4 Final	2.00	8.00	82.0	0.20
Foundation/Structure	Pumps	Diesel	Average	1.00	8.00	11.0	0.74
Foundation/Structure	Plate Compactors	Diesel	Average	1.00	8.00	8.00	0.43
Foundation/Structure	Rough Terrain Forklifts	Diesel	Tier 4 Final	1.00	8.00	96.0	0.40
Foundation/Structure	Tractors/Loaders/Back hoes	Diesel	Tier 4 Final	1.00	8.00	84.0	0.37
Foundation/Structure	Welders	Diesel	Tier 4 Final	1.00	8.00	46.0	0.45
Interior	Aerial Lifts	Diesel	Tier 4 Final	1.00	8.00	46.0	0.31
Paving	Cranes	Diesel	Tier 4 Final	1.00	8.00	367	0.29
Paving	Other Construction Equipment	Diesel	Tier 4 Final	1.00	8.00	82.0	0.42
Paving	Paving Equipment	Diesel	Tier 4 Final	1.00	8.00	89.0	0.36
Paving	Plate Compactors	Diesel	Average	1.00	8.00	8.00	0.43

Paving	Rollers	Diesel	Tier 4 Final	1.00	8.00	36.0	0.38
Paving	Signal Boards	Diesel	Average	1.00	8.00	6.00	0.82
Paving	Tractors/Loaders/Backhoes	Diesel	Tier 4 Final	1.00	8.00	84.0	0.37

5.3. Construction Vehicles

5.3.1. Unmitigated

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix
Demolition	—	—	—	—
Demolition	Worker	0.00	18.5	LDA,LDT1,LDT2
Demolition	Vendor	0.00	10.2	HHDT,MHDT
Demolition	Hauling	0.00	25.0	HHDT
Demolition	Onsite truck	12.0	0.09	HHDT
Grading & Utilities	—	—	—	—
Grading & Utilities	Worker	0.00	18.5	LDA,LDT1,LDT2
Grading & Utilities	Vendor	0.00	10.2	HHDT,MHDT
Grading & Utilities	Hauling	0.00	21.0	HHDT
Grading & Utilities	Onsite truck	123	0.09	HHDT
Foundation/Structure	—	—	—	—
Foundation/Structure	Worker	0.00	18.5	LDA,LDT1,LDT2
Foundation/Structure	Vendor	0.00	10.2	HHDT,MHDT
Foundation/Structure	Hauling	0.00	20.0	HHDT
Foundation/Structure	Onsite truck	100	0.09	HHDT
Paving	—	—	—	—
Paving	Worker	0.00	18.5	LDA,LDT1,LDT2
Paving	Vendor	0.00	10.2	HHDT,MHDT
Paving	Hauling	0.00	20.0	HHDT
Paving	Onsite truck	0.00	—	HHDT

Architectural Coating	—	—	—	—
Architectural Coating	Worker	0.00	18.5	LDA,LDT1,LDT2
Architectural Coating	Vendor	0.00	10.2	HHDT,MHDT
Architectural Coating	Hauling	0.00	20.0	HHDT
Architectural Coating	Onsite truck	0.00	—	HHDT
Interior	—	—	—	—
Interior	Worker	0.00	18.5	LDA,LDT1,LDT2
Interior	Vendor	0.00	10.2	HHDT,MHDT
Interior	Hauling	0.00	20.0	HHDT
Interior	Onsite truck	0.00	—	HHDT

5.4. Vehicles

5.4.1. Construction Vehicle Control Strategies

Control Strategies Applied	PM10 Reduction	PM2.5 Reduction
Water unpaved roads twice daily	55%	55%
Limit vehicle speeds on unpaved roads to 25 mph	44%	44%

5.5. Architectural Coatings

Phase Name	Residential Interior Area Coated (sq ft)	Residential Exterior Area Coated (sq ft)	Non-Residential Interior Area Coated (sq ft)	Non-Residential Exterior Area Coated (sq ft)	Parking Area Coated (sq ft)
Architectural Coating	645,218	215,073	15,887	3,575	10,326

5.6. Dust Mitigation

5.6.1. Construction Earthmoving Activities

Phase Name	Material Imported (Cubic Yards)	Material Exported (Cubic Yards)	Acres Graded (acres)	Material Demolished (Building Square Footage)	Acres Paved (acres)

Demolition	0.00	0.00	0.00	1,268	—
Grading & Utilities	0.00	36,210	0.00	0.00	—
Paving	0.00	0.00	0.00	0.00	3.95

5.6.2. Construction Earthmoving Control Strategies

Control Strategies Applied	Frequency (per day)	PM10 Reduction	PM2.5 Reduction
Water Exposed Area	3	74%	74%
Water Demolished Area	2	36%	36%

5.7. Construction Paving

Land Use	Area Paved (acres)	% Asphalt
Apartments Mid Rise	—	0%
High Turnover (Sit Down Restaurant)	0.00	0%
Recreational Swimming Pool	0.00	0%
Enclosed Parking with Elevator	3.95	100%

5.8. Construction Electricity Consumption and Emissions Factors

kWh per Year and Emission Factor (lb/MWh)

Year	kWh per Year	CO2	CH4	N2O
2030	635	345	0.05	0.01
2031	635	325	0.05	0.01
2032	0.00	304	0.05	0.01

5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres

5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

Biomass Cover Type	Initial Acres	Final Acres

5.18.2. Sequestration

5.18.2.1. Unmitigated

Tree Type	Number	Electricity Saved (kWh/year)	Natural Gas Saved (btu/year)

6. Climate Risk Detailed Report

6.1. Climate Risk Summary

Cal-Adapt midcentury 2040–2059 average projections for four hazards are reported below for your project location. These are under Representation Concentration Pathway (RCP) 8.5 which assumes GHG emissions will continue to rise strongly through 2050 and then plateau around 2100.

Climate Hazard	Result for Project Location	Unit
Temperature and Extreme Heat	9.52	annual days of extreme heat
Extreme Precipitation	6.15	annual days with precipitation above 20 mm
Sea Level Rise	—	meters of inundation depth
Wildfire	0.00	annual hectares burned

Temperature and Extreme Heat data are for grid cell in which your project are located. The projection is based on the 98th historical percentile of daily maximum/minimum temperatures from observed historical data (32 climate model ensemble from Cal-Adapt, 2040–2059 average under RCP 8.5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.
Extreme Precipitation data are for the grid cell in which your project are located. The threshold of 20 mm is equivalent to about ¾ an inch of rain, which would be light to moderate rainfall if received over a full day or heavy rain if received over a period of 2 to 4 hours. Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.
Sea Level Rise data are for the grid cell in which your project are located. The projections are from Radke et al. (2017), as reported in Cal-Adapt (Radke et al., 2017, CEC-500-2017-008), and consider inundation location and depth for the San Francisco Bay, the Sacramento-San Joaquin River Delta and California coast resulting different increments of sea level rise coupled with extreme storm events. Users may select from four scenarios to view the range in potential inundation depth for the grid cell. The four scenarios are: No rise, 0.5 meter, 1.0 meter, 1.41 meters

Wildfire data are for the grid cell in which your project are located. The projections are from UC Davis, as reported in Cal-Adapt (2040–2059 average under RCP 8.5), and consider historical data of climate, vegetation, population density, and large (> 400 ha) fire history. Users may select from four model simulations to view the range in potential wildfire probabilities for the grid cell. The four simulations make different assumptions about expected rainfall and temperature are: Warmer/drier (HadGEM2-ES), Cooler/wetter (CNRM-CM5), Average conditions (CanESM2), Range of different rainfall and temperature possibilities (MIROC5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.

6.2. Initial Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	1	0	0	N/A
Extreme Precipitation	N/A	N/A	N/A	N/A
Sea Level Rise	1	0	0	N/A
Wildfire	1	0	0	N/A
Flooding	N/A	N/A	N/A	N/A
Drought	N/A	N/A	N/A	N/A
Snowpack Reduction	N/A	N/A	N/A	N/A
Air Quality Degradation	0	0	0	N/A

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.
The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.
The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores do not include implementation of climate risk reduction measures.

6.3. Adjusted Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	1	1	1	2
Extreme Precipitation	N/A	N/A	N/A	N/A
Sea Level Rise	1	1	1	2
Wildfire	1	1	1	2
Flooding	N/A	N/A	N/A	N/A
Drought	N/A	N/A	N/A	N/A
Snowpack Reduction	N/A	N/A	N/A	N/A
Air Quality Degradation	1	1	1	2

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.
The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.
The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores include implementation of climate risk reduction measures.

6.4. Climate Risk Reduction Measures

7. Health and Equity Details

7.1. CalEnviroScreen 4.0 Scores

The maximum CalEnviroScreen score is 100. A high score (i.e., greater than 50) reflects a higher pollution burden compared to other census tracts in the state.

Indicator	Result for Project Census Tract
Exposure Indicators	—
AQ-Ozone	50.5
AQ-PM	89.2
AQ-DPM	95.5
Drinking Water	92.5
Lead Risk Housing	71.6
Pesticides	0.00
Toxic Releases	82.2
Traffic	85.9
Effect Indicators	—
CleanUp Sites	97.2
Groundwater	78.1
Haz Waste Facilities/Generators	98.8
Impaired Water Bodies	66.7
Solid Waste	96.0
Sensitive Population	—
Asthma	97.7

Cardio-vascular	65.1
Low Birth Weights	71.6
Socioeconomic Factor Indicators	—
Education	74.4
Housing	68.5
Linguistic	91.8
Poverty	75.4
Unemployment	79.7

7.2. Healthy Places Index Scores

The maximum Health Places Index score is 100. A high score (i.e., greater than 50) reflects healthier community conditions compared to other census tracts in the state.

Indicator	Result for Project Census Tract
Economic	—
Above Poverty	10.5350956
Employed	49.30065443
Median HI	4.273065572
Education	—
Bachelor's or higher	63.26190171
High school enrollment	100
Preschool enrollment	95.7141024
Transportation	—
Auto Access	1.180546644
Active commuting	97.42076222
Social	—
2-parent households	4.119081227
Voting	13.0373412
Neighborhood	—
Alcohol availability	9.5983575

Park access	81.35506224
Retail density	43.6160657
Supermarket access	82.8564096
Tree canopy	14.50019248
Housing	—
Homeownership	6.723983062
Housing habitability	0.166816374
Low-inc homeowner severe housing cost burden	1.475683306
Low-inc renter severe housing cost burden	66.38008469
Uncrowded housing	6.300526113
Health Outcomes	—
Insured adults	5.902733222
Arthritis	53.0
Asthma ER Admissions	1.4
High Blood Pressure	12.0
Cancer (excluding skin)	82.6
Asthma	21.6
Coronary Heart Disease	15.5
Chronic Obstructive Pulmonary Disease	14.4
Diagnosed Diabetes	11.3
Life Expectancy at Birth	5.1
Cognitively Disabled	13.7
Physically Disabled	6.4
Heart Attack ER Admissions	46.0
Mental Health Not Good	14.9
Chronic Kidney Disease	20.1
Obesity	9.6
Pedestrian Injuries	100.0

Physical Health Not Good	12.4
Stroke	13.0
Health Risk Behaviors	—
Binge Drinking	60.3
Current Smoker	7.4
No Leisure Time for Physical Activity	24.7
Climate Change Exposures	—
Wildfire Risk	0.0
SLR Inundation Area	0.0
Children	76.4
Elderly	97.3
English Speaking	7.7
Foreign-born	75.6
Outdoor Workers	46.0
Climate Change Adaptive Capacity	—
Impervious Surface Cover	0.0
Traffic Density	90.2
Traffic Access	87.4
Other Indices	—
Hardship	82.8
Other Decision Support	—
2016 Voting	5.0

7.3. Overall Health & Equity Scores

Metric	Result for Project Census Tract
CalEnviroScreen 4.0 Score for Project Location (a)	100
Healthy Places Index Score for Project Location (b)	14.0
Project Located in a Designated Disadvantaged Community (Senate Bill 535)	Yes

Project Located in a Low-Income Community (Assembly Bill 1550)	Yes
Project Located in a Community Air Protection Program Community (Assembly Bill 617)	No

a: The maximum CalEnviroScreen score is 100. A high score (i.e., greater than 50) reflects a higher pollution burden compared to other census tracts in the state.
b: The maximum Health Places Index score is 100. A high score (i.e., greater than 50) reflects healthier community conditions compared to other census tracts in the state.

7.4. Health & Equity Measures

No Health & Equity Measures selected.

7.5. Evaluation Scorecard

Health & Equity Evaluation Scorecard not completed.

7.6. Health & Equity Custom Measures

No Health & Equity Custom Measures created.

8. User Changes to Default Data

Screen	Justification
Construction: Construction Phases	Project Specific - see construction assumptions
Construction: Off-Road Equipment	See construction assumptions
Construction: Trips and VMT	see construction assumptions
Construction: On-Road Fugitive Dust	see construction assumptions
Construction: Electricity	Carbon intensity for construction years
Land Use	Project Specific

DTLA Row - Operations South Lot Detailed Report

Table of Contents

1. Basic Project Information

1.1. Basic Project Information

1.2. Land Use Types

1.3. User-Selected Emission Reduction Measures by Emissions Sector

2. Emissions Summary

2.4. Operations Emissions Compared Against Thresholds

2.5. Operations Emissions by Sector, Unmitigated

2.6. Operations Emissions by Sector, Mitigated

4. Operations Emissions Details

4.1. Mobile Emissions by Land Use

4.1.1. Unmitigated

4.1.2. Mitigated

4.2. Energy

4.2.1. Electricity Emissions By Land Use - Unmitigated

4.2.2. Electricity Emissions By Land Use - Mitigated

4.2.3. Natural Gas Emissions By Land Use - Unmitigated

4.2.4. Natural Gas Emissions By Land Use - Mitigated

4.3. Area Emissions by Source

4.3.1. Unmitigated

4.3.2. Mitigated

4.4. Water Emissions by Land Use

4.4.1. Unmitigated

4.4.2. Mitigated

4.5. Waste Emissions by Land Use

4.5.1. Unmitigated

4.5.2. Mitigated

4.6. Refrigerant Emissions by Land Use

4.6.1. Unmitigated

4.6.2. Mitigated

4.7. Offroad Emissions By Equipment Type

4.7.1. Unmitigated

4.7.2. Mitigated

4.8. Stationary Emissions By Equipment Type

4.8.1. Unmitigated

4.8.2. Mitigated

4.9. User Defined Emissions By Equipment Type

4.9.1. Unmitigated

4.9.2. Mitigated

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

4.10.2. Above and Belowground Carbon Accumulation by Land Use Type - Unmitigated

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

4.10.4. Soil Carbon Accumulation By Vegetation Type - Mitigated

4.10.5. Above and Belowground Carbon Accumulation by Land Use Type - Mitigated

4.10.6. Avoided and Sequestered Emissions by Species - Mitigated

5. Activity Data

5.9. Operational Mobile Sources

5.9.1. Unmitigated

5.9.2. Mitigated

5.10. Operational Area Sources

5.10.1. Hearths

5.10.1.1. Unmitigated

5.10.1.2. Mitigated

5.10.2. Architectural Coatings

5.10.3. Landscape Equipment

5.10.4. Landscape Equipment - Mitigated

5.11. Operational Energy Consumption

5.11.1. Unmitigated

5.11.2. Mitigated

5.12. Operational Water and Wastewater Consumption

5.12.1. Unmitigated

5.12.2. Mitigated

5.13. Operational Waste Generation

5.13.1. Unmitigated

5.13.2. Mitigated

5.14. Operational Refrigeration and Air Conditioning Equipment

5.14.1. Unmitigated

5.14.2. Mitigated

5.15. Operational Off-Road Equipment

5.15.1. Unmitigated

5.15.2. Mitigated

5.16. Stationary Sources

5.16.1. Emergency Generators and Fire Pumps

5.16.2. Process Boilers

5.17. User Defined

5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

5.18.1.2. Mitigated

5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

5.18.1.2. Mitigated

5.18.2. Sequestration

5.18.2.1. Unmitigated

5.18.2.2. Mitigated

6. Climate Risk Detailed Report

6.1. Climate Risk Summary

6.2. Initial Climate Risk Scores

6.3. Adjusted Climate Risk Scores

6.4. Climate Risk Reduction Measures

7. Health and Equity Details

7.1. CalEnviroScreen 4.0 Scores

7.2. Healthy Places Index Scores

7.3. Overall Health & Equity Scores

7.4. Health & Equity Measures

7.5. Evaluation Scorecard

7.6. Health & Equity Custom Measures

8. User Changes to Default Data

1. Basic Project Information

1.1. Basic Project Information

Data Field	Value
Project Name	DTLA Row - Operations South Lot
Operational Year	2029
Lead Agency	—
Land Use Scale	Project/site
Analysis Level for Defaults	County
Windspeed (m/s)	0.50
Precipitation (days)	18.4
Location	34.03283673591915, -118.23932369571361
County	Los Angeles-South Coast
City	Los Angeles
Air District	South Coast AQMD
Air Basin	South Coast
TAZ	4066
EDFZ	16
Electric Utility	Los Angeles Department of Water & Power
Gas Utility	Southern California Gas
App Version	2022.1.1.29

1.2. Land Use Types

Land Use Subtype	Size	Unit	Lot Acreage	Building Area (sq ft)	Landscape Area (sq ft)	Special Landscape Area (sq ft)	Population	Description
Apartments Mid Rise	624	Dwelling Unit	2.84	519,106	20,794	0.00	1,469	—

High Turnover (Sit Down Restaurant)	1.12	1000sqft	0.00	1,119	0.00	0.00	—	—
Recreational Swimming Pool	0.88	1000sqft	0.00	883	0.00	0.00	—	—
Enclosed Parking with Elevator	653	Space	5.88	261,200	0.00	0.00	—	—

1.3. User-Selected Emission Reduction Measures by Emissions Sector

Sector	#	Measure Title
Water	W-7	Adopt a Water Conservation Strategy
Waste	S-1/S-2	Implement Waste Reduction Plan

2. Emissions Summary

2.4. Operations Emissions Compared Against Thresholds

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Un/Mit.	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Unmit.	25.5	7.81	104	0.14	0.26	12.6	12.8	0.25	3.19	3.44	20,042
Mit.	25.5	7.81	104	0.14	0.26	12.6	12.8	0.25	3.19	3.44	19,428
% Reduced	—	—	—	—	—	—	—	—	—	—	3%
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Unmit.	20.5	7.80	53.4	0.13	0.22	12.6	12.8	0.22	3.19	3.41	19,332
Mit.	20.5	7.80	53.4	0.13	0.22	12.6	12.8	0.22	3.19	3.41	18,718
% Reduced	—	—	—	—	—	—	—	—	—	—	3%
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—
Unmit.	23.4	6.88	85.5	0.13	0.18	12.4	12.6	0.17	3.16	3.33	19,361

Mit.	23.4	6.88	85.5	0.13	0.18	12.4	12.6	0.17	3.16	3.33	18,747
% Reduced	—	—	—	—	—	—	—	—	—	—	3%
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—
Unmit.	4.26	1.26	15.6	0.02	0.03	2.27	2.30	0.03	0.58	0.61	3,205
Mit.	4.26	1.26	15.6	0.02	0.03	2.27	2.30	0.03	0.58	0.61	3,104
% Reduced	—	—	—	—	—	—	—	—	—	—	3%

2.5. Operations Emissions by Sector, Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Sector	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Mobile	7.49	4.61	54.2	0.13	0.08	12.6	12.6	0.07	3.19	3.26	13,558
Area	17.0	0.43	46.9	< 0.005	0.04	—	0.04	0.03	—	0.03	142
Energy	< 0.005	0.02	0.02	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	4,746
Water	—	—	—	—	—	—	—	—	—	—	359
Waste	—	—	—	—	—	—	—	—	—	—	727
Refrig.	—	—	—	—	—	—	—	—	—	—	5.47
Stationary	0.98	2.75	2.51	< 0.005	0.14	0.00	0.14	0.14	0.00	0.14	505
Total	25.5	7.81	104	0.14	0.26	12.6	12.8	0.25	3.19	3.44	20,042
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Mobile	7.42	5.03	50.9	0.13	0.08	12.6	12.6	0.07	3.19	3.26	12,990
Area	12.1	—	—	—	—	—	—	—	—	—	—
Energy	< 0.005	0.02	0.02	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	4,746
Water	—	—	—	—	—	—	—	—	—	—	359
Waste	—	—	—	—	—	—	—	—	—	—	727
Refrig.	—	—	—	—	—	—	—	—	—	—	5.47
Stationary	0.98	2.75	2.51	< 0.005	0.14	0.00	0.14	0.14	0.00	0.14	505

Total	20.5	7.80	53.4	0.13	0.22	12.6	12.8	0.22	3.19	3.41	19,332
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Mobile	7.35	5.06	52.0	0.13	0.08	12.4	12.5	0.07	3.16	3.23	13,150
Area	15.5	0.29	32.1	< 0.005	0.03	—	0.03	0.02	—	0.02	97.3
Energy	< 0.005	0.02	0.02	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	4,746
Water	—	—	—	—	—	—	—	—	—	—	359
Waste	—	—	—	—	—	—	—	—	—	—	727
Refrig.	—	—	—	—	—	—	—	—	—	—	5.47
Stationary	0.54	1.51	1.38	< 0.005	0.08	0.00	0.08	0.08	0.00	0.08	277
Total	23.4	6.88	85.5	0.13	0.18	12.4	12.6	0.17	3.16	3.33	19,361
Annual	—	—	—	—	—	—	—	—	—	—	—
Mobile	1.34	0.92	9.49	0.02	0.01	2.27	2.28	0.01	0.58	0.59	2,177
Area	2.82	0.05	5.86	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	16.1
Energy	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	786
Water	—	—	—	—	—	—	—	—	—	—	59.4
Waste	—	—	—	—	—	—	—	—	—	—	120
Refrig.	—	—	—	—	—	—	—	—	—	—	0.91
Stationary	0.10	0.28	0.25	< 0.005	0.01	0.00	0.01	0.01	0.00	0.01	45.8
Total	4.26	1.26	15.6	0.02	0.03	2.27	2.30	0.03	0.58	0.61	3,205

2.6. Operations Emissions by Sector, Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Sector	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Mobile	7.49	4.61	54.2	0.13	0.08	12.6	12.6	0.07	3.19	3.26	13,558
Area	17.0	0.43	46.9	< 0.005	0.04	—	0.04	0.03	—	0.03	142
Energy	< 0.005	0.02	0.02	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	4,746

Water	—	—	—	—	—	—	—	—	—	—	287
Waste	—	—	—	—	—	—	—	—	—	—	185
Refrig.	—	—	—	—	—	—	—	—	—	—	5.47
Stationary	0.98	2.75	2.51	< 0.005	0.14	0.00	0.14	0.14	0.00	0.14	505
Total	25.5	7.81	104	0.14	0.26	12.6	12.8	0.25	3.19	3.44	19,428
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Mobile	7.42	5.03	50.9	0.13	0.08	12.6	12.6	0.07	3.19	3.26	12,990
Area	12.1	—	—	—	—	—	—	—	—	—	—
Energy	< 0.005	0.02	0.02	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	4,746
Water	—	—	—	—	—	—	—	—	—	—	287
Waste	—	—	—	—	—	—	—	—	—	—	185
Refrig.	—	—	—	—	—	—	—	—	—	—	5.47
Stationary	0.98	2.75	2.51	< 0.005	0.14	0.00	0.14	0.14	0.00	0.14	505
Total	20.5	7.80	53.4	0.13	0.22	12.6	12.8	0.22	3.19	3.41	18,718
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Mobile	7.35	5.06	52.0	0.13	0.08	12.4	12.5	0.07	3.16	3.23	13,150
Area	15.5	0.29	32.1	< 0.005	0.03	—	0.03	0.02	—	0.02	97.3
Energy	< 0.005	0.02	0.02	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	4,746
Water	—	—	—	—	—	—	—	—	—	—	287
Waste	—	—	—	—	—	—	—	—	—	—	185
Refrig.	—	—	—	—	—	—	—	—	—	—	5.47
Stationary	0.54	1.51	1.38	< 0.005	0.08	0.00	0.08	0.08	0.00	0.08	277
Total	23.4	6.88	85.5	0.13	0.18	12.4	12.6	0.17	3.16	3.33	18,747
Annual	—	—	—	—	—	—	—	—	—	—	—
Mobile	1.34	0.92	9.49	0.02	0.01	2.27	2.28	0.01	0.58	0.59	2,177
Area	2.82	0.05	5.86	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	16.1
Energy	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	786
Water	—	—	—	—	—	—	—	—	—	—	47.5

Waste	—	—	—	—	—	—	—	—	—	—	30.6
Refrig.	—	—	—	—	—	—	—	—	—	—	0.91
Stationary	0.10	0.28	0.25	< 0.005	0.01	0.00	0.01	0.01	0.00	0.01	45.8
Total	4.26	1.26	15.6	0.02	0.03	2.27	2.30	0.03	0.58	0.61	3,104

4. Operations Emissions Details

4.1. Mobile Emissions by Land Use

4.1.1. Unmitigated

Mobile source emissions results are presented in Sections 2.6. No further detailed breakdown of emissions is available.

4.1.2. Mitigated

Mobile source emissions results are presented in Sections 2.5. No further detailed breakdown of emissions is available.

4.2. Energy

4.2.1. Electricity Emissions By Land Use - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	2,484
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	58.0
Recreational Swimming Pool	—	—	—	—	—	—	—	—	—	—	1,206
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	973

Total	—	—	—	—	—	—	—	—	—	—	4,720
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	2,484
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	58.0
Recreational Swimming Pool	—	—	—	—	—	—	—	—	—	—	1,206
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	973
Total	—	—	—	—	—	—	—	—	—	—	4,720
Annual	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	411
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	9.59
Recreational Swimming Pool	—	—	—	—	—	—	—	—	—	—	200
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	161
Total	—	—	—	—	—	—	—	—	—	—	782

4.2.2. Electricity Emissions By Land Use - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—

Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	2,484
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	58.0
Recreational Swimming Pool	—	—	—	—	—	—	—	—	—	—	1,206
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	973
Total	—	—	—	—	—	—	—	—	—	—	4,720
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	2,484
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	58.0
Recreational Swimming Pool	—	—	—	—	—	—	—	—	—	—	1,206
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	973
Total	—	—	—	—	—	—	—	—	—	—	4,720
Annual	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	411
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	9.59
Recreational Swimming Pool	—	—	—	—	—	—	—	—	—	—	200

Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	161
Total	—	—	—	—	—	—	—	—	—	—	782

4.2.3. Natural Gas Emissions By Land Use - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00
High Turnover (Sit Down Restaurant)	< 0.005	0.02	0.02	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	25.2
Recreational Swimming Pool	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00
Enclosed Parking with Elevator	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00
Total	< 0.005	0.02	0.02	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	25.2
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00
High Turnover (Sit Down Restaurant)	< 0.005	0.02	0.02	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	25.2
Recreational Swimming Pool	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00
Enclosed Parking with Elevator	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00

Total	< 0.005	0.02	0.02	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	25.2
Annual	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00
High Turnover (Sit Down Restaurant)	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	4.18
Recreational Swimming Pool	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00
Enclosed Parking with Elevator	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00
Total	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	4.18

4.2.4. Natural Gas Emissions By Land Use - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00
High Turnover (Sit Down Restaurant)	< 0.005	0.02	0.02	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	25.2
Recreational Swimming Pool	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00
Enclosed Parking with Elevator	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00
Total	< 0.005	0.02	0.02	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	25.2
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—

Apartments Mid Rise	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00
High Turnover (Sit Down Restaurant)	< 0.005	0.02	0.02	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	25.2
Recreational Swimming Pool	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00
Enclosed Parking with Elevator	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00
Total	< 0.005	0.02	0.02	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	25.2
Annual	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00
High Turnover (Sit Down Restaurant)	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	4.18
Recreational Swimming Pool	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00
Enclosed Parking with Elevator	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00
Total	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	4.18

4.3. Area Emissions by Source

4.3.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Source	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—

Consumer Products	11.2	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.93	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	4.95	0.43	46.9	< 0.005	0.04	—	0.04	0.03	—	0.03	142
Total	17.0	0.43	46.9	< 0.005	0.04	—	0.04	0.03	—	0.03	142
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	11.2	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.93	—	—	—	—	—	—	—	—	—	—
Total	12.1	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	2.04	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.17	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	0.62	0.05	5.86	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	16.1
Total	2.82	0.05	5.86	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	16.1

4.3.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Source	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	11.2	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.93	—	—	—	—	—	—	—	—	—	—

Landscape Equipment	4.95	0.43	46.9	< 0.005	0.04	—	0.04	0.03	—	0.03	142
Total	17.0	0.43	46.9	< 0.005	0.04	—	0.04	0.03	—	0.03	142
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	11.2	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.93	—	—	—	—	—	—	—	—	—	—
Total	12.1	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	2.04	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.17	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	0.62	0.05	5.86	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	16.1
Total	2.82	0.05	5.86	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	16.1

4.4. Water Emissions by Land Use

4.4.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	353
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	5.12

Recreational Swimming Pool	—	—	—	—	—	—	—	—	—	—	0.79
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	359
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	353
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	5.12
Recreational Swimming Pool	—	—	—	—	—	—	—	—	—	—	0.79
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	359
Annual	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	58.4
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	0.85
Recreational Swimming Pool	—	—	—	—	—	—	—	—	—	—	0.13
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	59.4

4.4.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	282
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	4.10
Recreational Swimming Pool	—	—	—	—	—	—	—	—	—	—	0.63
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	287
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	282
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	4.10
Recreational Swimming Pool	—	—	—	—	—	—	—	—	—	—	0.63
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	287
Annual	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	46.7

High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	0.68
Recreational Swimming Pool	—	—	—	—	—	—	—	—	—	—	0.10
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	47.5

4.5. Waste Emissions by Land Use

4.5.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	692
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	25.1
Recreational Swimming Pool	—	—	—	—	—	—	—	—	—	—	9.49
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	727
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	692

High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	25.1
Recreational Swimming Pool	—	—	—	—	—	—	—	—	—	—	9.49
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	727
Annual	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	115
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	4.16
Recreational Swimming Pool	—	—	—	—	—	—	—	—	—	—	1.57
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	120

4.5.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	176
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	6.38

Recreational Swimming Pool	—	—	—	—	—	—	—	—	—	—	2.41
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	185
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	176
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	6.38
Recreational Swimming Pool	—	—	—	—	—	—	—	—	—	—	2.41
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	185
Annual	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	29.1
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	1.06
Recreational Swimming Pool	—	—	—	—	—	—	—	—	—	—	0.40
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	30.6

4.6. Refrigerant Emissions by Land Use

4.6.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	3.72
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	1.75
Recreational Swimming Pool	—	—	—	—	—	—	—	—	—	—	< 0.005
Total	—	—	—	—	—	—	—	—	—	—	5.47
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	3.72
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	1.75
Recreational Swimming Pool	—	—	—	—	—	—	—	—	—	—	< 0.005
Total	—	—	—	—	—	—	—	—	—	—	5.47
Annual	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	0.62
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	0.29

Recreational Swimming Pool	—	—	—	—	—	—	—	—	—	—	< 0.005
Total	—	—	—	—	—	—	—	—	—	—	0.91

4.6.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	3.72
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	1.75
Recreational Swimming Pool	—	—	—	—	—	—	—	—	—	—	< 0.005
Total	—	—	—	—	—	—	—	—	—	—	5.47
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	3.72
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	1.75
Recreational Swimming Pool	—	—	—	—	—	—	—	—	—	—	< 0.005
Total	—	—	—	—	—	—	—	—	—	—	5.47
Annual	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	0.62

High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	0.29
Recreational Swimming Pool	—	—	—	—	—	—	—	—	—	—	< 0.005
Total	—	—	—	—	—	—	—	—	—	—	0.91

4.7. Offroad Emissions By Equipment Type

4.7.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—

4.7.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—

Total	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—

4.8. Stationary Emissions By Equipment Type

4.8.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Emergency Generator	0.98	2.75	2.51	< 0.005	0.14	0.00	0.14	0.14	0.00	0.14	505
Total	0.98	2.75	2.51	< 0.005	0.14	0.00	0.14	0.14	0.00	0.14	505
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Emergency Generator	0.98	2.75	2.51	< 0.005	0.14	0.00	0.14	0.14	0.00	0.14	505
Total	0.98	2.75	2.51	< 0.005	0.14	0.00	0.14	0.14	0.00	0.14	505
Annual	—	—	—	—	—	—	—	—	—	—	—
Emergency Generator	0.10	0.28	0.25	< 0.005	0.01	0.00	0.01	0.01	0.00	0.01	45.8
Total	0.10	0.28	0.25	< 0.005	0.01	0.00	0.01	0.01	0.00	0.01	45.8

4.8.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—

Emergency Generator	0.98	2.75	2.51	< 0.005	0.14	0.00	0.14	0.14	0.00	0.14	505
Total	0.98	2.75	2.51	< 0.005	0.14	0.00	0.14	0.14	0.00	0.14	505
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Emergency Generator	0.98	2.75	2.51	< 0.005	0.14	0.00	0.14	0.14	0.00	0.14	505
Total	0.98	2.75	2.51	< 0.005	0.14	0.00	0.14	0.14	0.00	0.14	505
Annual	—	—	—	—	—	—	—	—	—	—	—
Emergency Generator	0.10	0.28	0.25	< 0.005	0.01	0.00	0.01	0.01	0.00	0.01	45.8
Total	0.10	0.28	0.25	< 0.005	0.01	0.00	0.01	0.01	0.00	0.01	45.8

4.9. User Defined Emissions By Equipment Type

4.9.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—

4.9.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Vegetation	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—

4.10.2. Above and Belowground Carbon Accumulation by Land Use Type - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—

Total	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Species	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—

Avoided	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—

4.10.4. Soil Carbon Accumulation By Vegetation Type - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Vegetation	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—

4.10.5. Above and Belowground Carbon Accumulation by Land Use Type - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—

Annual	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—

4.10.6. Avoided and Sequestered Emissions by Species - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Species	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—

Removed	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—

5. Activity Data

5.9. Operational Mobile Sources

5.9.1. Unmitigated

Land Use Type	Trips/Weekday	Trips/Saturday	Trips/Sunday	Trips/Year	VMT/Weekday	VMT/Saturday	VMT/Sunday	VMT/Year
Total all Land Uses	2,731	2,731	2,731	996,815	17,721	17,721	17,721	6,468,165

5.9.2. Mitigated

Land Use Type	Trips/Weekday	Trips/Saturday	Trips/Sunday	Trips/Year	VMT/Weekday	VMT/Saturday	VMT/Sunday	VMT/Year
Total all Land Uses	2,731	2,731	2,731	996,815	17,721	17,721	17,721	6,468,165

5.10. Operational Area Sources

5.10.1. Hearths

5.10.1.1. Unmitigated

5.10.1.2. Mitigated

5.10.2. Architectural Coatings

Residential Interior Area Coated (sq ft)	Residential Exterior Area Coated (sq ft)	Non-Residential Interior Area Coated (sq ft)	Non-Residential Exterior Area Coated (sq ft)	Parking Area Coated (sq ft)
1051189.65	350,397	13,199	1,840	15,360

5.10.3. Landscape Equipment

Season	Unit	Value
Snow Days	day/yr	0.00
Summer Days	day/yr	250

5.10.4. Landscape Equipment - Mitigated

Season	Unit	Value
Snow Days	day/yr	0.00
Summer Days	day/yr	250

5.11. Operational Energy Consumption

5.11.1. Unmitigated

Electricity (kWh/yr) and CO2 and CH4 and N2O and Natural Gas (kBTU/yr)

Land Use	Electricity (kWh/yr)	CO2	CH4	N2O	Natural Gas (kBTU/yr)
Apartments Mid Rise	2,461,893	365	0.0489	0.0069	0.00
High Turnover (Sit Down Restaurant)	57,436	365	0.0489	0.0069	78,554
Recreational Swimming Pool	1,194,837	365	0.0489	0.0069	0.00
Enclosed Parking with Elevator	964,202	365	0.0489	0.0069	0.00

5.11.2. Mitigated

Electricity (kWh/yr) and CO2 and CH4 and N2O and Natural Gas (kBTU/yr)

Land Use	Electricity (kWh/yr)	CO2	CH4	N2O	Natural Gas (kBTU/yr)
Apartments Mid Rise	2,461,893	365	0.0489	0.0069	0.00
High Turnover (Sit Down Restaurant)	57,436	365	0.0489	0.0069	78,554

Recreational Swimming Pool	1,194,837	365	0.0489	0.0069	0.00
Enclosed Parking with Elevator	964,202	365	0.0489	0.0069	0.00

5.12. Operational Water and Wastewater Consumption

5.12.1. Unmitigated

Land Use	Indoor Water (gal/year)	Outdoor Water (gal/year)
Apartments Mid Rise	23,258,851	356,433
High Turnover (Sit Down Restaurant)	339,654	0.00
Recreational Swimming Pool	52,223	0.00
Enclosed Parking with Elevator	0.00	0.00

5.12.2. Mitigated

Land Use	Indoor Water (gal/year)	Outdoor Water (gal/year)
Apartments Mid Rise	18,607,081	285,147
High Turnover (Sit Down Restaurant)	271,723	0.00
Recreational Swimming Pool	41,779	0.00
Enclosed Parking with Elevator	0.00	0.00

5.13. Operational Waste Generation

5.13.1. Unmitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)
Apartments Mid Rise	367	—
High Turnover (Sit Down Restaurant)	13.3	—
Recreational Swimming Pool	5.03	—
Enclosed Parking with Elevator	0.00	—

5.13.2. Mitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)
Apartments Mid Rise	93.2	—
High Turnover (Sit Down Restaurant)	3.38	—
Recreational Swimming Pool	1.28	—
Enclosed Parking with Elevator	0.00	—

5.14. Operational Refrigeration and Air Conditioning Equipment

5.14.1. Unmitigated

Land Use Type	Equipment Type	Refrigerant	GWP	Quantity (kg)	Operations Leak Rate	Service Leak Rate	Times Serviced
Apartments Mid Rise	Average room A/C & Other residential A/C and heat pumps	R-410A	2,088	< 0.005	2.50	2.50	10.0
Apartments Mid Rise	Household refrigerators and/or freezers	R-134a	1,430	0.12	0.60	0.00	1.00
High Turnover (Sit Down Restaurant)	Household refrigerators and/or freezers	R-134a	1,430	0.00	0.60	0.00	1.00
High Turnover (Sit Down Restaurant)	Other commercial A/C and heat pumps	R-410A	2,088	1.80	4.00	4.00	18.0
High Turnover (Sit Down Restaurant)	Walk-in refrigerators and freezers	R-404A	3,922	< 0.005	7.50	7.50	20.0
Recreational Swimming Pool	Other commercial A/C and heat pumps	R-410A	2,088	< 0.005	4.00	4.00	18.0
Recreational Swimming Pool	Stand-alone retail refrigerators and freezers	R-134a	1,430	0.04	1.00	0.00	1.00

5.14.2. Mitigated

Land Use Type	Equipment Type	Refrigerant	GWP	Quantity (kg)	Operations Leak Rate	Service Leak Rate	Times Serviced
Apartments Mid Rise	Average room A/C & Other residential A/C and heat pumps	R-410A	2,088	< 0.005	2.50	2.50	10.0
Apartments Mid Rise	Household refrigerators and/or freezers	R-134a	1,430	0.12	0.60	0.00	1.00
High Turnover (Sit Down Restaurant)	Household refrigerators and/or freezers	R-134a	1,430	0.00	0.60	0.00	1.00
High Turnover (Sit Down Restaurant)	Other commercial A/C and heat pumps	R-410A	2,088	1.80	4.00	4.00	18.0
High Turnover (Sit Down Restaurant)	Walk-in refrigerators and freezers	R-404A	3,922	< 0.005	7.50	7.50	20.0
Recreational Swimming Pool	Other commercial A/C and heat pumps	R-410A	2,088	< 0.005	4.00	4.00	18.0
Recreational Swimming Pool	Stand-alone retail refrigerators and freezers	R-134a	1,430	0.04	1.00	0.00	1.00

5.15. Operational Off-Road Equipment

5.15.1. Unmitigated

Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor

5.15.2. Mitigated

Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor

5.16. Stationary Sources

5.16.1. Emergency Generators and Fire Pumps

Equipment Type	Fuel Type	Number per Day	Hours per Day	Hours per Year	Horsepower	Load Factor

Emergency Generator	Diesel	2.00	1.00	200	300	0.73

5.16.2. Process Boilers

Equipment Type	Fuel Type	Number	Boiler Rating (MMBtu/hr)	Daily Heat Input (MMBtu/day)	Annual Heat Input (MMBtu/yr)

5.17. User Defined

Equipment Type	Fuel Type

5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres

5.18.1.2. Mitigated

Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres

5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

Biomass Cover Type	Initial Acres	Final Acres

5.18.1.2. Mitigated

Biomass Cover Type	Initial Acres	Final Acres

5.18.2. Sequestration

5.18.2.1. Unmitigated

Tree Type	Number	Electricity Saved (kWh/year)	Natural Gas Saved (btu/year)

5.18.2.2. Mitigated

Tree Type	Number	Electricity Saved (kWh/year)	Natural Gas Saved (btu/year)

6. Climate Risk Detailed Report

6.1. Climate Risk Summary

Cal-Adapt midcentury 2040–2059 average projections for four hazards are reported below for your project location. These are under Representation Concentration Pathway (RCP) 8.5 which assumes GHG emissions will continue to rise strongly through 2050 and then plateau around 2100.

Climate Hazard	Result for Project Location	Unit
Temperature and Extreme Heat	9.52	annual days of extreme heat
Extreme Precipitation	6.15	annual days with precipitation above 20 mm
Sea Level Rise	—	meters of inundation depth
Wildfire	0.00	annual hectares burned

Temperature and Extreme Heat data are for grid cell in which your project are located. The projection is based on the 98th historical percentile of daily maximum/minimum temperatures from observed historical data (32 climate model ensemble from Cal-Adapt, 2040–2059 average under RCP 8.5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.
Extreme Precipitation data are for the grid cell in which your project are located. The threshold of 20 mm is equivalent to about ¾ an inch of rain, which would be light to moderate rainfall if received over a full day or heavy rain if received over a period of 2 to 4 hours. Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.
Sea Level Rise data are for the grid cell in which your project are located. The projections are from Radke et al. (2017), as reported in Cal-Adapt (Radke et al., 2017, CEC-500-2017-008), and consider inundation location and depth for the San Francisco Bay, the Sacramento-San Joaquin River Delta and California coast resulting different increments of sea level rise coupled with extreme storm events. Users may select from four scenarios to view the range in potential inundation depth for the grid cell. The four scenarios are: No rise, 0.5 meter, 1.0 meter, 1.41 meters
Wildfire data are for the grid cell in which your project are located. The projections are from UC Davis, as reported in Cal-Adapt (2040–2059 average under RCP 8.5), and consider historical data of climate, vegetation, population density, and large (> 400 ha) fire history. Users may select from four model simulations to view the range in potential wildfire probabilities for the grid cell. The four simulations make different assumptions about expected rainfall and temperature are: Warmer/drier (HadGEM2-ES), Cooler/wetter (CNRM-CM5), Average conditions (CanESM2), Range of different rainfall and temperature possibilities (MIROC5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.

6.2. Initial Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	N/A	N/A	N/A	N/A
Extreme Precipitation	N/A	N/A	N/A	N/A
Sea Level Rise	N/A	N/A	N/A	N/A
Wildfire	N/A	N/A	N/A	N/A
Flooding	N/A	N/A	N/A	N/A
Drought	N/A	N/A	N/A	N/A
Snowpack Reduction	N/A	N/A	N/A	N/A
Air Quality Degradation	N/A	N/A	N/A	N/A

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.
The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from prcjected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.
The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores do not include implementation of climate risk reduction measures.

6.3. Adjusted Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	N/A	N/A	N/A	N/A
Extreme Precipitation	N/A	N/A	N/A	N/A
Sea Level Rise	N/A	N/A	N/A	N/A
Wildfire	N/A	N/A	N/A	N/A
Flooding	N/A	N/A	N/A	N/A
Drought	N/A	N/A	N/A	N/A
Snowpack Reduction	N/A	N/A	N/A	N/A
Air Quality Degradation	N/A	N/A	N/A	N/A

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.
The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from prcjected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.

The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores include implementation of climate risk reduction measures.

6.4. Climate Risk Reduction Measures

7. Health and Equity Details

7.1. CalEnviroScreen 4.0 Scores

The maximum CalEnviroScreen score is 100. A high score (i.e., greater than 50) reflects a higher pollution burden compared to other census tracts in the state.

Indicator	Result for Project Census Tract
Exposure Indicators	—
AQ-Ozone	50.5
AQ-PM	89.2
AQ-DPM	95.5
Drinking Water	92.5
Lead Risk Housing	71.6
Pesticides	0.00
Toxic Releases	82.2
Traffic	85.9
Effect Indicators	—
CleanUp Sites	97.2
Groundwater	78.1
Haz Waste Facilities/Generators	98.8
Impaired Water Bodies	66.7
Solid Waste	96.0
Sensitive Population	—
Asthma	97.7
Cardio-vascular	65.1
Low Birth Weights	71.6
Socioeconomic Factor Indicators	—

Education	74.4
Housing	68.5
Linguistic	91.8
Poverty	75.4
Unemployment	79.7

7.2. Healthy Places Index Scores

The maximum Health Places Index score is 100. A high score (i.e., greater than 50) reflects healthier community conditions compared to other census tracts in the state.

Indicator	Result for Project Census Tract
Economic	—
Above Poverty	10.5350956
Employed	49.30065443
Median HI	4.273065572
Education	—
Bachelor's or higher	63.26190171
High school enrollment	100
Preschool enrollment	95.7141024
Transportation	—
Auto Access	1.180546644
Active commuting	97.42076222
Social	—
2-parent households	4.119081227
Voting	13.0373412
Neighborhood	—
Alcohol availability	9.5983575
Park access	81.35506224
Retail density	43.6160657
Supermarket access	82.8564096

Tree canopy	14.50019248
Housing	—
Homeownership	6.723983062
Housing habitability	0.166816374
Low-inc homeowner severe housing cost burden	1.475683306
Low-inc renter severe housing cost burden	66.38008469
Uncrowded housing	6.300526113
Health Outcomes	—
Insured adults	5.902733222
Arthritis	53.0
Asthma ER Admissions	1.4
High Blood Pressure	12.0
Cancer (excluding skin)	82.6
Asthma	21.6
Coronary Heart Disease	15.5
Chronic Obstructive Pulmonary Disease	14.4
Diagnosed Diabetes	11.3
Life Expectancy at Birth	5.1
Cognitively Disabled	13.7
Physically Disabled	6.4
Heart Attack ER Admissions	46.0
Mental Health Not Good	14.9
Chronic Kidney Disease	20.1
Obesity	9.6
Pedestrian Injuries	100.0
Physical Health Not Good	12.4
Stroke	13.0
Health Risk Behaviors	—

Binge Drinking	60.3
Current Smoker	7.4
No Leisure Time for Physical Activity	24.7
Climate Change Exposures	—
Wildfire Risk	0.0
SLR Inundation Area	0.0
Children	76.4
Elderly	97.3
English Speaking	7.7
Foreign-born	75.6
Outdoor Workers	46.0
Climate Change Adaptive Capacity	—
Impervious Surface Cover	0.0
Traffic Density	90.2
Traffic Access	87.4
Other Indices	—
Hardship	82.8
Other Decision Support	—
2016 Voting	5.0

7.3. Overall Health & Equity Scores

Metric	Result for Project Census Tract
CalEnviroScreen 4.0 Score for Project Location (a)	100
Healthy Places Index Score for Project Location (b)	14.0
Project Located in a Designated Disadvantaged Community (Senate Bill 535)	Yes
Project Located in a Low-Income Community (Assembly Bill 1550)	Yes
Project Located in a Community Air Protection Program Community (Assembly Bill 617)	No

a: The maximum CalEnviroScreen score is 100. A high score (i.e., greater than 50) reflects a higher pollution burden compared to other census tracts in the state.
b: The maximum Health Places Index score is 100. A high score (i.e., greater than 50) reflects healthier community conditions compared to other census tracts in the state.

7.4. Health & Equity Measures

No Health & Equity Measures selected.

7.5. Evaluation Scorecard

Health & Equity Evaluation Scorecard not completed.

7.6. Health & Equity Custom Measures

No Health & Equity Custom Measures created.

8. User Changes to Default Data

Screen	Justification
Characteristics: Utility Information	Carbon Intensity for 2029
Land Use	Project Specific
Operations: Hearths	No Hearth
Operations: Energy Use	Ordinance 187714

DTLA Row - Operations Detailed Report

Table of Contents

1. Basic Project Information

1.1. Basic Project Information

1.2. Land Use Types

1.3. User-Selected Emission Reduction Measures by Emissions Sector

2. Emissions Summary

2.4. Operations Emissions Compared Against Thresholds

2.5. Operations Emissions by Sector, Unmitigated

2.6. Operations Emissions by Sector, Mitigated

4. Operations Emissions Details

4.1. Mobile Emissions by Land Use

4.1.1. Unmitigated

4.1.2. Mitigated

4.2. Energy

4.2.1. Electricity Emissions By Land Use - Unmitigated

4.2.2. Electricity Emissions By Land Use - Mitigated

4.2.3. Natural Gas Emissions By Land Use - Unmitigated

4.2.4. Natural Gas Emissions By Land Use - Mitigated

4.3. Area Emissions by Source

4.3.1. Unmitigated

4.3.2. Mitigated

4.4. Water Emissions by Land Use

4.4.1. Unmitigated

4.4.2. Mitigated

4.5. Waste Emissions by Land Use

4.5.1. Unmitigated

4.5.2. Mitigated

4.6. Refrigerant Emissions by Land Use

4.6.1. Unmitigated

4.6.2. Mitigated

4.7. Offroad Emissions By Equipment Type

4.7.1. Unmitigated

4.7.2. Mitigated

4.8. Stationary Emissions By Equipment Type

4.8.1. Unmitigated

4.8.2. Mitigated

4.9. User Defined Emissions By Equipment Type

4.9.1. Unmitigated

4.9.2. Mitigated

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

4.10.2. Above and Belowground Carbon Accumulation by Land Use Type - Unmitigated

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

4.10.4. Soil Carbon Accumulation By Vegetation Type - Mitigated

4.10.5. Above and Belowground Carbon Accumulation by Land Use Type - Mitigated

4.10.6. Avoided and Sequestered Emissions by Species - Mitigated

5. Activity Data

5.9. Operational Mobile Sources

5.9.1. Unmitigated

5.9.2. Mitigated

5.10. Operational Area Sources

5.10.1. Hearths

5.10.1.1. Unmitigated

5.10.1.2. Mitigated

5.10.2. Architectural Coatings

5.10.3. Landscape Equipment

5.10.4. Landscape Equipment - Mitigated

5.11. Operational Energy Consumption

5.11.1. Unmitigated

5.11.2. Mitigated

5.12. Operational Water and Wastewater Consumption

5.12.1. Unmitigated

5.12.2. Mitigated

5.13. Operational Waste Generation

5.13.1. Unmitigated

5.13.2. Mitigated

5.14. Operational Refrigeration and Air Conditioning Equipment

5.14.1. Unmitigated

5.14.2. Mitigated

5.15. Operational Off-Road Equipment

5.15.1. Unmitigated

5.15.2. Mitigated

5.16. Stationary Sources

5.16.1. Emergency Generators and Fire Pumps

5.16.2. Process Boilers

5.17. User Defined

5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

5.18.1.2. Mitigated

5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

5.18.1.2. Mitigated

5.18.2. Sequestration

5.18.2.1. Unmitigated

5.18.2.2. Mitigated

6. Climate Risk Detailed Report

6.1. Climate Risk Summary

6.2. Initial Climate Risk Scores

6.3. Adjusted Climate Risk Scores

6.4. Climate Risk Reduction Measures

7. Health and Equity Details

7.1. CalEnviroScreen 4.0 Scores

7.2. Healthy Places Index Scores

7.3. Overall Health & Equity Scores

7.4. Health & Equity Measures

7.5. Evaluation Scorecard

7.6. Health & Equity Custom Measures

8. User Changes to Default Data

1. Basic Project Information

1.1. Basic Project Information

Data Field	Value
Project Name	DTLA Row - Operations
Operational Year	2032
Lead Agency	—
Land Use Scale	Project/site
Analysis Level for Defaults	County
Windspeed (m/s)	0.50
Precipitation (days)	18.4
Location	34.03283673591915, -118.23932369571361
County	Los Angeles-South Coast
City	Los Angeles
Air District	South Coast AQMD
Air Basin	South Coast
TAZ	4066
EDFZ	16
Electric Utility	Los Angeles Department of Water & Power
Gas Utility	Southern California Gas
App Version	2022.1.1.29

1.2. Land Use Types

Land Use Subtype	Size	Unit	Lot Acreage	Building Area (sq ft)	Landscape Area (sq ft)	Special Landscape Area (sq ft)	Population	Description
Apartments Mid Rise	1,000	Dwelling Unit	4.81	519,106	31,530	0.00	2,354	—

High Turnover (Sit Down Restaurant)	6.55	1000sqft	0.00	6,547	0.00	0.00	—	—
Recreational Swimming Pool	0.88	1000sqft	0.00	883	0.00	0.00	—	—
Enclosed Parking with Elevator	1,092	Space	9.83	436,800	0.00	0.00	—	—

1.3. User-Selected Emission Reduction Measures by Emissions Sector

Sector	#	Measure Title
Water	W-7	Adopt a Water Conservation Strategy
Waste	S-1/S-2	Implement Waste Reduction Plan

2. Emissions Summary

2.4. Operations Emissions Compared Against Thresholds

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Un/Mit.	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Unmit.	33.3	11.8	165	0.23	0.40	21.5	21.9	0.38	5.47	5.85	31,600
Mit.	33.3	11.8	165	0.23	0.40	21.5	21.9	0.38	5.47	5.85	30,546
% Reduced	—	—	—	—	—	—	—	—	—	—	3%
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Unmit.	25.2	11.7	83.1	0.21	0.34	21.5	21.9	0.33	5.47	5.80	30,457
Mit.	25.2	11.7	83.1	0.21	0.34	21.5	21.9	0.33	5.47	5.80	29,403
% Reduced	—	—	—	—	—	—	—	—	—	—	3%
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—
Unmit.	29.9	10.4	135	0.21	0.28	21.3	21.6	0.27	5.41	5.67	30,528

Mit.	29.9	10.4	135	0.21	0.28	21.3	21.6	0.27	5.41	5.67	29,474
% Reduced	—	—	—	—	—	—	—	—	—	—	3%
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—
Unmit.	5.46	1.90	24.7	0.04	0.05	3.88	3.94	0.05	0.99	1.04	5,054
Mit.	5.46	1.90	24.7	0.04	0.05	3.88	3.94	0.05	0.99	1.04	4,880
% Reduced	—	—	—	—	—	—	—	—	—	—	3%

2.5. Operations Emissions by Sector, Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Sector	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Mobile	11.5	6.87	84.6	0.21	0.11	21.5	21.7	0.11	5.47	5.58	22,162
Area	20.3	0.69	76.3	< 0.005	0.06	—	0.06	0.05	—	0.05	232
Energy	0.01	0.12	0.10	< 0.005	0.01	—	0.01	0.01	—	0.01	6,618
Water	—	—	—	—	—	—	—	—	—	—	551
Waste	—	—	—	—	—	—	—	—	—	—	1,265
Refrig.	—	—	—	—	—	—	—	—	—	—	14.0
Stationary	1.48	4.13	3.77	0.01	0.22	0.00	0.22	0.22	0.00	0.22	758
Total	33.3	11.8	165	0.23	0.40	21.5	21.9	0.38	5.47	5.85	31,600
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Mobile	11.5	7.49	79.3	0.20	0.11	21.5	21.7	0.11	5.47	5.58	21,251
Area	12.2	—	—	—	—	—	—	—	—	—	—
Energy	0.01	0.12	0.10	< 0.005	0.01	—	0.01	0.01	—	0.01	6,618
Water	—	—	—	—	—	—	—	—	—	—	551
Waste	—	—	—	—	—	—	—	—	—	—	1,265
Refrig.	—	—	—	—	—	—	—	—	—	—	14.0
Stationary	1.48	4.13	3.77	0.01	0.22	0.00	0.22	0.22	0.00	0.22	758

Total	25.2	11.7	83.1	0.21	0.34	21.5	21.9	0.33	5.47	5.80	30,457
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Mobile	11.3	7.53	81.0	0.21	0.11	21.3	21.4	0.11	5.41	5.51	21,506
Area	17.8	0.47	52.2	< 0.005	0.04	—	0.04	0.03	—	0.03	159
Energy	0.01	0.12	0.10	< 0.005	0.01	—	0.01	0.01	—	0.01	6,618
Water	—	—	—	—	—	—	—	—	—	—	551
Waste	—	—	—	—	—	—	—	—	—	—	1,265
Refrig.	—	—	—	—	—	—	—	—	—	—	14.0
Stationary	0.81	2.26	2.06	< 0.005	0.12	0.00	0.12	0.12	0.00	0.12	415
Total	29.9	10.4	135	0.21	0.28	21.3	21.6	0.27	5.41	5.67	30,528
Annual	—	—	—	—	—	—	—	—	—	—	—
Mobile	2.07	1.37	14.8	0.04	0.02	3.88	3.91	0.02	0.99	1.01	3,560
Area	3.24	0.09	9.53	< 0.005	0.01	—	0.01	0.01	—	0.01	26.3
Energy	< 0.005	0.02	0.02	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	1,096
Water	—	—	—	—	—	—	—	—	—	—	91.2
Waste	—	—	—	—	—	—	—	—	—	—	209
Refrig.	—	—	—	—	—	—	—	—	—	—	2.31
Stationary	0.15	0.41	0.38	< 0.005	0.02	0.00	0.02	0.02	0.00	0.02	68.8
Total	5.46	1.90	24.7	0.04	0.05	3.88	3.94	0.05	0.99	1.04	5,054

2.6. Operations Emissions by Sector, Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Sector	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Mobile	11.5	6.87	84.6	0.21	0.11	21.5	21.7	0.11	5.47	5.58	22,162
Area	20.3	0.69	76.3	< 0.005	0.06	—	0.06	0.05	—	0.05	232
Energy	0.01	0.12	0.10	< 0.005	0.01	—	0.01	0.01	—	0.01	6,618

Water	—	—	—	—	—	—	—	—	—	—	441
Waste	—	—	—	—	—	—	—	—	—	—	321
Refrig.	—	—	—	—	—	—	—	—	—	—	14.0
Stationary	1.48	4.13	3.77	0.01	0.22	0.00	0.22	0.22	0.00	0.22	758
Total	33.3	11.8	165	0.23	0.40	21.5	21.9	0.38	5.47	5.85	30,546
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Mobile	11.5	7.49	79.3	0.20	0.11	21.5	21.7	0.11	5.47	5.58	21,251
Area	12.2	—	—	—	—	—	—	—	—	—	—
Energy	0.01	0.12	0.10	< 0.005	0.01	—	0.01	0.01	—	0.01	6,618
Water	—	—	—	—	—	—	—	—	—	—	441
Waste	—	—	—	—	—	—	—	—	—	—	321
Refrig.	—	—	—	—	—	—	—	—	—	—	14.0
Stationary	1.48	4.13	3.77	0.01	0.22	0.00	0.22	0.22	0.00	0.22	758
Total	25.2	11.7	83.1	0.21	0.34	21.5	21.9	0.33	5.47	5.80	29,403
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Mobile	11.3	7.53	81.0	0.21	0.11	21.3	21.4	0.11	5.41	5.51	21,506
Area	17.8	0.47	52.2	< 0.005	0.04	—	0.04	0.03	—	0.03	159
Energy	0.01	0.12	0.10	< 0.005	0.01	—	0.01	0.01	—	0.01	6,618
Water	—	—	—	—	—	—	—	—	—	—	441
Waste	—	—	—	—	—	—	—	—	—	—	321
Refrig.	—	—	—	—	—	—	—	—	—	—	14.0
Stationary	0.81	2.26	2.06	< 0.005	0.12	0.00	0.12	0.12	0.00	0.12	415
Total	29.9	10.4	135	0.21	0.28	21.3	21.6	0.27	5.41	5.67	29,474
Annual	—	—	—	—	—	—	—	—	—	—	—
Mobile	2.07	1.37	14.8	0.04	0.02	3.88	3.91	0.02	0.99	1.01	3,560
Area	3.24	0.09	9.53	< 0.005	0.01	—	0.01	0.01	—	0.01	26.3
Energy	< 0.005	0.02	0.02	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	1,096
Water	—	—	—	—	—	—	—	—	—	—	73.0

Waste	—	—	—	—	—	—	—	—	—	—	53.2
Refrig.	—	—	—	—	—	—	—	—	—	—	2.31
Stationary	0.15	0.41	0.38	< 0.005	0.02	0.00	0.02	0.02	0.00	0.02	68.8
Total	5.46	1.90	24.7	0.04	0.05	3.88	3.94	0.05	0.99	1.04	4,880

4. Operations Emissions Details

4.1. Mobile Emissions by Land Use

4.1.1. Unmitigated

Mobile source emissions results are presented in Sections 2.6. No further detailed breakdown of emissions is available.

4.1.2. Mitigated

Mobile source emissions results are presented in Sections 2.5. No further detailed breakdown of emissions is available.

4.2. Energy

4.2.1. Electricity Emissions By Land Use - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	3,321
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	283
Recreational Swimming Pool	—	—	—	—	—	—	—	—	—	—	1,509
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	1,357

Total	—	—	—	—	—	—	—	—	—	—	6,471
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	3,321
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	283
Recreational Swimming Pool	—	—	—	—	—	—	—	—	—	—	1,509
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	1,357
Total	—	—	—	—	—	—	—	—	—	—	6,471
Annual	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	550
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	46.8
Recreational Swimming Pool	—	—	—	—	—	—	—	—	—	—	250
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	225
Total	—	—	—	—	—	—	—	—	—	—	1,071

4.2.2. Electricity Emissions By Land Use - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—

Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	3,321
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	283
Recreational Swimming Pool	—	—	—	—	—	—	—	—	—	—	1,509
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	1,357
Total	—	—	—	—	—	—	—	—	—	—	6,471
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	3,321
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	283
Recreational Swimming Pool	—	—	—	—	—	—	—	—	—	—	1,509
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	1,357
Total	—	—	—	—	—	—	—	—	—	—	6,471
Annual	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	550
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	46.8
Recreational Swimming Pool	—	—	—	—	—	—	—	—	—	—	250

Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	225
Total	—	—	—	—	—	—	—	—	—	—	1,071

4.2.3. Natural Gas Emissions By Land Use - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00
High Turnover (Sit Down Restaurant)	0.01	0.12	0.10	< 0.005	0.01	—	0.01	0.01	—	0.01	148
Recreational Swimming Pool	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00
Enclosed Parking with Elevator	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00
Total	0.01	0.12	0.10	< 0.005	0.01	—	0.01	0.01	—	0.01	148
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00
High Turnover (Sit Down Restaurant)	0.01	0.12	0.10	< 0.005	0.01	—	0.01	0.01	—	0.01	148
Recreational Swimming Pool	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00
Enclosed Parking with Elevator	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00

Total	0.01	0.12	0.10	< 0.005	0.01	—	0.01	0.01	—	0.01	148
Annual	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00
High Turnover (Sit Down Restaurant)	< 0.005	0.02	0.02	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	24.5
Recreational Swimming Pool	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00
Enclosed Parking with Elevator	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00
Total	< 0.005	0.02	0.02	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	24.5

4.2.4. Natural Gas Emissions By Land Use - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00
High Turnover (Sit Down Restaurant)	0.01	0.12	0.10	< 0.005	0.01	—	0.01	0.01	—	0.01	148
Recreational Swimming Pool	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00
Enclosed Parking with Elevator	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00
Total	0.01	0.12	0.10	< 0.005	0.01	—	0.01	0.01	—	0.01	148
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—

Apartments Mid Rise	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00
High Turnover (Sit Down Restaurant)	0.01	0.12	0.10	< 0.005	0.01	—	0.01	0.01	—	0.01	148
Recreational Swimming Pool	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00
Enclosed Parking with Elevator	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00
Total	0.01	0.12	0.10	< 0.005	0.01	—	0.01	0.01	—	0.01	148
Annual	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00
High Turnover (Sit Down Restaurant)	< 0.005	0.02	0.02	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	24.5
Recreational Swimming Pool	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00
Enclosed Parking with Elevator	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00
Total	< 0.005	0.02	0.02	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	24.5

4.3. Area Emissions by Source

4.3.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Source	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—

Consumer Products	11.3	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.97	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	8.07	0.69	76.3	< 0.005	0.06	—	0.06	0.05	—	0.05	232
Total	20.3	0.69	76.3	< 0.005	0.06	—	0.06	0.05	—	0.05	232
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	11.3	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.97	—	—	—	—	—	—	—	—	—	—
Total	12.2	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	2.06	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.18	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	1.01	0.09	9.53	< 0.005	0.01	—	0.01	0.01	—	0.01	26.3
Total	3.24	0.09	9.53	< 0.005	0.01	—	0.01	0.01	—	0.01	26.3

4.3.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Source	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	11.3	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.97	—	—	—	—	—	—	—	—	—	—

Landscape Equipment	8.07	0.69	76.3	< 0.005	0.06	—	0.06	0.05	—	0.05	232
Total	20.3	0.69	76.3	< 0.005	0.06	—	0.06	0.05	—	0.05	232
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	11.3	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.97	—	—	—	—	—	—	—	—	—	—
Total	12.2	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	2.06	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.18	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	1.01	0.09	9.53	< 0.005	0.01	—	0.01	0.01	—	0.01	26.3
Total	3.24	0.09	9.53	< 0.005	0.01	—	0.01	0.01	—	0.01	26.3

4.4. Water Emissions by Land Use

4.4.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	522
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	27.7

Recreational Swimming Pool	—	—	—	—	—	—	—	—	—	—	0.73
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	551
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	522
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	27.7
Recreational Swimming Pool	—	—	—	—	—	—	—	—	—	—	0.73
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	551
Annual	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	86.5
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	4.59
Recreational Swimming Pool	—	—	—	—	—	—	—	—	—	—	0.12
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	91.2

4.4.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	418
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	22.2
Recreational Swimming Pool	—	—	—	—	—	—	—	—	—	—	0.58
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	441
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	418
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	22.2
Recreational Swimming Pool	—	—	—	—	—	—	—	—	—	—	0.58
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	441
Annual	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	69.2

High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	3.67
Recreational Swimming Pool	—	—	—	—	—	—	—	—	—	—	0.10
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	73.0

4.5. Waste Emissions by Land Use

4.5.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	1,109
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	147
Recreational Swimming Pool	—	—	—	—	—	—	—	—	—	—	9.49
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	1,265
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	1,109

High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	147
Recreational Swimming Pool	—	—	—	—	—	—	—	—	—	—	9.49
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	1,265
Annual	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	184
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	24.3
Recreational Swimming Pool	—	—	—	—	—	—	—	—	—	—	1.57
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	209

4.5.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	282
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	37.3

Recreational Swimming Pool	—	—	—	—	—	—	—	—	—	—	2.41
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	321
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	282
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	37.3
Recreational Swimming Pool	—	—	—	—	—	—	—	—	—	—	2.41
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	321
Annual	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	46.6
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	6.18
Recreational Swimming Pool	—	—	—	—	—	—	—	—	—	—	0.40
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	53.2

4.6. Refrigerant Emissions by Land Use

4.6.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	3.72
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	10.2
Recreational Swimming Pool	—	—	—	—	—	—	—	—	—	—	< 0.005
Total	—	—	—	—	—	—	—	—	—	—	14.0
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	3.72
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	10.2
Recreational Swimming Pool	—	—	—	—	—	—	—	—	—	—	< 0.005
Total	—	—	—	—	—	—	—	—	—	—	14.0
Annual	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	0.62
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	1.69

Recreational Swimming Pool	—	—	—	—	—	—	—	—	—	—	< 0.005
Total	—	—	—	—	—	—	—	—	—	—	2.31

4.6.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	3.72
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	10.2
Recreational Swimming Pool	—	—	—	—	—	—	—	—	—	—	< 0.005
Total	—	—	—	—	—	—	—	—	—	—	14.0
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	3.72
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	10.2
Recreational Swimming Pool	—	—	—	—	—	—	—	—	—	—	< 0.005
Total	—	—	—	—	—	—	—	—	—	—	14.0
Annual	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	0.62

High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	1.69
Recreational Swimming Pool	—	—	—	—	—	—	—	—	—	—	< 0.005
Total	—	—	—	—	—	—	—	—	—	—	2.31

4.7. Offroad Emissions By Equipment Type

4.7.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—

4.7.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—

Total	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—

4.8. Stationary Emissions By Equipment Type

4.8.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Emergency Generator	1.48	4.13	3.77	0.01	0.22	0.00	0.22	0.22	0.00	0.22	758
Total	1.48	4.13	3.77	0.01	0.22	0.00	0.22	0.22	0.00	0.22	758
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Emergency Generator	1.48	4.13	3.77	0.01	0.22	0.00	0.22	0.22	0.00	0.22	758
Total	1.48	4.13	3.77	0.01	0.22	0.00	0.22	0.22	0.00	0.22	758
Annual	—	—	—	—	—	—	—	—	—	—	—
Emergency Generator	0.15	0.41	0.38	< 0.005	0.02	0.00	0.02	0.02	0.00	0.02	68.8
Total	0.15	0.41	0.38	< 0.005	0.02	0.00	0.02	0.02	0.00	0.02	68.8

4.8.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—

Emergency Generator	1.48	4.13	3.77	0.01	0.22	0.00	0.22	0.22	0.00	0.22	758
Total	1.48	4.13	3.77	0.01	0.22	0.00	0.22	0.22	0.00	0.22	758
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Emergency Generator	1.48	4.13	3.77	0.01	0.22	0.00	0.22	0.22	0.00	0.22	758
Total	1.48	4.13	3.77	0.01	0.22	0.00	0.22	0.22	0.00	0.22	758
Annual	—	—	—	—	—	—	—	—	—	—	—
Emergency Generator	0.15	0.41	0.38	< 0.005	0.02	0.00	0.02	0.02	0.00	0.02	68.8
Total	0.15	0.41	0.38	< 0.005	0.02	0.00	0.02	0.02	0.00	0.02	68.8

4.9. User Defined Emissions By Equipment Type

4.9.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—

4.9.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Vegetation	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—

4.10.2. Above and Belowground Carbon Accumulation by Land Use Type - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—

Total	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Species	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—

Avoided	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—

4.10.4. Soil Carbon Accumulation By Vegetation Type - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Vegetation	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—

4.10.5. Above and Belowground Carbon Accumulation by Land Use Type - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—

Annual	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—

4.10.6. Avoided and Sequestered Emissions by Species - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Species	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—

Removed	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—

5. Activity Data

5.9. Operational Mobile Sources

5.9.1. Unmitigated

Land Use Type	Trips/Weekday	Trips/Saturday	Trips/Sunday	Trips/Year	VMT/Weekday	VMT/Saturday	VMT/Sunday	VMT/Year
Total all Land Uses	4,648	4,648	4,648	1,696,520	30,369	30,369	30,369	11,084,685

5.9.2. Mitigated

Land Use Type	Trips/Weekday	Trips/Saturday	Trips/Sunday	Trips/Year	VMT/Weekday	VMT/Saturday	VMT/Sunday	VMT/Year
Total all Land Uses	4,648	4,648	4,648	1,696,520	30,369	30,369	30,369	11,084,685

5.10. Operational Area Sources

5.10.1. Hearths

5.10.1.1. Unmitigated

5.10.1.2. Mitigated

5.10.2. Architectural Coatings

Residential Interior Area Coated (sq ft)	Residential Exterior Area Coated (sq ft)	Non-Residential Interior Area Coated (sq ft)	Non-Residential Exterior Area Coated (sq ft)	Parking Area Coated (sq ft)
1051189.65	350,397	29,085	5,414	25,686

5.10.3. Landscape Equipment

Season	Unit	Value
Snow Days	day/yr	0.00
Summer Days	day/yr	250

5.10.4. Landscape Equipment - Mitigated

Season	Unit	Value
Snow Days	day/yr	0.00
Summer Days	day/yr	250

5.11. Operational Energy Consumption

5.11.1. Unmitigated

Electricity (kWh/yr) and CO2 and CH4 and N2O and Natural Gas (kBTU/yr)

Land Use	Electricity (kWh/yr)	CO2	CH4	N2O	Natural Gas (kBTU/yr)
Apartments Mid Rise	3,945,343	304	0.0489	0.0069	0.00
High Turnover (Sit Down Restaurant)	336,045	304	0.0489	0.0069	459,599
Recreational Swimming Pool	1,792,256	304	0.0489	0.0069	0.00
Enclosed Parking with Elevator	1,612,417	304	0.0489	0.0069	0.00

5.11.2. Mitigated

Electricity (kWh/yr) and CO2 and CH4 and N2O and Natural Gas (kBTU/yr)

Land Use	Electricity (kWh/yr)	CO2	CH4	N2O	Natural Gas (kBTU/yr)
Apartments Mid Rise	3,945,343	304	0.0489	0.0069	0.00
High Turnover (Sit Down Restaurant)	336,045	304	0.0489	0.0069	459,599

Recreational Swimming Pool	1,792,256	304	0.0489	0.0069	0.00
Enclosed Parking with Elevator	1,612,417	304	0.0489	0.0069	0.00

5.12. Operational Water and Wastewater Consumption

5.12.1. Unmitigated

Land Use	Indoor Water (gal/year)	Outdoor Water (gal/year)
Apartments Mid Rise	37,273,800	540,461
High Turnover (Sit Down Restaurant)	1,987,235	0.00
Recreational Swimming Pool	52,223	0.00
Enclosed Parking with Elevator	0.00	0.00

5.12.2. Mitigated

Land Use	Indoor Water (gal/year)	Outdoor Water (gal/year)
Apartments Mid Rise	29,819,040	432,369
High Turnover (Sit Down Restaurant)	1,589,788	0.00
Recreational Swimming Pool	41,779	0.00
Enclosed Parking with Elevator	0.00	0.00

5.13. Operational Waste Generation

5.13.1. Unmitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)
Apartments Mid Rise	588	—
High Turnover (Sit Down Restaurant)	77.9	—
Recreational Swimming Pool	5.03	—
Enclosed Parking with Elevator	0.00	—

5.13.2. Mitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)
Apartments Mid Rise	149	—
High Turnover (Sit Down Restaurant)	19.8	—
Recreational Swimming Pool	1.28	—
Enclosed Parking with Elevator	0.00	—

5.14. Operational Refrigeration and Air Conditioning Equipment

5.14.1. Unmitigated

Land Use Type	Equipment Type	Refrigerant	GWP	Quantity (kg)	Operations Leak Rate	Service Leak Rate	Times Serviced
Apartments Mid Rise	Average room A/C & Other residential A/C and heat pumps	R-410A	2,088	< 0.005	2.50	2.50	10.0
Apartments Mid Rise	Household refrigerators and/or freezers	R-134a	1,430	0.12	0.60	0.00	1.00
High Turnover (Sit Down Restaurant)	Household refrigerators and/or freezers	R-134a	1,430	0.00	0.60	0.00	1.00
High Turnover (Sit Down Restaurant)	Other commercial A/C and heat pumps	R-410A	2,088	1.80	4.00	4.00	18.0
High Turnover (Sit Down Restaurant)	Walk-in refrigerators and freezers	R-404A	3,922	< 0.005	7.50	7.50	20.0
Recreational Swimming Pool	Other commercial A/C and heat pumps	R-410A	2,088	< 0.005	4.00	4.00	18.0
Recreational Swimming Pool	Stand-alone retail refrigerators and freezers	R-134a	1,430	0.04	1.00	0.00	1.00

5.14.2. Mitigated

Land Use Type	Equipment Type	Refrigerant	GWP	Quantity (kg)	Operations Leak Rate	Service Leak Rate	Times Serviced
Apartments Mid Rise	Average room A/C & Other residential A/C and heat pumps	R-410A	2,088	< 0.005	2.50	2.50	10.0
Apartments Mid Rise	Household refrigerators and/or freezers	R-134a	1,430	0.12	0.60	0.00	1.00
High Turnover (Sit Down Restaurant)	Household refrigerators and/or freezers	R-134a	1,430	0.00	0.60	0.00	1.00
High Turnover (Sit Down Restaurant)	Other commercial A/C and heat pumps	R-410A	2,088	1.80	4.00	4.00	18.0
High Turnover (Sit Down Restaurant)	Walk-in refrigerators and freezers	R-404A	3,922	< 0.005	7.50	7.50	20.0
Recreational Swimming Pool	Other commercial A/C and heat pumps	R-410A	2,088	< 0.005	4.00	4.00	18.0
Recreational Swimming Pool	Stand-alone retail refrigerators and freezers	R-134a	1,430	0.04	1.00	0.00	1.00

5.15. Operational Off-Road Equipment

5.15.1. Unmitigated

Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor

5.15.2. Mitigated

Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor

5.16. Stationary Sources

5.16.1. Emergency Generators and Fire Pumps

Equipment Type	Fuel Type	Number per Day	Hours per Day	Hours per Year	Horsepower	Load Factor

Emergency Generator	Diesel	3.00	1.00	200	300	0.73

5.16.2. Process Boilers

Equipment Type	Fuel Type	Number	Boiler Rating (MMBtu/hr)	Daily Heat Input (MMBtu/day)	Annual Heat Input (MMBtu/yr)

5.17. User Defined

Equipment Type	Fuel Type

5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres

5.18.1.2. Mitigated

Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres

5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

Biomass Cover Type	Initial Acres	Final Acres

5.18.1.2. Mitigated

Biomass Cover Type	Initial Acres	Final Acres

5.18.2. Sequestration

5.18.2.1. Unmitigated

Tree Type	Number	Electricity Saved (kWh/year)	Natural Gas Saved (btu/year)

5.18.2.2. Mitigated

Tree Type	Number	Electricity Saved (kWh/year)	Natural Gas Saved (btu/year)

6. Climate Risk Detailed Report

6.1. Climate Risk Summary

Cal-Adapt midcentury 2040–2059 average projections for four hazards are reported below for your project location. These are under Representation Concentration Pathway (RCP) 8.5 which assumes GHG emissions will continue to rise strongly through 2050 and then plateau around 2100.

Climate Hazard	Result for Project Location	Unit
Temperature and Extreme Heat	9.52	annual days of extreme heat
Extreme Precipitation	6.15	annual days with precipitation above 20 mm
Sea Level Rise	—	meters of inundation depth
Wildfire	0.00	annual hectares burned

Temperature and Extreme Heat data are for grid cell in which your project are located. The projection is based on the 98th historical percentile of daily maximum/minimum temperatures from observed historical data (32 climate model ensemble from Cal-Adapt, 2040–2059 average under RCP 8.5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.
Extreme Precipitation data are for the grid cell in which your project are located. The threshold of 20 mm is equivalent to about ¾ an inch of rain, which would be light to moderate rainfall if received over a full day or heavy rain if received over a period of 2 to 4 hours. Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.
Sea Level Rise data are for the grid cell in which your project are located. The projections are from Radke et al. (2017), as reported in Cal-Adapt (Radke et al., 2017, CEC-500-2017-008), and consider inundation location and depth for the San Francisco Bay, the Sacramento-San Joaquin River Delta and California coast resulting different increments of sea level rise coupled with extreme storm events. Users may select from four scenarios to view the range in potential inundation depth for the grid cell. The four scenarios are: No rise, 0.5 meter, 1.0 meter, 1.41 meters
Wildfire data are for the grid cell in which your project are located. The projections are from UC Davis, as reported in Cal-Adapt (2040–2059 average under RCP 8.5), and consider historical data of climate, vegetation, population density, and large (> 400 ha) fire history. Users may select from four model simulations to view the range in potential wildfire probabilities for the grid cell. The four simulations make different assumptions about expected rainfall and temperature are: Warmer/drier (HadGEM2-ES), Cooler/wetter (CNRM-CM5), Average conditions (CanESM2), Range of different rainfall and temperature possibilities (MIROC5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.

6.2. Initial Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	N/A	N/A	N/A	N/A
Extreme Precipitation	N/A	N/A	N/A	N/A
Sea Level Rise	N/A	N/A	N/A	N/A
Wildfire	N/A	N/A	N/A	N/A
Flooding	N/A	N/A	N/A	N/A
Drought	N/A	N/A	N/A	N/A
Snowpack Reduction	N/A	N/A	N/A	N/A
Air Quality Degradation	N/A	N/A	N/A	N/A

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.
The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from prcjected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.
The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores do not include implementation of climate risk reduction measures.

6.3. Adjusted Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	N/A	N/A	N/A	N/A
Extreme Precipitation	N/A	N/A	N/A	N/A
Sea Level Rise	N/A	N/A	N/A	N/A
Wildfire	N/A	N/A	N/A	N/A
Flooding	N/A	N/A	N/A	N/A
Drought	N/A	N/A	N/A	N/A
Snowpack Reduction	N/A	N/A	N/A	N/A
Air Quality Degradation	N/A	N/A	N/A	N/A

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.
The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from prcjected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.

The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores include implementation of climate risk reduction measures.

6.4. Climate Risk Reduction Measures

7. Health and Equity Details

7.1. CalEnviroScreen 4.0 Scores

The maximum CalEnviroScreen score is 100. A high score (i.e., greater than 50) reflects a higher pollution burden compared to other census tracts in the state.

Indicator	Result for Project Census Tract
Exposure Indicators	—
AQ-Ozone	50.5
AQ-PM	89.2
AQ-DPM	95.5
Drinking Water	92.5
Lead Risk Housing	71.6
Pesticides	0.00
Toxic Releases	82.2
Traffic	85.9
Effect Indicators	—
CleanUp Sites	97.2
Groundwater	78.1
Haz Waste Facilities/Generators	98.8
Impaired Water Bodies	66.7
Solid Waste	96.0
Sensitive Population	—
Asthma	97.7
Cardio-vascular	65.1
Low Birth Weights	71.6
Socioeconomic Factor Indicators	—

Education	74.4
Housing	68.5
Linguistic	91.8
Poverty	75.4
Unemployment	79.7

7.2. Healthy Places Index Scores

The maximum Health Places Index score is 100. A high score (i.e., greater than 50) reflects healthier community conditions compared to other census tracts in the state.

Indicator	Result for Project Census Tract
Economic	—
Above Poverty	10.5350956
Employed	49.30065443
Median HI	4.273065572
Education	—
Bachelor's or higher	63.26190171
High school enrollment	100
Preschool enrollment	95.7141024
Transportation	—
Auto Access	1.180546644
Active commuting	97.42076222
Social	—
2-parent households	4.119081227
Voting	13.0373412
Neighborhood	—
Alcohol availability	9.5983575
Park access	81.35506224
Retail density	43.6160657
Supermarket access	82.8564096

Tree canopy	14.50019248
Housing	—
Homeownership	6.723983062
Housing habitability	0.166816374
Low-inc homeowner severe housing cost burden	1.475683306
Low-inc renter severe housing cost burden	66.38008469
Uncrowded housing	6.300526113
Health Outcomes	—
Insured adults	5.902733222
Arthritis	53.0
Asthma ER Admissions	1.4
High Blood Pressure	12.0
Cancer (excluding skin)	82.6
Asthma	21.6
Coronary Heart Disease	15.5
Chronic Obstructive Pulmonary Disease	14.4
Diagnosed Diabetes	11.3
Life Expectancy at Birth	5.1
Cognitively Disabled	13.7
Physically Disabled	6.4
Heart Attack ER Admissions	46.0
Mental Health Not Good	14.9
Chronic Kidney Disease	20.1
Obesity	9.6
Pedestrian Injuries	100.0
Physical Health Not Good	12.4
Stroke	13.0
Health Risk Behaviors	—

Binge Drinking	60.3
Current Smoker	7.4
No Leisure Time for Physical Activity	24.7
Climate Change Exposures	—
Wildfire Risk	0.0
SLR Inundation Area	0.0
Children	76.4
Elderly	97.3
English Speaking	7.7
Foreign-born	75.6
Outdoor Workers	46.0
Climate Change Adaptive Capacity	—
Impervious Surface Cover	0.0
Traffic Density	90.2
Traffic Access	87.4
Other Indices	—
Hardship	82.8
Other Decision Support	—
2016 Voting	5.0

7.3. Overall Health & Equity Scores

Metric	Result for Project Census Tract
CalEnviroScreen 4.0 Score for Project Location (a)	100
Healthy Places Index Score for Project Location (b)	14.0
Project Located in a Designated Disadvantaged Community (Senate Bill 535)	Yes
Project Located in a Low-Income Community (Assembly Bill 1550)	Yes
Project Located in a Community Air Protection Program Community (Assembly Bill 617)	No

a: The maximum CalEnviroScreen score is 100. A high score (i.e., greater than 50) reflects a higher pollution burden compared to other census tracts in the state.
b: The maximum Health Places Index score is 100. A high score (i.e., greater than 50) reflects healthier community conditions compared to other census tracts in the state.

7.4. Health & Equity Measures

No Health & Equity Measures selected.

7.5. Evaluation Scorecard

Health & Equity Evaluation Scorecard not completed.

7.6. Health & Equity Custom Measures

No Health & Equity Custom Measures created.

8. User Changes to Default Data

Screen	Justification
Characteristics: Utility Information	Carbon Intensity for 2032
Land Use	Project Specific
Operations: Hearths	No Hearth
Operations: Energy Use	Ordinance 187714

DTLA Row - Construction South Lot Building A Detailed Report

Table of Contents

1. Basic Project Information

1.1. Basic Project Information

1.2. Land Use Types

1.3. User-Selected Emission Reduction Measures by Emissions Sector

2. Emissions Summary

2.1. Construction Emissions Compared Against Thresholds

2.2. Construction Emissions by Year, Unmitigated

3. Construction Emissions Details

3.1. Demolition/Utility Relocation (2027) - Unmitigated

3.3. Grading/Shoring/Excavation (2027) - Unmitigated

3.5. Building Foundation (2027) - Unmitigated

3.7. Building Foundation (2028) - Unmitigated

3.9. Building Construction (2028) - Unmitigated

3.11. Building Construction (2029) - Unmitigated

3.13. Paving (2029) - Unmitigated

3.15. Architectural Coating (2029) - Unmitigated

4. Operations Emissions Details

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

4.10.2. Above and Belowground Carbon Accumulation by Land Use Type - Unmitigated

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

5. Activity Data

5.1. Construction Schedule

5.2. Off-Road Equipment

5.2.1. Unmitigated

5.3. Construction Vehicles

5.3.1. Unmitigated

5.4. Vehicles

5.4.1. Construction Vehicle Control Strategies

5.5. Architectural Coatings

5.6. Dust Mitigation

5.6.1. Construction Earthmoving Activities

5.6.2. Construction Earthmoving Control Strategies

5.7. Construction Paving

5.8. Construction Electricity Consumption and Emissions Factors

5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

5.18.2. Sequestration

5.18.2.1. Unmitigated

6. Climate Risk Detailed Report

6.1. Climate Risk Summary

6.2. Initial Climate Risk Scores

6.3. Adjusted Climate Risk Scores

6.4. Climate Risk Reduction Measures

7. Health and Equity Details

7.1. CalEnviroScreen 4.0 Scores

7.2. Healthy Places Index Scores

7.3. Overall Health & Equity Scores

7.4. Health & Equity Measures

7.5. Evaluation Scorecard

7.6. Health & Equity Custom Measures

8. User Changes to Default Data

1. Basic Project Information

1.1. Basic Project Information

Data Field	Value
Project Name	DTLA Row - Construction South Lot Building A
Construction Start Date	3/2/2027
Lead Agency	—
Land Use Scale	Project/site
Analysis Level for Defaults	County
Windspeed (m/s)	0.50
Precipitation (days)	18.4
Location	34.032905802980835, -118.23935798232272
County	Los Angeles-South Coast
City	Los Angeles
Air District	South Coast AQMD
Air Basin	South Coast
TAZ	4066
EDFZ	16
Electric Utility	Los Angeles Department of Water & Power
Gas Utility	Southern California Gas
App Version	2022.1.1.30

1.2. Land Use Types

Land Use Subtype	Size	Unit	Lot Acreage	Building Area (sq ft)	Landscape Area (sq ft)	Special Landscape Area (sq ft)	Population	Description
Apartments Mid Rise	410	Dwelling Unit	1.83	336,501	13,837	0.00	1,214	—

High Turnover (Sit Down Restaurant)	1.12	1000sqft	0.00	1,119	0.00	0.00	—	—
Recreational Swimming Pool	0.49	1000sqft	0.00	486	0.00	0.00	—	—
Enclosed Parking with Elevator	449	Space	4.04	179,600	0.00	0.00	—	—

1.3. User-Selected Emission Reduction Measures by Emissions Sector

No measures selected

2. Emissions Summary

2.1. Construction Emissions Compared Against Thresholds

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Un/Mit.	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Unmit.	15.2	38.1	50.8	0.19	0.80	18.6	19.3	0.75	2.97	3.72	27,164
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Unmit.	15.2	33.3	64.8	0.11	0.69	9.34	9.98	0.64	2.27	2.86	20,132
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—
Unmit.	7.06	17.9	26.5	0.07	0.40	4.51	4.91	0.38	0.90	1.28	9,891
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—
Unmit.	1.29	3.28	4.84	0.01	0.07	0.82	0.90	0.07	0.16	0.23	1,638

2.2. Construction Emissions by Year, Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Year	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e

Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
2027	3.58	38.1	50.8	0.19	0.80	18.6	19.3	0.75	2.97	3.72	27,164
2028	1.16	4.32	19.8	0.01	0.02	4.23	4.25	0.02	1.00	1.03	5,540
2029	15.2	15.4	38.3	0.04	0.40	5.79	6.20	0.37	1.38	1.75	10,304
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
2027	3.56	30.0	48.5	0.10	0.69	5.11	5.80	0.64	1.27	1.91	15,010
2028	4.55	33.3	64.8	0.11	0.64	9.34	9.98	0.59	2.27	2.86	20,132
2029	15.2	15.6	35.0	0.04	0.40	5.79	6.20	0.37	1.38	1.75	10,023
Average Daily	—	—	—	—	—	—	—	—	—	—	—
2027	1.78	17.9	26.5	0.07	0.40	4.51	4.91	0.38	0.90	1.28	9,891
2028	0.96	4.48	14.7	0.01	0.04	3.13	3.18	0.04	0.75	0.79	4,428
2029	7.06	6.01	13.6	0.02	0.16	2.13	2.28	0.14	0.51	0.65	3,811
Annual	—	—	—	—	—	—	—	—	—	—	—
2027	0.32	3.28	4.84	0.01	0.07	0.82	0.90	0.07	0.16	0.23	1,638
2028	0.17	0.82	2.68	< 0.005	0.01	0.57	0.58	0.01	0.14	0.14	733
2029	1.29	1.10	2.48	< 0.005	0.03	0.39	0.42	0.03	0.09	0.12	631

3. Construction Emissions Details

3.1. Demolition/Utility Relocation (2027) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.33	11.9	22.4	0.03	0.41	—	0.41	0.38	—	0.38	3,516

Demolition	—	—	—	—	—	0.00	0.00	—	0.00	0.00	—
Onsite truck	0.01	0.18	0.13	< 0.005	< 0.005	0.84	0.84	< 0.005	0.08	0.08	32.4
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.33	11.9	22.4	0.03	0.41	—	0.41	0.38	—	0.38	3,516
Demolition	—	—	—	—	—	0.00	0.00	—	0.00	0.00	—
Onsite truck	0.01	0.18	0.13	< 0.005	< 0.005	0.84	0.84	< 0.005	0.08	0.08	32.8
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.11	0.98	1.84	< 0.005	0.03	—	0.03	0.03	—	0.03	289
Demolition	—	—	—	—	—	0.00	0.00	—	0.00	0.00	—
Onsite truck	< 0.005	0.01	0.01	< 0.005	< 0.005	0.07	0.07	< 0.005	0.01	0.01	2.68
Annual	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.18	0.34	< 0.005	0.01	—	0.01	0.01	—	0.01	47.8
Demolition	—	—	—	—	—	0.00	0.00	—	0.00	0.00	—
Onsite truck	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	0.44
Offsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.14	0.14	2.40	0.00	0.00	0.52	0.52	0.00	0.12	0.12	539
Vendor	< 0.005	0.13	0.06	< 0.005	< 0.005	0.03	0.04	< 0.005	0.01	0.01	128
Hauling	0.02	1.91	0.73	0.01	0.02	0.46	0.49	0.02	0.13	0.15	1,744
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.14	0.17	2.04	0.00	0.00	0.52	0.52	0.00	0.12	0.12	510
Vendor	< 0.005	0.14	0.06	< 0.005	< 0.005	0.03	0.04	< 0.005	0.01	0.01	128
Hauling	0.02	1.99	0.74	0.01	0.02	0.46	0.49	0.02	0.13	0.15	1,742
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.18	0.00	0.00	0.04	0.04	0.00	0.01	0.01	42.6

Vendor	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	10.5
Hauling	< 0.005	0.17	0.06	< 0.005	< 0.005	0.04	0.04	< 0.005	0.01	0.01	143
Annual	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.03	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	7.05
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	1.74
Hauling	< 0.005	0.03	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	23.7

3.3. Grading/Shoring/Excavation (2027) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.62	13.0	28.4	0.04	0.53	—	0.53	0.49	—	0.49	4,626
Dust From Material Movement	—	—	—	—	—	< 0.005	< 0.005	—	< 0.005	< 0.005	—
Onsite truck	0.08	1.80	1.34	< 0.005	< 0.005	11.9	11.9	< 0.005	1.19	1.19	332
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.22	1.78	3.89	0.01	0.07	—	0.07	0.07	—	0.07	634
Dust From Material Movement	—	—	—	—	—	< 0.005	< 0.005	—	< 0.005	< 0.005	—
Onsite truck	0.01	0.25	0.19	< 0.005	< 0.005	1.55	1.55	< 0.005	0.15	0.15	45.7
Annual	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.04	0.32	0.71	< 0.005	0.01	—	0.01	0.01	—	0.01	105

Dust From Material Movement	—	—	—	—	—	< 0.005	< 0.005	—	< 0.005	< 0.005	—
Onsite truck	< 0.005	0.05	0.03	< 0.005	< 0.005	0.28	0.28	< 0.005	0.03	0.03	7.57
Offsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.28	0.28	4.81	0.00	0.00	1.05	1.05	0.00	0.25	0.25	1,079
Vendor	0.01	0.20	0.09	< 0.005	< 0.005	0.05	0.05	< 0.005	0.01	0.02	192
Hauling	0.29	22.9	8.77	0.14	0.26	5.56	5.83	0.26	1.52	1.79	20,934
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.05	0.59	0.00	0.00	0.14	0.14	0.00	0.03	0.03	142
Vendor	< 0.005	0.03	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	26.2
Hauling	0.04	3.31	1.21	0.02	0.04	0.76	0.79	0.04	0.21	0.24	2,865
Annual	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.11	0.00	0.00	0.03	0.03	0.00	0.01	0.01	23.5
Vendor	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	4.34
Hauling	0.01	0.60	0.22	< 0.005	0.01	0.14	0.14	0.01	0.04	0.04	474

3.5. Building Foundation (2027) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.47	22.0	32.1	0.06	0.64	—	0.64	0.59	—	0.59	5,319
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.47	22.0	32.1	0.06	0.64	—	0.64	0.59	—	0.59	5,319
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.93	8.33	12.1	0.02	0.24	—	0.24	0.22	—	0.22	2,009
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.17	1.52	2.21	< 0.005	0.04	—	0.04	0.04	—	0.04	333
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.92	0.90	15.6	0.00	0.00	3.40	3.40	0.00	0.80	0.80	3,506
Vendor	0.19	6.58	3.13	0.04	0.04	1.71	1.76	0.04	0.47	0.52	6,389
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.91	1.12	13.2	0.00	0.00	3.40	3.40	0.00	0.80	0.80	3,314
Vendor	0.18	6.85	3.21	0.04	0.04	1.71	1.76	0.04	0.47	0.52	6,377
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Worker	0.34	0.42	5.25	0.00	0.00	1.27	1.27	0.00	0.30	0.30	1,272
Vendor	0.07	2.60	1.20	0.02	0.02	0.64	0.66	0.02	0.18	0.19	2,410
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.08	0.96	0.00	0.00	0.23	0.23	0.00	0.05	0.05	211
Vendor	0.01	0.47	0.22	< 0.005	< 0.005	0.12	0.12	< 0.005	0.03	0.04	399

Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.7. Building Foundation (2028) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.37	21.2	32.0	0.06	0.57	—	0.57	0.52	—	0.52	5,319
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.11	1.00	1.50	< 0.005	0.03	—	0.03	0.02	—	0.02	250
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.18	0.27	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	41.4
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.88	1.01	12.5	0.00	0.00	3.40	3.40	0.00	0.80	0.80	3,255
Vendor	0.13	6.55	3.05	0.04	0.04	1.71	1.76	0.04	0.47	0.52	6,233
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.05	0.61	0.00	0.00	0.16	0.16	0.00	0.04	0.04	155

Vendor	0.01	0.31	0.14	< 0.005	< 0.005	0.08	0.08	< 0.005	0.02	0.02	293
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.11	0.00	0.00	0.03	0.03	0.00	0.01	0.01	25.7
Vendor	< 0.005	0.06	0.03	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	48.5
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.9. Building Construction (2028) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.11	2.17	2.32	< 0.005	0.02	—	0.02	0.01	—	0.01	444
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.11	2.17	2.32	< 0.005	0.02	—	0.02	0.01	—	0.01	444
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.08	1.50	1.61	< 0.005	0.01	—	0.01	0.01	—	0.01	308
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.27	0.29	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	51.0
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	1.03	1.02	16.9	0.00	0.00	3.92	3.92	0.00	0.92	0.92	3,970
Vendor	0.03	1.13	0.55	0.01	0.01	0.31	0.32	0.01	0.09	0.09	1,124
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	1.02	1.16	14.4	0.00	0.00	3.92	3.92	0.00	0.92	0.92	3,756
Vendor	0.02	1.18	0.55	0.01	0.01	0.31	0.32	0.01	0.09	0.09	1,122
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Worker	0.70	0.80	10.4	0.00	0.00	2.68	2.68	0.00	0.63	0.63	2,643
Vendor	0.02	0.82	0.38	0.01	0.01	0.21	0.22	0.01	0.06	0.06	778
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—
Worker	0.13	0.15	1.90	0.00	0.00	0.49	0.49	0.00	0.11	0.11	438
Vendor	< 0.005	0.15	0.07	< 0.005	< 0.005	0.04	0.04	< 0.005	0.01	0.01	129
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.11. Building Construction (2029) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.11	2.16	2.32	< 0.005	0.01	—	0.01	0.01	—	0.01	444
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	0.11	2.16	2.32	< 0.005	0.01	—	0.01	0.01	—	0.01	444
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.04	0.79	0.84	< 0.005	0.01	—	0.01	< 0.005	—	< 0.005	162
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.14	0.15	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	26.8
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.99	0.89	15.8	0.00	0.00	3.92	3.92	0.00	0.92	0.92	3,902
Vendor	0.02	1.08	0.52	0.01	0.01	0.31	0.32	0.01	0.09	0.09	1,095
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.97	1.03	13.4	0.00	0.00	3.92	3.92	0.00	0.92	0.92	3,693
Vendor	0.02	1.12	0.53	0.01	0.01	0.31	0.32	0.01	0.09	0.09	1,094
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Worker	0.35	0.37	5.12	0.00	0.00	1.41	1.41	0.00	0.33	0.33	1,365
Vendor	0.01	0.41	0.19	< 0.005	< 0.005	0.11	0.11	< 0.005	0.03	0.03	398
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.07	0.93	0.00	0.00	0.26	0.26	0.00	0.06	0.06	226
Vendor	< 0.005	0.08	0.03	< 0.005	< 0.005	0.02	0.02	< 0.005	0.01	0.01	65.9
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.13. Paving (2029) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.16	10.0	13.9	0.03	0.37	—	0.37	0.34	—	0.34	2,649
Paving	0.07	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.16	10.0	13.9	0.03	0.37	—	0.37	0.34	—	0.34	2,649
Paving	0.07	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.46	3.93	5.44	0.01	0.15	—	0.15	0.13	—	0.13	1,038
Paving	0.03	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.08	0.72	0.99	< 0.005	0.03	—	0.03	0.02	—	0.02	172
Paving	0.01	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.33	0.30	5.27	0.00	0.00	1.31	1.31	0.00	0.31	0.31	1,301

Vendor	0.02	0.90	0.43	0.01	0.01	0.26	0.26	0.01	0.07	0.08	913
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.32	0.34	4.46	0.00	0.00	1.31	1.31	0.00	0.31	0.31	1,231
Vendor	0.02	0.94	0.44	0.01	0.01	0.26	0.26	0.01	0.07	0.08	911
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Worker	0.13	0.13	1.84	0.00	0.00	0.51	0.51	0.00	0.12	0.12	490
Vendor	0.01	0.37	0.17	< 0.005	< 0.005	0.10	0.10	< 0.005	0.03	0.03	357
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.33	0.00	0.00	0.09	0.09	0.00	0.02	0.02	81.1
Vendor	< 0.005	0.07	0.03	< 0.005	< 0.005	0.02	0.02	< 0.005	0.01	0.01	59.1
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.15. Architectural Coating (2029) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	12.5	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	12.5	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Average Daily	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	6.04	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	1.10	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

4. Operations Emissions Details

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Vegetation	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—

4.10.2. Above and Belowground Carbon Accumulation by Land Use Type - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Species	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—

5. Activity Data

5.1. Construction Schedule

Phase Name	Phase Type	Start Date	End Date	Days Per Week	Work Days per Phase	Phase Description
Demolition/Utility Relocation	Demolition	3/2/2027	4/12/2027	5.00	30.0	—
Grading/Shoring/Excavation	Grading	4/13/2027	6/21/2027	5.00	50.0	—
Building Foundation	Building Construction	6/22/2027	1/24/2028	5.00	155	—
Building Construction	Building Construction	1/13/2028	7/5/2029	5.00	386	—
Paving	Paving	2/15/2029	9/3/2029	5.00	143	—
Architectural Coating	Architectural Coating	1/1/2029	9/3/2029	5.00	176	—

5.2. Off-Road Equipment

5.2.1. Unmitigated

Phase Name	Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
Demolition/Utility Relocation	Air Compressors	Diesel	Average	2.00	8.00	37.0	0.48
Demolition/Utility Relocation	Excavators	Diesel	Average	2.00	8.00	158	0.38
Demolition/Utility Relocation	Generator Sets	Diesel	Average	1.00	8.00	14.0	0.74
Demolition/Utility Relocation	Other Construction Equipment	Diesel	Average	1.00	8.00	82.0	0.42
Demolition/Utility Relocation	Skid Steer Loaders	Diesel	Average	3.00	8.00	71.0	0.37
Demolition/Utility Relocation	Tractors/Loaders/Backhoes	Diesel	Average	3.00	8.00	84.0	0.37
Grading/Shoring/Excavation	Bore/Drill Rigs	Diesel	Average	2.00	8.00	83.0	0.50
Grading/Shoring/Excavation	Excavators	Diesel	Average	3.00	8.00	158	0.38

Grading/Shoring/Exca	Other Construction Equipment	Diesel	Average	1.00	8.00	82.0	0.42
Grading/Shoring/Excavation	Plate Compactors	Diesel	Average	2.00	8.00	8.00	0.43
Grading/Shoring/Excavation	Rollers	Diesel	Average	2.00	8.00	36.0	0.38
Grading/Shoring/Excavation	Rubber Tired Loaders	Diesel	Average	2.00	8.00	150	0.36
Grading/Shoring/Excavation	Skid Steer Loaders	Diesel	Average	2.00	8.00	71.0	0.37
Building Foundation	Air Compressors	Diesel	Average	2.00	8.00	37.0	0.48
Building Foundation	Cement and Mortar Mixers	Diesel	Average	1.00	8.00	10.0	0.56
Building Foundation	Concrete/Industrial Saws	Diesel	Average	3.00	8.00	33.0	0.73
Building Foundation	Cranes	Diesel	Average	1.00	8.00	367	0.29
Building Foundation	Cranes	Electric	Average	1.00	8.00	367	0.29
Building Foundation	Excavators	Diesel	Average	1.00	8.00	158	0.38
Building Foundation	Forklifts	Diesel	Average	2.00	8.00	82.0	0.20
Building Foundation	Pumps	Diesel	Average	2.00	8.00	11.0	0.74
Building Foundation	Plate Compactors	Diesel	Average	2.00	8.00	8.00	0.43
Building Foundation	Rough Terrain Forklifts	Diesel	Average	3.00	8.00	96.0	0.40
Building Foundation	Tractors/Loaders/Backhoes	Diesel	Average	2.00	8.00	84.0	0.37
Building Foundation	Welders	Diesel	Average	2.00	8.00	46.0	0.45
Building Construction	Aerial Lifts	Diesel	Average	3.00	8.00	46.0	0.31
Building Construction	Cranes	Electric	Average	1.00	8.00	367	0.29
Paving	Cranes	Diesel	Average	1.00	8.00	367	0.29
Paving	Other Construction Equipment	Diesel	Average	1.00	8.00	82.0	0.42
Paving	Paving Equipment	Diesel	Average	1.00	8.00	89.0	0.36
Paving	Plate Compactors	Diesel	Average	2.00	8.00	8.00	0.43

Paving	Rollers	Diesel	Average	2.00	8.00	36.0	0.38
Paving	Signal Boards	Diesel	Average	2.00	8.00	6.00	0.82
Paving	Tractors/Loaders/Backhoes	Diesel	Average	2.00	8.00	84.0	0.37

5.3. Construction Vehicles

5.3.1. Unmitigated

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix
Demolition/Utility Relocation	—	—	—	—
Demolition/Utility Relocation	Worker	40.0	18.5	LDA,LDT1,LDT2
Demolition/Utility Relocation	Vendor	4.00	10.2	HHDT,MHDT
Demolition/Utility Relocation	Hauling	20.0	25.0	HHDT
Demolition/Utility Relocation	Onsite truck	12.0	0.28	HHDT
Grading/Shoring/Excavation	—	—	—	—
Grading/Shoring/Excavation	Worker	80.0	18.5	LDA,LDT1,LDT2
Grading/Shoring/Excavation	Vendor	6.00	10.2	HHDT,MHDT
Grading/Shoring/Excavation	Hauling	240	25.0	HHDT
Grading/Shoring/Excavation	Onsite truck	123	0.28	HHDT
Building Foundation	—	—	—	—
Building Foundation	Worker	260	18.5	LDA,LDT1,LDT2
Building Foundation	Vendor	200	10.2	HHDT,MHDT
Building Foundation	Hauling	0.00	20.0	HHDT
Building Foundation	Onsite truck	0.00	0.00	HHDT
Paving	—	—	—	—
Paving	Worker	100	18.5	LDA,LDT1,LDT2
Paving	Vendor	30.0	10.2	HHDT,MHDT
Paving	Hauling	0.00	20.0	HHDT
Paving	Onsite truck	0.00	0.00	HHDT

Architectural Coating	—	—	—	—
Architectural Coating	Worker	0.00	18.5	LDA,LDT1,LDT2
Architectural Coating	Vendor	0.00	10.2	HHDT,MHDT
Architectural Coating	Hauling	0.00	20.0	HHDT
Architectural Coating	Onsite truck	0.00	0.00	HHDT
Building Construction	—	—	—	—
Building Construction	Worker	300	18.5	LDA,LDT1,LDT2
Building Construction	Vendor	36.0	10.2	HHDT,MHDT
Building Construction	Hauling	0.00	20.0	HHDT
Building Construction	Onsite truck	0.00	0.00	HHDT

5.4. Vehicles

5.4.1. Construction Vehicle Control Strategies

Control Strategies Applied	PM10 Reduction	PM2.5 Reduction
Water unpaved roads twice daily	55%	55%
Limit vehicle speeds on unpaved roads to 25 mph	44%	44%

5.5. Architectural Coatings

Phase Name	Residential Interior Area Coated (sq ft)	Residential Exterior Area Coated (sq ft)	Non-Residential Interior Area Coated (sq ft)	Non-Residential Exterior Area Coated (sq ft)	Parking Area Coated (sq ft)
Architectural Coating	681,415	227,138	9,600	1,440	10,562

5.6. Dust Mitigation

5.6.1. Construction Earthmoving Activities

Phase Name	Material Imported (Cubic Yards)	Material Exported (Cubic Yards)	Acres Graded (acres)	Material Demolished (Building Square Footage)	Acres Paved (acres)

Demolition/Utility Relocation	0.00	0.00	0.00	0.00	—
Grading/Shoring/Excavation	0.00	73,440	0.00	0.00	—
Paving	0.00	0.00	0.00	0.00	4.04

5.6.2. Construction Earthmoving Control Strategies

Control Strategies Applied	Frequency (per day)	PM10 Reduction	PM2.5 Reduction
Water Exposed Area	3	74%	74%
Water Demolished Area	2	36%	36%

5.7. Construction Paving

Land Use	Area Paved (acres)	% Asphalt
Apartments Mid Rise	—	0%
High Turnover (Sit Down Restaurant)	0.00	0%
Recreational Swimming Pool	0.00	0%
Enclosed Parking with Elevator	4.04	100%

5.8. Construction Electricity Consumption and Emissions Factors

kWh per Year and Emission Factor (lb/MWh)

Year	kWh per Year	CO2	CH4	N2O
2027	635	406	0.05	0.01
2028	1,270	386	0.05	0.01
2029	635	365	0.05	0.01

5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres

5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

Biomass Cover Type	Initial Acres	Final Acres

5.18.2. Sequestration

5.18.2.1. Unmitigated

Tree Type	Number	Electricity Saved (kWh/year)	Natural Gas Saved (btu/year)

6. Climate Risk Detailed Report

6.1. Climate Risk Summary

Cal-Adapt midcentury 2040–2059 average projections for four hazards are reported below for your project location. These are under Representation Concentration Pathway (RCP) 8.5 which assumes GHG emissions will continue to rise strongly through 2050 and then plateau around 2100.

Climate Hazard	Result for Project Location	Unit
Temperature and Extreme Heat	9.52	annual days of extreme heat
Extreme Precipitation	6.15	annual days with precipitation above 20 mm
Sea Level Rise	—	meters of inundation depth
Wildfire	0.00	annual hectares burned

Temperature and Extreme Heat data are for grid cell in which your project are located. The projection is based on the 98th historical percentile of daily maximum/minimum temperatures from observed historical data (32 climate model ensemble from Cal-Adapt, 2040–2059 average under RCP 8.5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.
Extreme Precipitation data are for the grid cell in which your project are located. The threshold of 20 mm is equivalent to about ¾ an inch of rain, which would be light to moderate rainfall if received over a full day or heavy rain if received over a period of 2 to 4 hours. Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.
Sea Level Rise data are for the grid cell in which your project are located. The projections are from Radke et al. (2017), as reported in Cal-Adapt (Radke et al., 2017, CEC-500-2017-008), and consider inundation location and depth for the San Francisco Bay, the Sacramento-San Joaquin River Delta and California coast resulting different increments of sea level rise coupled with extreme storm events. Users may select from four scenarios to view the range in potential inundation depth for the grid cell. The four scenarios are: No rise, 0.5 meter, 1.0 meter, 1.41 meters

Wildfire data are for the grid cell in which your project are located. The projections are from UC Davis, as reported in Cal-Adapt (2040–2059 average under RCP 8.5), and consider historical data of climate, vegetation, population density, and large (> 400 ha) fire history. Users may select from four model simulations to view the range in potential wildfire probabilities for the grid cell. The four simulations make different assumptions about expected rainfall and temperature are: Warmer/drier (HadGEM2-ES), Cooler/wetter (CNRM-CM5), Average conditions (CanESM2), Range of different rainfall and temperature possibilities (MIROC5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.

6.2. Initial Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	N/A	N/A	N/A	N/A
Extreme Precipitation	N/A	N/A	N/A	N/A
Sea Level Rise	N/A	N/A	N/A	N/A
Wildfire	N/A	N/A	N/A	N/A
Flooding	N/A	N/A	N/A	N/A
Drought	N/A	N/A	N/A	N/A
Snowpack Reduction	N/A	N/A	N/A	N/A
Air Quality Degradation	N/A	N/A	N/A	N/A

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.
The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.
The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores do not include implementation of climate risk reduction measures.

6.3. Adjusted Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	N/A	N/A	N/A	N/A
Extreme Precipitation	N/A	N/A	N/A	N/A
Sea Level Rise	N/A	N/A	N/A	N/A
Wildfire	N/A	N/A	N/A	N/A
Flooding	N/A	N/A	N/A	N/A
Drought	N/A	N/A	N/A	N/A
Snowpack Reduction	N/A	N/A	N/A	N/A
Air Quality Degradation	N/A	N/A	N/A	N/A

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.
The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.
The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores include implementation of climate risk reduction measures.

6.4. Climate Risk Reduction Measures

7. Health and Equity Details

7.1. CalEnviroScreen 4.0 Scores

The maximum CalEnviroScreen score is 100. A high score (i.e., greater than 50) reflects a higher pollution burden compared to other census tracts in the state.

Indicator	Result for Project Census Tract
Exposure Indicators	—
AQ-Ozone	50.5
AQ-PM	89.2
AQ-DPM	95.5
Drinking Water	92.5
Lead Risk Housing	71.6
Pesticides	0.00
Toxic Releases	82.2
Traffic	85.9
Effect Indicators	—
CleanUp Sites	97.2
Groundwater	78.1
Haz Waste Facilities/Generators	98.8
Impaired Water Bodies	66.7
Solid Waste	96.0
Sensitive Population	—
Asthma	97.7

Cardio-vascular	65.1
Low Birth Weights	71.6
Socioeconomic Factor Indicators	—
Education	74.4
Housing	68.5
Linguistic	91.8
Poverty	75.4
Unemployment	79.7

7.2. Healthy Places Index Scores

The maximum Health Places Index score is 100. A high score (i.e., greater than 50) reflects healthier community conditions compared to other census tracts in the state.

Indicator	Result for Project Census Tract
Economic	—
Above Poverty	10.5350956
Employed	49.30065443
Median HI	4.273065572
Education	—
Bachelor's or higher	63.26190171
High school enrollment	100
Preschool enrollment	95.7141024
Transportation	—
Auto Access	1.180546644
Active commuting	97.42076222
Social	—
2-parent households	4.119081227
Voting	13.0373412
Neighborhood	—
Alcohol availability	9.5983575

Park access	81.35506224
Retail density	43.6160657
Supermarket access	82.8564096
Tree canopy	14.50019248
Housing	—
Homeownership	6.723983062
Housing habitability	0.166816374
Low-inc homeowner severe housing cost burden	1.475683306
Low-inc renter severe housing cost burden	66.38008469
Uncrowded housing	6.300526113
Health Outcomes	—
Insured adults	5.902733222
Arthritis	53.0
Asthma ER Admissions	1.4
High Blood Pressure	12.0
Cancer (excluding skin)	82.6
Asthma	21.6
Coronary Heart Disease	15.5
Chronic Obstructive Pulmonary Disease	14.4
Diagnosed Diabetes	11.3
Life Expectancy at Birth	5.1
Cognitively Disabled	13.7
Physically Disabled	6.4
Heart Attack ER Admissions	46.0
Mental Health Not Good	14.9
Chronic Kidney Disease	20.1
Obesity	9.6
Pedestrian Injuries	100.0

Physical Health Not Good	12.4
Stroke	13.0
Health Risk Behaviors	—
Binge Drinking	60.3
Current Smoker	7.4
No Leisure Time for Physical Activity	24.7
Climate Change Exposures	—
Wildfire Risk	0.0
SLR Inundation Area	0.0
Children	76.4
Elderly	97.3
English Speaking	7.7
Foreign-born	75.6
Outdoor Workers	46.0
Climate Change Adaptive Capacity	—
Impervious Surface Cover	0.0
Traffic Density	90.2
Traffic Access	87.4
Other Indices	—
Hardship	82.8
Other Decision Support	—
2016 Voting	5.0

7.3. Overall Health & Equity Scores

Metric	Result for Project Census Tract
CalEnviroScreen 4.0 Score for Project Location (a)	100
Healthy Places Index Score for Project Location (b)	14.0
Project Located in a Designated Disadvantaged Community (Senate Bill 535)	Yes

Project Located in a Low-Income Community (Assembly Bill 1550)	Yes
Project Located in a Community Air Protection Program Community (Assembly Bill 617)	No

a: The maximum CalEnviroScreen score is 100. A high score (i.e., greater than 50) reflects a higher pollution burden compared to other census tracts in the state.
b: The maximum Health Places Index score is 100. A high score (i.e., greater than 50) reflects healthier community conditions compared to other census tracts in the state.

7.4. Health & Equity Measures

No Health & Equity Measures selected.

7.5. Evaluation Scorecard

Health & Equity Evaluation Scorecard not completed.

7.6. Health & Equity Custom Measures

No Health & Equity Custom Measures created.

8. User Changes to Default Data

Screen	Justification
Construction: Construction Phases	see construction assumptions
Construction: Off-Road Equipment	see construction assumptions
Construction: Trips and VMT	see construction assumptions
Construction: On-Road Fugitive Dust	see construction assumptions
Construction: Electricity	Carbon intensity for construction years
Land Use	Project Specific

DTLA Row - Construction South Lot Building B Detailed Report

Table of Contents

1. Basic Project Information

1.1. Basic Project Information

1.2. Land Use Types

1.3. User-Selected Emission Reduction Measures by Emissions Sector

2. Emissions Summary

2.1. Construction Emissions Compared Against Thresholds

2.2. Construction Emissions by Year, Unmitigated

3. Construction Emissions Details

3.1. Demolition/Utility Relocation (2026) - Unmitigated

3.3. Grading/Shoring/Excavation (2026) - Unmitigated

3.5. Building Foundation (2026) - Unmitigated

3.7. Building Foundation (2027) - Unmitigated

3.9. Building Construction (2027) - Unmitigated

3.11. Building Construction (2028) - Unmitigated

3.13. Paving (2028) - Unmitigated

3.15. Architectural Coating (2028) - Unmitigated

4. Operations Emissions Details

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

4.10.2. Above and Belowground Carbon Accumulation by Land Use Type - Unmitigated

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

5. Activity Data

5.1. Construction Schedule

5.2. Off-Road Equipment

5.2.1. Unmitigated

5.3. Construction Vehicles

5.3.1. Unmitigated

5.4. Vehicles

5.4.1. Construction Vehicle Control Strategies

5.5. Architectural Coatings

5.6. Dust Mitigation

5.6.1. Construction Earthmoving Activities

5.6.2. Construction Earthmoving Control Strategies

5.7. Construction Paving

5.8. Construction Electricity Consumption and Emissions Factors

5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

5.18.2. Sequestration

5.18.2.1. Unmitigated

6. Climate Risk Detailed Report

6.1. Climate Risk Summary

6.2. Initial Climate Risk Scores

6.3. Adjusted Climate Risk Scores

6.4. Climate Risk Reduction Measures

7. Health and Equity Details

7.1. CalEnviroScreen 4.0 Scores

7.2. Healthy Places Index Scores

7.3. Overall Health & Equity Scores

7.4. Health & Equity Measures

7.5. Evaluation Scorecard

7.6. Health & Equity Custom Measures

8. User Changes to Default Data

1. Basic Project Information

1.1. Basic Project Information

Data Field	Value
Project Name	DTLA Row - Construction South Lot Building B
Construction Start Date	6/2/2026
Lead Agency	—
Land Use Scale	Project/site
Analysis Level for Defaults	County
Windspeed (m/s)	0.50
Precipitation (days)	18.4
Location	34.032905802980835, -118.23935798232272
County	Los Angeles-South Coast
City	Los Angeles
Air District	South Coast AQMD
Air Basin	South Coast
TAZ	4066
EDFZ	16
Electric Utility	Los Angeles Department of Water & Power
Gas Utility	Southern California Gas
App Version	2022.1.1.30

1.2. Land Use Types

Land Use Subtype	Size	Unit	Lot Acreage	Building Area (sq ft)	Landscape Area (sq ft)	Special Landscape Area (sq ft)	Population	Description
Apartments Mid Rise	214	Dwelling Unit	1.01	182,605	6,957	0.00	633	—

Recreational Swimming Pool	0.40	1000sqft	0.00	397	0.00	0.00	—	—
Enclosed Parking with Elevator	204	Space	1.84	81,600	0.00	0.00	—	—

1.3. User-Selected Emission Reduction Measures by Emissions Sector

No measures selected

2. Emissions Summary

2.1. Construction Emissions Compared Against Thresholds

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Un/Mit.	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Unmit.	10.0	46.4	55.6	0.21	1.02	20.3	21.3	0.96	3.27	4.23	30,427
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Unmit.	9.99	27.8	51.8	0.09	0.67	7.17	7.76	0.59	1.75	2.30	16,240
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—
Unmit.	4.05	11.1	15.4	0.04	0.26	3.20	3.47	0.24	0.63	0.83	6,237
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—
Unmit.	0.74	2.03	2.81	0.01	0.05	0.58	0.63	0.04	0.12	0.15	1,033

2.2. Construction Emissions by Year, Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Year	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—

2026	2.95	46.4	50.3	0.21	1.02	20.3	21.3	0.96	3.27	4.23	30,427
2027	3.80	27.2	55.6	0.09	0.59	7.17	7.76	0.55	1.75	2.30	16,563
2028	10.0	14.1	33.5	0.04	0.39	4.75	5.14	0.36	1.14	1.50	9,098
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
2026	2.94	25.1	38.5	0.08	0.67	3.72	4.40	0.59	0.93	1.52	11,890
2027	3.76	27.8	51.8	0.09	0.59	7.17	7.76	0.55	1.75	2.30	16,240
2028	9.99	14.4	30.8	0.04	0.39	4.75	5.14	0.36	1.14	1.50	8,867
Average Daily	—	—	—	—	—	—	—	—	—	—	—
2026	0.95	11.1	14.1	0.04	0.26	3.20	3.47	0.24	0.59	0.83	6,237
2027	1.05	6.49	15.4	0.02	0.11	2.62	2.74	0.11	0.63	0.74	4,740
2028	4.05	5.20	10.9	0.02	0.15	1.52	1.67	0.14	0.36	0.50	3,055
Annual	—	—	—	—	—	—	—	—	—	—	—
2026	0.17	2.03	2.57	0.01	0.05	0.58	0.63	0.04	0.11	0.15	1,033
2027	0.19	1.18	2.81	< 0.005	0.02	0.48	0.50	0.02	0.12	0.13	785
2028	0.74	0.95	1.99	< 0.005	0.03	0.28	0.30	0.02	0.07	0.09	506

3. Construction Emissions Details

3.1. Demolition/Utility Relocation (2026) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.97	8.51	13.8	0.02	0.32	—	0.32	0.30	—	0.30	2,127
Demolition	—	—	—	—	—	0.00	0.00	—	0.00	0.00	—
Onsite truck	0.01	0.18	0.13	< 0.005	< 0.005	0.84	0.84	< 0.005	0.08	0.08	33.0

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.11	0.96	1.55	< 0.005	0.04	—	0.04	0.03	—	0.03	239
Demolition	—	—	—	—	—	0.00	0.00	—	0.00	0.00	—
Onsite truck	< 0.005	0.02	0.01	< 0.005	< 0.005	0.09	0.09	< 0.005	0.01	0.01	3.72
Annual	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.17	0.28	< 0.005	0.01	—	0.01	0.01	—	0.01	39.6
Demolition	—	—	—	—	—	0.00	0.00	—	0.00	0.00	—
Onsite truck	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	< 0.005	0.62
Offsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.15	0.16	2.58	0.00	0.00	0.52	0.52	0.00	0.12	0.12	550
Vendor	< 0.005	0.14	0.07	< 0.005	< 0.005	0.03	0.04	< 0.005	0.01	0.01	130
Hauling	0.02	1.98	0.75	0.01	0.02	0.46	0.49	0.02	0.13	0.15	1,779
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.26	0.00	0.00	0.06	0.06	0.00	0.01	0.01	59.4
Vendor	< 0.005	0.02	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	14.6
Hauling	< 0.005	0.23	0.08	< 0.005	< 0.005	0.05	0.05	< 0.005	0.01	0.02	200
Annual	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.05	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	9.83
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	2.42
Hauling	< 0.005	0.04	0.02	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	33.0

3.3. Grading/Shoring/Excavation (2026) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.10	9.38	18.6	0.03	0.40	—	0.40	0.37	—	0.37	3,035
Dust From Material Movement	—	—	—	—	—	< 0.005	< 0.005	—	< 0.005	< 0.005	—
Onsite truck	0.08	1.84	1.35	< 0.005	< 0.005	12.0	12.0	< 0.005	1.20	1.20	341
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.14	1.18	2.34	< 0.005	0.05	—	0.05	0.05	—	0.05	382
Dust From Material Movement	—	—	—	—	—	< 0.005	< 0.005	—	< 0.005	< 0.005	—
Onsite truck	0.01	0.24	0.17	< 0.005	< 0.005	1.43	1.43	< 0.005	0.14	0.14	43.2
Annual	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.03	0.22	0.43	< 0.005	0.01	—	0.01	0.01	—	0.01	63.3
Dust From Material Movement	—	—	—	—	—	< 0.005	< 0.005	—	< 0.005	< 0.005	—
Onsite truck	< 0.005	0.04	0.03	< 0.005	< 0.005	0.26	0.26	< 0.005	0.03	0.03	7.15
Offsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.22	0.23	3.88	0.00	0.00	0.78	0.78	0.00	0.18	0.18	825
Vendor	0.01	0.27	0.13	< 0.005	< 0.005	0.07	0.07	< 0.005	0.02	0.02	261
Hauling	0.29	23.7	9.03	0.14	0.26	5.56	5.83	0.26	1.52	1.79	21,346

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Worker	0.03	0.04	0.44	0.00	0.00	0.10	0.10	0.00	0.02	0.02	99.9
Vendor	< 0.005	0.04	0.02	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	32.8
Hauling	0.04	3.15	1.14	0.02	0.03	0.69	0.73	0.03	0.19	0.22	2,687
Annual	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.08	0.00	0.00	0.02	0.02	0.00	< 0.005	< 0.005	16.5
Vendor	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	5.44
Hauling	0.01	0.57	0.21	< 0.005	0.01	0.13	0.13	0.01	0.03	0.04	445

3.5. Building Foundation (2026) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.14	18.6	25.8	0.05	0.60	—	0.60	0.55	—	0.55	4,342
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.14	18.6	25.8	0.05	0.60	—	0.60	0.55	—	0.55	4,342
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.44	3.85	5.35	0.01	0.12	—	0.12	0.11	—	0.11	901
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	0.08	0.70	0.98	< 0.005	0.02	—	0.02	0.02	—	0.02	149
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.66	0.70	11.6	0.00	0.00	2.35	2.35	0.00	0.55	0.55	2,475
Vendor	0.15	5.50	2.66	0.04	0.07	1.37	1.44	0.04	0.38	0.41	5,219
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.66	0.78	9.92	0.00	0.00	2.35	2.35	0.00	0.55	0.55	2,340
Vendor	0.14	5.75	2.72	0.04	0.07	1.37	1.44	0.04	0.38	0.41	5,209
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Worker	0.14	0.18	2.15	0.00	0.00	0.48	0.48	0.00	0.11	0.11	493
Vendor	0.03	1.20	0.56	0.01	0.01	0.28	0.30	0.01	0.08	0.09	1,081
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.03	0.39	0.00	0.00	0.09	0.09	0.00	0.02	0.02	81.7
Vendor	0.01	0.22	0.10	< 0.005	< 0.005	0.05	0.05	< 0.005	0.01	0.02	179
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.7. Building Foundation (2027) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	2.05	17.9	25.7	0.05	0.54	—	0.54	0.49	—	0.49	4,341
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.05	17.9	25.7	0.05	0.54	—	0.54	0.49	—	0.49	4,341
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.37	3.22	4.63	0.01	0.10	—	0.10	0.09	—	0.09	782
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.07	0.59	0.85	< 0.005	0.02	—	0.02	0.02	—	0.02	129
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.64	0.62	10.8	0.00	0.00	2.35	2.35	0.00	0.55	0.55	2,427
Vendor	0.15	5.27	2.51	0.04	0.04	1.37	1.40	0.04	0.38	0.41	5,111
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.63	0.78	9.16	0.00	0.00	2.35	2.35	0.00	0.55	0.55	2,294
Vendor	0.14	5.48	2.57	0.04	0.04	1.37	1.40	0.04	0.38	0.41	5,101
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Worker	0.11	0.14	1.73	0.00	0.00	0.42	0.42	0.00	0.10	0.10	420
Vendor	0.03	0.99	0.46	0.01	0.01	0.24	0.25	0.01	0.07	0.07	919
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Annual	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.03	0.32	0.00	0.00	0.08	0.08	0.00	0.02	0.02	69.5
Vendor	< 0.005	0.18	0.08	< 0.005	< 0.005	0.04	0.05	< 0.005	0.01	0.01	152
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.9. Building Construction (2027) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.08	1.44	1.54	< 0.005	0.01	—	0.01	0.01	—	0.01	296
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.08	1.44	1.54	< 0.005	0.01	—	0.01	0.01	—	0.01	296
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.04	0.83	0.89	< 0.005	0.01	—	0.01	0.01	—	0.01	170
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.15	0.16	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	28.2
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.85	0.83	14.4	0.00	0.00	3.14	3.14	0.00	0.74	0.74	3,237

Vendor	0.03	1.18	0.56	0.01	0.01	0.31	0.32	0.01	0.09	0.09	1,150
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.84	1.03	12.2	0.00	0.00	3.14	3.14	0.00	0.74	0.74	3,059
Vendor	0.03	1.23	0.58	0.01	0.01	0.31	0.32	0.01	0.09	0.09	1,148
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Worker	0.48	0.60	7.39	0.00	0.00	1.78	1.78	0.00	0.42	0.42	1,788
Vendor	0.02	0.71	0.33	< 0.005	< 0.005	0.18	0.18	< 0.005	0.05	0.05	661
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—
Worker	0.09	0.11	1.35	0.00	0.00	0.33	0.33	0.00	0.08	0.08	296
Vendor	< 0.005	0.13	0.06	< 0.005	< 0.005	0.03	0.03	< 0.005	0.01	0.01	109
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.11. Building Construction (2028) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.08	1.44	1.55	< 0.005	0.01	—	0.01	0.01	—	0.01	296
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.08	1.44	1.55	< 0.005	0.01	—	0.01	0.01	—	0.01	296
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Average Daily	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.44	0.47	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	89.9
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	0.08	0.09	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	14.9
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.82	0.82	13.5	0.00	0.00	3.14	3.14	0.00	0.74	0.74	3,176
Vendor	0.03	1.13	0.55	0.01	0.01	0.31	0.32	0.01	0.09	0.09	1,124
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.81	0.93	11.5	0.00	0.00	3.14	3.14	0.00	0.74	0.74	3,005
Vendor	0.02	1.18	0.55	0.01	0.01	0.31	0.32	0.01	0.09	0.09	1,122
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Worker	0.25	0.28	3.65	0.00	0.00	0.94	0.94	0.00	0.22	0.22	926
Vendor	0.01	0.36	0.16	< 0.005	< 0.005	0.09	0.09	< 0.005	0.03	0.03	341
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.05	0.67	0.00	0.00	0.17	0.17	0.00	0.04	0.04	153
Vendor	< 0.005	0.07	0.03	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	0.01	56.4
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.13. Paving (2028) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.06	9.53	12.9	0.02	0.36	—	0.36	0.33	—	0.33	2,507
Paving	0.03	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.06	9.53	12.9	0.02	0.36	—	0.36	0.33	—	0.33	2,507
Paving	0.03	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.41	3.63	4.92	0.01	0.14	—	0.14	0.13	—	0.13	955
Paving	0.01	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.07	0.66	0.90	< 0.005	0.03	—	0.03	0.02	—	0.02	158
Paving	< 0.005	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.27	0.27	4.51	0.00	0.00	1.05	1.05	0.00	0.25	0.25	1,059
Vendor	0.02	0.94	0.45	0.01	0.01	0.26	0.26	0.01	0.07	0.08	936
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.27	0.31	3.84	0.00	0.00	1.05	1.05	0.00	0.25	0.25	1,002
Vendor	0.02	0.98	0.46	0.01	0.01	0.26	0.26	0.01	0.07	0.08	935
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Worker	0.10	0.12	1.53	0.00	0.00	0.39	0.39	0.00	0.09	0.09	387
Vendor	0.01	0.38	0.17	< 0.005	< 0.005	0.10	0.10	< 0.005	0.03	0.03	356
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.28	0.00	0.00	0.07	0.07	0.00	0.02	0.02	64.2
Vendor	< 0.005	0.07	0.03	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	0.01	59.0
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.15. Architectural Coating (2028) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	7.69	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	7.69	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—

Architectural Coatings	3.24	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.59	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

4. Operations Emissions Details

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Vegetation	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—

4.10.2. Above and Belowground Carbon Accumulation by Land Use Type - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Species	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—

5. Activity Data

5.1. Construction Schedule

Phase Name	Phase Type	Start Date	End Date	Days Per Week	Work Days per Phase	Phase Description
Demolition/Utility Relocation	Demolition	6/2/2026	7/28/2026	5.00	41.0	—
Grading/Shoring/Excavation	Grading	7/15/2026	9/16/2026	5.00	46.0	—
Building Foundation	Building Construction	9/17/2026	4/2/2027	5.00	142	—
Building Construction	Building Construction	3/13/2027	6/3/2028	5.00	320	—
Paving	Paving	1/22/2028	8/3/2028	5.00	139	—
Architectural Coating	Architectural Coating	1/1/2028	8/3/2028	5.00	154	—

5.2. Off-Road Equipment

5.2.1. Unmitigated

Phase Name	Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
Demolition/Utility Relocation	Air Compressors	Diesel	Average	2.00	8.00	37.0	0.48
Demolition/Utility Relocation	Excavators	Diesel	Average	1.00	8.00	158	0.38
Demolition/Utility Relocation	Generator Sets	Diesel	Average	1.00	8.00	14.0	0.74
Demolition/Utility Relocation	Other Construction Equipment	Diesel	Average	1.00	8.00	82.0	0.42
Demolition/Utility Relocation	Skid Steer Loaders	Diesel	Average	2.00	8.00	71.0	0.37
Demolition/Utility Relocation	Tractors/Loaders/Backhoes	Diesel	Average	1.00	8.00	84.0	0.37
Grading/Shoring/Excavation	Bore/Drill Rigs	Diesel	Average	1.00	8.00	83.0	0.50
Grading/Shoring/Excavation	Excavators	Diesel	Average	2.00	8.00	158	0.38

Grading/Shoring/Exca	Other Construction Equipment	Diesel	Average	1.00	8.00	82.0	0.42
Grading/Shoring/Excavation	Plate Compactors	Diesel	Average	2.00	8.00	8.00	0.43
Grading/Shoring/Excavation	Rollers	Diesel	Average	1.00	8.00	36.0	0.38
Grading/Shoring/Excavation	Rubber Tired Loaders	Diesel	Average	1.00	8.00	150	0.36
Grading/Shoring/Excavation	Skid Steer Loaders	Diesel	Average	2.00	8.00	71.0	0.37
Building Foundation	Air Compressors	Diesel	Average	2.00	8.00	37.0	0.48
Building Foundation	Cement and Mortar Mixers	Diesel	Average	1.00	8.00	10.0	0.56
Building Foundation	Concrete/Industrial Saws	Diesel	Average	2.00	8.00	33.0	0.73
Building Foundation	Cranes	Diesel	Average	1.00	8.00	367	0.29
Building Foundation	Excavators	Diesel	Average	1.00	8.00	158	0.38
Building Foundation	Forklifts	Diesel	Average	2.00	8.00	82.0	0.20
Building Foundation	Pumps	Diesel	Average	1.00	8.00	11.0	0.74
Building Foundation	Plate Compactors	Diesel	Average	2.00	8.00	8.00	0.43
Building Foundation	Rough Terrain Forklifts	Diesel	Average	2.00	8.00	96.0	0.40
Building Foundation	Tractors/Loaders/Backhoes	Diesel	Average	1.00	8.00	84.0	0.37
Building Foundation	Welders	Diesel	Average	2.00	8.00	46.0	0.45
Building Construction	Aerial Lifts	Diesel	Average	2.00	8.00	46.0	0.31
Paving	Cranes	Diesel	Average	1.00	8.00	367	0.29
Paving	Other Construction Equipment	Diesel	Average	1.00	8.00	82.0	0.42
Paving	Paving Equipment	Diesel	Average	1.00	8.00	89.0	0.36
Paving	Plate Compactors	Diesel	Average	2.00	8.00	8.00	0.43
Paving	Rollers	Diesel	Average	1.00	8.00	36.0	0.38
Paving	Signal Boards	Diesel	Average	2.00	8.00	6.00	0.82

Paving	Tractors/Loaders/Back	Diesel	Average	2.00	8.00	84.0	0.37

5.3. Construction Vehicles

5.3.1. Unmitigated

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix
Demolition/Utility Relocation	—	—	—	—
Demolition/Utility Relocation	Worker	40.0	18.5	LDA,LDT1,LDT2
Demolition/Utility Relocation	Vendor	4.00	10.2	HHDT,MHDT
Demolition/Utility Relocation	Hauling	20.0	25.0	HHDT
Demolition/Utility Relocation	Onsite truck	12.0	0.28	HHDT
Grading/Shoring/Excavation	—	—	—	—
Grading/Shoring/Excavation	Worker	60.0	18.5	LDA,LDT1,LDT2
Grading/Shoring/Excavation	Vendor	8.00	10.2	HHDT,MHDT
Grading/Shoring/Excavation	Hauling	240	25.0	HHDT
Grading/Shoring/Excavation	Onsite truck	124	0.28	HHDT
Building Foundation	—	—	—	—
Building Foundation	Worker	180	18.5	LDA,LDT1,LDT2
Building Foundation	Vendor	160	10.2	HHDT,MHDT
Building Foundation	Hauling	0.00	20.0	HHDT
Building Foundation	Onsite truck	0.00	0.00	HHDT
Paving	—	—	—	—
Paving	Worker	80.0	18.5	LDA,LDT1,LDT2
Paving	Vendor	30.0	10.2	HHDT,MHDT
Paving	Hauling	0.00	20.0	HHDT
Paving	Onsite truck	0.00	0.00	HHDT
Architectural Coating	—	—	—	—
Architectural Coating	Worker	0.00	18.5	LDA,LDT1,LDT2

Architectural Coating	Vendor	0.00	10.2	HHDT,MHDT
Architectural Coating	Hauling	0.00	20.0	HHDT
Architectural Coating	Onsite truck	0.00	0.00	HHDT
Building Construction	—	—	—	—
Building Construction	Worker	240	18.5	LDA,LDT1,LDT2
Building Construction	Vendor	36.0	10.2	HHDT,MHDT
Building Construction	Hauling	0.00	20.0	HHDT
Building Construction	Onsite truck	0.00	0.00	HHDT

5.4. Vehicles

5.4.1. Construction Vehicle Control Strategies

Control Strategies Applied	PM10 Reduction	PM2.5 Reduction
Water unpaved roads twice daily	55%	55%
Limit vehicle speeds on unpaved roads to 25 mph	44%	44%

5.5. Architectural Coatings

Phase Name	Residential Interior Area Coated (sq ft)	Residential Exterior Area Coated (sq ft)	Non-Residential Interior Area Coated (sq ft)	Non-Residential Exterior Area Coated (sq ft)	Parking Area Coated (sq ft)
Architectural Coating	369,775	123,258	3,599	400	4,799

5.6. Dust Mitigation

5.6.1. Construction Earthmoving Activities

Phase Name	Material Imported (Cubic Yards)	Material Exported (Cubic Yards)	Acres Graded (acres)	Material Demolished (Building Square Footage)	Acres Paved (acres)
Demolition/Utility Relocation	0.00	0.00	0.00	0.00	—
Grading/Shoring/Excavation	0.00	42,960	0.00	0.00	—

Paving	0.00	0.00	0.00	0.00	1.84

5.6.2. Construction Earthmoving Control Strategies

Control Strategies Applied	Frequency (per day)	PM10 Reduction	PM2.5 Reduction
Water Exposed Area	3	74%	74%
Water Demolished Area	2	36%	36%

5.7. Construction Paving

Land Use	Area Paved (acres)	% Asphalt
Apartments Mid Rise	—	0%
Recreational Swimming Pool	0.00	0%
Enclosed Parking with Elevator	1.84	100%

5.8. Construction Electricity Consumption and Emissions Factors

kWh per Year and Emission Factor (lb/MWh)

Year	kWh per Year	CO2	CH4	N2O
2027	0.00	690	0.05	0.01
2028	0.00	690	0.05	0.01
2026	0.00	690	0.05	0.01

5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres

5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

Biomass Cover Type	Initial Acres	Final Acres

5.18.2. Sequestration

5.18.2.1. Unmitigated

Tree Type	Number	Electricity Saved (kWh/year)	Natural Gas Saved (btu/year)

6. Climate Risk Detailed Report

6.1. Climate Risk Summary

Cal-Adapt midcentury 2040–2059 average projections for four hazards are reported below for your project location. These are under Representation Concentration Pathway (RCP) 8.5 which assumes GHG emissions will continue to rise strongly through 2050 and then plateau around 2100.

Climate Hazard	Result for Project Location	Unit
Temperature and Extreme Heat	9.52	annual days of extreme heat
Extreme Precipitation	6.15	annual days with precipitation above 20 mm
Sea Level Rise	—	meters of inundation depth
Wildfire	0.00	annual hectares burned

Temperature and Extreme Heat data are for grid cell in which your project are located. The projection is based on the 98th historical percentile of daily maximum/minimum temperatures from observed historical data (32 climate model ensemble from Cal-Adapt, 2040–2059 average under RCP 8.5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.
Extreme Precipitation data are for the grid cell in which your project are located. The threshold of 20 mm is equivalent to about ¾ an inch of rain, which would be light to moderate rainfall if received over a full day or heavy rain if received over a period of 2 to 4 hours. Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.
Sea Level Rise data are for the grid cell in which your project are located. The projections are from Radke et al. (2017), as reported in Cal-Adapt (Radke et al., 2017, CEC-500-2017-008), and consider inundation location and depth for the San Francisco Bay, the Sacramento-San Joaquin River Delta and California coast resulting different increments of sea level rise coupled with extreme storm events. Users may select from four scenarios to view the range in potential inundation depth for the grid cell. The four scenarios are: No rise, 0.5 meter, 1.0 meter, 1.41 meters
Wildfire data are for the grid cell in which your project are located. The projections are from UC Davis, as reported in Cal-Adapt (2040–2059 average under RCP 8.5), and consider historical data of climate, vegetation, population density, and large (> 400 ha) fire history. Users may select from four model simulations to view the range in potential wildfire probabilities for the grid cell. The four simulations make different assumptions about expected rainfall and temperature are: Warmer/drier (HadGEM2-ES), Cooler/wetter (CNRM-CM5), Average conditions (CanESM2), Range of different rainfall and temperature possibilities (MIROC5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.

6.2. Initial Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	N/A	N/A	N/A	N/A
Extreme Precipitation	N/A	N/A	N/A	N/A
Sea Level Rise	N/A	N/A	N/A	N/A
Wildfire	N/A	N/A	N/A	N/A
Flooding	N/A	N/A	N/A	N/A
Drought	N/A	N/A	N/A	N/A
Snowpack Reduction	N/A	N/A	N/A	N/A
Air Quality Degradation	N/A	N/A	N/A	N/A

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.
The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.
The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores do not include implementation of climate risk reduction measures.

6.3. Adjusted Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	N/A	N/A	N/A	N/A
Extreme Precipitation	N/A	N/A	N/A	N/A
Sea Level Rise	N/A	N/A	N/A	N/A
Wildfire	N/A	N/A	N/A	N/A
Flooding	N/A	N/A	N/A	N/A
Drought	N/A	N/A	N/A	N/A
Snowpack Reduction	N/A	N/A	N/A	N/A
Air Quality Degradation	N/A	N/A	N/A	N/A

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.

The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.
The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores include implementation of climate risk reduction measures.

6.4. Climate Risk Reduction Measures

7. Health and Equity Details

7.1. CalEnviroScreen 4.0 Scores

The maximum CalEnviroScreen score is 100. A high score (i.e., greater than 50) reflects a higher pollution burden compared to other census tracts in the state.

Indicator	Result for Project Census Tract
Exposure Indicators	—
AQ-Ozone	50.5
AQ-PM	89.2
AQ-DPM	95.5
Drinking Water	92.5
Lead Risk Housing	71.6
Pesticides	0.00
Toxic Releases	82.2
Traffic	85.9
Effect Indicators	—
CleanUp Sites	97.2
Groundwater	78.1
Haz Waste Facilities/Generators	98.8
Impaired Water Bodies	66.7
Solid Waste	96.0
Sensitive Population	—
Asthma	97.7
Cardio-vascular	65.1
Low Birth Weights	71.6

Socioeconomic Factor Indicators	—
Education	74.4
Housing	68.5
Linguistic	91.8
Poverty	75.4
Unemployment	79.7

7.2. Healthy Places Index Scores

The maximum Health Places Index score is 100. A high score (i.e., greater than 50) reflects healthier community conditions compared to other census tracts in the state.

Indicator	Result for Project Census Tract
Economic	—
Above Poverty	10.5350956
Employed	49.30065443
Median HI	4.273065572
Education	—
Bachelor's or higher	63.26190171
High school enrollment	100
Preschool enrollment	95.7141024
Transportation	—
Auto Access	1.180546644
Active commuting	97.42076222
Social	—
2-parent households	4.119081227
Voting	13.0373412
Neighborhood	—
Alcohol availability	9.5983575
Park access	81.35506224
Retail density	43.6160657

Supermarket access	82.8564096
Tree canopy	14.50019248
Housing	—
Homeownership	6.723983062
Housing habitability	0.166816374
Low-inc homeowner severe housing cost burden	1.475683306
Low-inc renter severe housing cost burden	66.38008469
Uncrowded housing	6.300526113
Health Outcomes	—
Insured adults	5.902733222
Arthritis	53.0
Asthma ER Admissions	1.4
High Blood Pressure	12.0
Cancer (excluding skin)	82.6
Asthma	21.6
Coronary Heart Disease	15.5
Chronic Obstructive Pulmonary Disease	14.4
Diagnosed Diabetes	11.3
Life Expectancy at Birth	5.1
Cognitively Disabled	13.7
Physically Disabled	6.4
Heart Attack ER Admissions	46.0
Mental Health Not Good	14.9
Chronic Kidney Disease	20.1
Obesity	9.6
Pedestrian Injuries	100.0
Physical Health Not Good	12.4
Stroke	13.0

Health Risk Behaviors	—
Binge Drinking	60.3
Current Smoker	7.4
No Leisure Time for Physical Activity	24.7
Climate Change Exposures	—
Wildfire Risk	0.0
SLR Inundation Area	0.0
Children	76.4
Elderly	97.3
English Speaking	7.7
Foreign-born	75.6
Outdoor Workers	46.0
Climate Change Adaptive Capacity	—
Impervious Surface Cover	0.0
Traffic Density	90.2
Traffic Access	87.4
Other Indices	—
Hardship	82.8
Other Decision Support	—
2016 Voting	5.0

7.3. Overall Health & Equity Scores

Metric	Result for Project Census Tract
CalEnviroScreen 4.0 Score for Project Location (a)	100
Healthy Places Index Score for Project Location (b)	14.0
Project Located in a Designated Disadvantaged Community (Senate Bill 535)	Yes
Project Located in a Low-Income Community (Assembly Bill 1550)	Yes
Project Located in a Community Air Protection Program Community (Assembly Bill 617)	No

a: The maximum CalEnviroScreen score is 100. A high score (i.e., greater than 50) reflects a higher pollution burden compared to other census tracts in the state.
b: The maximum Health Places Index score is 100. A high score (i.e., greater than 50) reflects healthier community conditions compared to other census tracts in the state.

7.4. Health & Equity Measures

No Health & Equity Measures selected.

7.5. Evaluation Scorecard

Health & Equity Evaluation Scorecard not completed.

7.6. Health & Equity Custom Measures

No Health & Equity Custom Measures created.

8. User Changes to Default Data

Screen	Justification
Construction: Construction Phases	see construction assumptions
Construction: Off-Road Equipment	see construction assumptions
Construction: Trips and VMT	see construction assumptions
Construction: On-Road Fugitive Dust	see construction assumptions
Construction: Electricity	Carbon intensity for construction years
Land Use	Project Specific

DTLA Row - Construction North Lot Detailed Report

Table of Contents

1. Basic Project Information

1.1. Basic Project Information

1.2. Land Use Types

1.3. User-Selected Emission Reduction Measures by Emissions Sector

2. Emissions Summary

2.1. Construction Emissions Compared Against Thresholds

2.2. Construction Emissions by Year, Unmitigated

3. Construction Emissions Details

3.1. Demolition (2030) - Unmitigated

3.3. Grading & Utilities (2030) - Unmitigated

3.5. Foundation/Structure (2030) - Unmitigated

3.7. Foundation/Structure (2031) - Unmitigated

3.9. Interior (2031) - Unmitigated

3.11. Interior (2032) - Unmitigated

3.13. Paving (2032) - Unmitigated

3.15. Architectural Coating (2032) - Unmitigated

4. Operations Emissions Details

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

4.10.2. Above and Belowground Carbon Accumulation by Land Use Type - Unmitigated

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

5. Activity Data

5.1. Construction Schedule

5.2. Off-Road Equipment

5.2.1. Unmitigated

5.3. Construction Vehicles

5.3.1. Unmitigated

5.4. Vehicles

5.4.1. Construction Vehicle Control Strategies

5.5. Architectural Coatings

5.6. Dust Mitigation

5.6.1. Construction Earthmoving Activities

5.6.2. Construction Earthmoving Control Strategies

5.7. Construction Paving

5.8. Construction Electricity Consumption and Emissions Factors

5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

5.18.2. Sequestration

5.18.2.1. Unmitigated

6. Climate Risk Detailed Report

6.1. Climate Risk Summary

6.2. Initial Climate Risk Scores

6.3. Adjusted Climate Risk Scores

6.4. Climate Risk Reduction Measures

7. Health and Equity Details

7.1. CalEnviroScreen 4.0 Scores

7.2. Healthy Places Index Scores

7.3. Overall Health & Equity Scores

7.4. Health & Equity Measures

7.5. Evaluation Scorecard

7.6. Health & Equity Custom Measures

8. User Changes to Default Data

1. Basic Project Information

1.1. Basic Project Information

Data Field	Value
Project Name	DTLA Row - Construction North Lot
Construction Start Date	6/3/2030
Lead Agency	—
Land Use Scale	Project/site
Analysis Level for Defaults	County
Windspeed (m/s)	0.50
Precipitation (days)	18.4
Location	34.03415645231733, -118.23915432245305
County	Los Angeles-South Coast
City	Los Angeles
Air District	South Coast AQMD
Air Basin	South Coast
TAZ	4066
EDFZ	16
Electric Utility	Los Angeles Department of Water & Power
Gas Utility	Southern California Gas
App Version	2022.1.1.30

1.2. Land Use Types

Land Use Subtype	Size	Unit	Lot Acreage	Building Area (sq ft)	Landscape Area (sq ft)	Special Landscape Area (sq ft)	Population	Description
Apartments Mid Rise	376	Dwelling Unit	1.97	318,625	10,736	0.00	1,113	—

High Turnover (Sit Down Restaurant)	5.43	1000sqft	0.00	5,428	0.00	—	—	—
Recreational Swimming Pool	0.38	1000sqft	0.00	376	0.00	—	—	—
Enclosed Parking with Elevator	439	Space	3.95	175,600	0.00	—	—	—

1.3. User-Selected Emission Reduction Measures by Emissions Sector

No measures selected

2. Emissions Summary

2.1. Construction Emissions Compared Against Thresholds

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Un/Mit.	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Unmit.	14.0	45.9	65.6	0.23	0.86	14.9	15.7	0.81	3.24	4.06	33,609
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Unmit.	14.0	47.2	63.0	0.23	0.86	14.9	15.7	0.81	3.24	4.06	33,340
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—
Unmit.	6.42	10.8	20.3	0.05	0.20	4.43	4.62	0.19	0.96	1.14	7,586
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—
Unmit.	1.17	1.96	3.71	0.01	0.04	0.81	0.84	0.03	0.18	0.21	1,256

2.2. Construction Emissions by Year, Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Year	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e

Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
2030	3.90	45.9	65.6	0.23	0.86	14.9	15.7	0.81	3.24	4.06	33,609
2031	2.28	18.7	35.9	0.08	0.35	7.31	7.66	0.33	1.56	1.89	12,968
2032	14.0	9.96	24.6	0.04	0.27	4.36	4.62	0.25	1.04	1.29	7,668
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
2030	3.83	47.2	63.0	0.23	0.86	14.9	15.7	0.81	3.24	4.06	33,340
2031	2.25	19.1	33.8	0.08	0.35	7.31	7.66	0.33	1.56	1.89	12,799
2032	14.0	10.2	22.7	0.04	0.27	4.36	4.62	0.25	1.04	1.29	7,476
Average Daily	—	—	—	—	—	—	—	—	—	—	—
2030	0.87	10.8	14.4	0.05	0.20	3.23	3.43	0.19	0.71	0.90	7,538
2031	1.33	10.6	20.3	0.04	0.19	4.43	4.62	0.18	0.96	1.14	7,586
2032	6.42	4.01	7.85	0.01	0.12	1.09	1.21	0.11	0.26	0.37	2,415
Annual	—	—	—	—	—	—	—	—	—	—	—
2030	0.16	1.96	2.63	0.01	0.04	0.59	0.63	0.03	0.13	0.16	1,248
2031	0.24	1.94	3.71	0.01	0.03	0.81	0.84	0.03	0.18	0.21	1,256
2032	1.17	0.73	1.43	< 0.005	0.02	0.20	0.22	0.02	0.05	0.07	400

3. Construction Emissions Details

3.1. Demolition (2030) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.66	5.69	10.8	0.02	0.19	—	0.19	0.17	—	0.17	1,702

Demolition	—	—	—	—	—	0.04	0.04	—	0.01	0.01	—
Onsite truck	0.01	0.16	0.13	< 0.005	< 0.005	0.20	0.20	< 0.005	0.02	0.02	23.6
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.03	0.27	0.50	< 0.005	0.01	—	0.01	0.01	—	0.01	79.3
Demolition	—	—	—	—	—	< 0.005	< 0.005	—	< 0.005	< 0.005	—
Onsite truck	< 0.005	0.01	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	1.11
Annual	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.05	0.09	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	13.1
Demolition	—	—	—	—	—	< 0.005	< 0.005	—	< 0.005	< 0.005	—
Onsite truck	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.18
Offsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.08	0.06	1.19	0.00	0.00	0.31	0.31	0.00	0.07	0.07	307
Vendor	< 0.005	0.11	0.06	< 0.005	< 0.005	0.03	0.04	< 0.005	0.01	0.01	118
Hauling	0.02	1.72	0.68	0.01	0.02	0.46	0.49	0.02	0.13	0.15	1,622
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.05	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	13.8
Vendor	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	5.49
Hauling	< 0.005	0.08	0.03	< 0.005	< 0.005	0.02	0.02	< 0.005	0.01	0.01	75.5
Annual	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	2.28
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.91
Hauling	< 0.005	0.02	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	12.5

3.3. Grading & Utilities (2030) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.89	6.82	16.9	0.03	0.27	—	0.27	0.24	—	0.24	2,754
Dust From Material Movement	—	—	—	—	—	< 0.005	< 0.005	—	< 0.005	< 0.005	—
Onsite truck	0.08	1.66	1.33	< 0.005	< 0.005	2.06	2.06	< 0.005	0.21	0.21	242
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.89	6.82	16.9	0.03	0.27	—	0.27	0.24	—	0.24	2,754
Dust From Material Movement	—	—	—	—	—	< 0.005	< 0.005	—	< 0.005	< 0.005	—
Onsite truck	0.07	1.75	1.37	< 0.005	< 0.005	2.06	2.06	< 0.005	0.21	0.21	246
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.20	1.55	3.85	0.01	0.06	—	0.06	0.06	—	0.06	626
Dust From Material Movement	—	—	—	—	—	< 0.005	< 0.005	—	< 0.005	< 0.005	—
Onsite truck	0.02	0.39	0.31	< 0.005	< 0.005	0.44	0.44	< 0.005	0.04	0.04	55.4
Annual	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.04	0.28	0.70	< 0.005	0.01	—	0.01	0.01	—	0.01	104
Dust From Material Movement	—	—	—	—	—	< 0.005	< 0.005	—	< 0.005	< 0.005	—

Onsite truck	< 0.005	0.07	0.06	< 0.005	< 0.005	0.08	0.08	< 0.005	0.01	0.01	9.17
Offsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.19	0.15	2.97	0.00	0.00	0.78	0.78	0.00	0.18	0.18	768
Vendor	< 0.005	0.17	0.08	< 0.005	< 0.005	0.05	0.05	< 0.005	0.01	0.02	177
Hauling	0.26	17.8	7.24	0.12	0.22	4.67	4.89	0.22	1.28	1.50	16,416
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.19	0.18	2.51	0.00	0.00	0.78	0.78	0.00	0.18	0.18	727
Vendor	< 0.005	0.18	0.09	< 0.005	< 0.005	0.05	0.05	< 0.005	0.01	0.02	177
Hauling	0.24	18.6	7.31	0.12	0.22	4.67	4.89	0.22	1.28	1.50	16,396
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.04	0.60	0.00	0.00	0.18	0.18	0.00	0.04	0.04	168
Vendor	< 0.005	0.04	0.02	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	40.2
Hauling	0.06	4.25	1.65	0.03	0.05	1.05	1.10	0.05	0.29	0.34	3,730
Annual	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.11	0.00	0.00	0.03	0.03	0.00	0.01	0.01	27.8
Vendor	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	6.66
Hauling	0.01	0.78	0.30	< 0.005	0.01	0.19	0.20	0.01	0.05	0.06	618

3.5. Foundation/Structure (2030) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.33	11.4	18.3	0.03	0.33	—	0.33	0.30	—	0.30	3,316

Onsite truck	0.06	1.35	1.08	< 0.005	< 0.005	1.67	1.67	< 0.005	0.17	0.17	197
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.33	11.4	18.3	0.03	0.33	—	0.33	0.30	—	0.30	3,316
Onsite truck	0.06	1.42	1.11	< 0.005	< 0.005	1.67	1.67	< 0.005	0.17	0.17	200
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.28	2.39	3.83	0.01	0.07	—	0.07	0.06	—	0.06	694
Onsite truck	0.01	0.29	0.23	< 0.005	< 0.005	0.33	0.33	< 0.005	0.03	0.03	41.5
Annual	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.05	0.44	0.70	< 0.005	0.01	—	0.01	0.01	—	0.01	115
Onsite truck	< 0.005	0.05	0.04	< 0.005	< 0.005	0.06	0.06	< 0.005	0.01	0.01	6.87
Offsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.95	0.76	14.9	0.00	0.00	3.92	3.92	0.00	0.92	0.92	3,839
Vendor	0.13	5.72	2.78	0.04	0.04	1.71	1.76	0.04	0.47	0.52	5,899
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.93	0.90	12.5	0.00	0.00	3.92	3.92	0.00	0.92	0.92	3,634
Vendor	0.12	5.99	2.84	0.04	0.04	1.71	1.76	0.04	0.47	0.52	5,890
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Worker	0.19	0.19	2.76	0.00	0.00	0.81	0.81	0.00	0.19	0.19	773
Vendor	0.03	1.25	0.59	0.01	0.01	0.35	0.36	0.01	0.10	0.11	1,234
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.03	0.50	0.00	0.00	0.15	0.15	0.00	0.03	0.03	128

Vendor	< 0.005	0.23	0.11	< 0.005	< 0.005	0.06	0.07	< 0.005	0.02	0.02	204
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.7. Foundation/Structure (2031) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.30	11.1	18.2	0.03	0.31	—	0.31	0.28	—	0.28	3,316
Onsite truck	0.06	1.33	1.08	< 0.005	< 0.005	1.67	1.67	< 0.005	0.17	0.17	194
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.30	11.1	18.2	0.03	0.31	—	0.31	0.28	—	0.28	3,316
Onsite truck	0.06	1.41	1.11	< 0.005	< 0.005	1.67	1.67	< 0.005	0.17	0.17	197
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.69	5.91	9.70	0.02	0.16	—	0.16	0.15	—	0.15	1,765
Onsite truck	0.03	0.73	0.58	< 0.005	< 0.005	0.85	0.85	< 0.005	0.08	0.09	104
Annual	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.13	1.08	1.77	< 0.005	0.03	—	0.03	0.03	—	0.03	292
Onsite truck	0.01	0.13	0.11	< 0.005	< 0.005	0.15	0.15	< 0.005	0.02	0.02	17.2
Offsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.78	0.76	13.9	0.00	0.00	3.92	3.92	0.00	0.92	0.92	3,744
Vendor	0.13	5.47	2.68	0.04	0.04	1.71	1.76	0.04	0.47	0.52	5,713
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.77	0.89	11.8	0.00	0.00	3.92	3.92	0.00	0.92	0.92	3,580
Vendor	0.12	5.74	2.70	0.04	0.04	1.71	1.76	0.04	0.47	0.52	5,705
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Worker	0.41	0.47	6.57	0.00	0.00	2.06	2.06	0.00	0.48	0.48	1,935
Vendor	0.07	3.05	1.44	0.02	0.02	0.90	0.93	0.02	0.25	0.27	3,038
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07	0.09	1.20	0.00	0.00	0.38	0.38	0.00	0.09	0.09	320
Vendor	0.01	0.56	0.26	< 0.005	< 0.005	0.16	0.17	< 0.005	0.05	0.05	503
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.9. Interior (2031) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.04	0.72	0.77	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	148
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.04	0.72	0.77	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	148
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	0.01	0.13	0.14	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	27.0
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	0.02	0.03	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	4.46
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.62	0.61	11.1	0.00	0.00	3.14	3.14	0.00	0.74	0.74	2,995
Vendor	0.02	0.98	0.48	0.01	0.01	0.31	0.32	0.01	0.09	0.09	1,028
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.62	0.71	9.43	0.00	0.00	3.14	3.14	0.00	0.74	0.74	2,864
Vendor	0.02	1.03	0.49	0.01	0.01	0.31	0.32	0.01	0.09	0.09	1,027
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Worker	0.11	0.13	1.80	0.00	0.00	0.56	0.56	0.00	0.13	0.13	529
Vendor	< 0.005	0.19	0.09	< 0.005	< 0.005	0.06	0.06	< 0.005	0.02	0.02	187
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.33	0.00	0.00	0.10	0.10	0.00	0.02	0.02	87.6
Vendor	< 0.005	0.03	0.02	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	31.0
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.11. Interior (2032) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.04	0.72	0.77	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	148
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.04	0.72	0.77	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	148
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.14	0.16	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	29.9
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	0.03	0.03	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	4.94
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.60	0.50	10.5	0.00	0.00	3.14	3.14	0.00	0.74	0.74	2,954
Vendor	0.02	0.95	0.46	0.01	0.01	0.31	0.32	0.01	0.09	0.09	993
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.59	0.61	8.85	0.00	0.00	3.14	3.14	0.00	0.74	0.74	2,797
Vendor	0.02	0.99	0.48	0.01	0.01	0.31	0.32	0.01	0.09	0.09	991
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Average Daily	—	—	—	—	—	—	—	—	—	—	—
Worker	0.12	0.12	1.87	0.00	0.00	0.62	0.62	0.00	0.15	0.15	578
Vendor	< 0.005	0.20	0.09	< 0.005	< 0.005	0.06	0.06	< 0.005	0.02	0.02	200
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.34	0.00	0.00	0.11	0.11	0.00	0.03	0.03	95.7
Vendor	< 0.005	0.04	0.02	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	33.1
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.13. Paving (2032) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.80	6.90	10.3	0.02	0.25	—	0.25	0.23	—	0.23	2,131
Paving	0.06	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.80	6.90	10.3	0.02	0.25	—	0.25	0.23	—	0.23	2,131
Paving	0.06	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.36	3.12	4.67	0.01	0.11	—	0.11	0.10	—	0.10	964
Paving	0.03	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Annual	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.07	0.57	0.85	< 0.005	0.02	—	0.02	0.02	—	0.02	160
Paving	0.01	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.12	0.10	2.18	0.00	0.00	0.65	0.65	0.00	0.15	0.15	615
Vendor	0.02	0.79	0.39	0.01	0.01	0.26	0.26	0.01	0.07	0.08	827
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.12	0.13	1.84	0.00	0.00	0.65	0.65	0.00	0.15	0.15	583
Vendor	0.02	0.82	0.40	0.01	0.01	0.26	0.26	0.01	0.07	0.08	826
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.06	0.88	0.00	0.00	0.29	0.29	0.00	0.07	0.07	270
Vendor	0.01	0.37	0.18	< 0.005	< 0.005	0.11	0.12	< 0.005	0.03	0.03	374
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.16	0.00	0.00	0.05	0.05	0.00	0.01	0.01	44.7
Vendor	< 0.005	0.07	0.03	< 0.005	< 0.005	0.02	0.02	< 0.005	0.01	0.01	61.9
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.15. Architectural Coating (2032) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	12.3	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	12.3	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	5.84	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	1.07	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

4. Operations Emissions Details

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Vegetation	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—

4.10.2. Above and Belowground Carbon Accumulation by Land Use Type - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Species	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—

Subtotal	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—

5. Activity Data

5.1. Construction Schedule

Phase Name	Phase Type	Start Date	End Date	Days Per Week	Work Days per Phase	Phase Description
Demolition	Demolition	6/3/2030	6/25/2030	5.00	17.0	—
Grading & Utilities	Grading	6/9/2030	10/2/2030	5.00	83.0	—
Foundation/Structure	Building Construction	9/16/2030	9/29/2031	5.00	271	—
Interior	Building Construction	9/30/2031	4/12/2032	5.00	140	—
Paving	Paving	1/13/2032	8/30/2032	5.00	165	—
Architectural Coating	Architectural Coating	1/1/2032	8/30/2032	5.00	173	—

5.2. Off-Road Equipment

5.2.1. Unmitigated

Phase Name	Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
Demolition	Air Compressors	Diesel	Average	1.00	8.00	37.0	0.48
Demolition	Excavators	Diesel	Average	1.00	8.00	158	0.38
Demolition	Generator Sets	Diesel	Average	1.00	8.00	14.0	0.74
Demolition	Other Construction Equipment	Diesel	Average	1.00	8.00	82.0	0.42
Demolition	Skid Steer Loaders	Diesel	Average	1.00	8.00	71.0	0.37

Demolition	Tractors/Loaders/Back	Diesel	Average	1.00	8.00	84.0	0.37
Grading & Utilities	Bore/Drill Rigs	Diesel	Average	1.00	8.00	83.0	0.50
Grading & Utilities	Excavators	Diesel	Average	2.00	8.00	158	0.38
Grading & Utilities	Other Construction Equipment	Diesel	Average	1.00	8.00	82.0	0.42
Grading & Utilities	Plate Compactors	Diesel	Average	1.00	8.00	8.00	0.43
Grading & Utilities	Rollers	Diesel	Average	1.00	8.00	36.0	0.38
Grading & Utilities	Rubber Tired Loaders	Diesel	Average	1.00	8.00	150	0.36
Grading & Utilities	Skid Steer Loaders	Diesel	Average	1.00	8.00	71.0	0.37
Foundation/Structure	Air Compressors	Diesel	Average	1.00	8.00	37.0	0.48
Foundation/Structure	Cement and Mortar Mixers	Diesel	Average	1.00	8.00	10.0	0.56
Foundation/Structure	Concrete/Industrial Saws	Diesel	Average	1.00	8.00	33.0	0.73
Foundation/Structure	Cranes	Diesel	Average	1.00	8.00	367	0.29
Foundation/Structure	Cranes	Electric	Average	1.00	8.00	367	0.29
Foundation/Structure	Excavators	Diesel	Average	1.00	8.00	158	0.38
Foundation/Structure	Forklifts	Diesel	Average	2.00	8.00	82.0	0.20
Foundation/Structure	Pumps	Diesel	Average	1.00	8.00	11.0	0.74
Foundation/Structure	Plate Compactors	Diesel	Average	1.00	8.00	8.00	0.43
Foundation/Structure	Rough Terrain Forklifts	Diesel	Average	1.00	8.00	96.0	0.40
Foundation/Structure	Tractors/Loaders/Back hoes	Diesel	Average	1.00	8.00	84.0	0.37
Foundation/Structure	Welders	Diesel	Average	1.00	8.00	46.0	0.45
Interior	Aerial Lifts	Diesel	Average	1.00	8.00	46.0	0.31
Paving	Cranes	Diesel	Average	1.00	8.00	367	0.29
Paving	Other Construction Equipment	Diesel	Average	1.00	8.00	82.0	0.42
Paving	Paving Equipment	Diesel	Average	1.00	8.00	89.0	0.36
Paving	Plate Compactors	Diesel	Average	1.00	8.00	8.00	0.43

Paving	Rollers	Diesel	Average	1.00	8.00	36.0	0.38
Paving	Signal Boards	Diesel	Average	1.00	8.00	6.00	0.82
Paving	Tractors/Loaders/Backhoes	Diesel	Average	1.00	8.00	84.0	0.37

5.3. Construction Vehicles

5.3.1. Unmitigated

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix
Demolition	—	—	—	—
Demolition	Worker	24.0	18.5	LDA,LDT1,LDT2
Demolition	Vendor	4.00	10.2	HHDT,MHDT
Demolition	Hauling	20.0	25.0	HHDT
Demolition	Onsite truck	12.0	0.09	HHDT
Grading & Utilities	—	—	—	—
Grading & Utilities	Worker	60.0	18.5	LDA,LDT1,LDT2
Grading & Utilities	Vendor	6.00	10.2	HHDT,MHDT
Grading & Utilities	Hauling	240	21.0	HHDT
Grading & Utilities	Onsite truck	123	0.09	HHDT
Foundation/Structure	—	—	—	—
Foundation/Structure	Worker	300	18.5	LDA,LDT1,LDT2
Foundation/Structure	Vendor	200	10.2	HHDT,MHDT
Foundation/Structure	Hauling	0.00	20.0	HHDT
Foundation/Structure	Onsite truck	100	0.09	HHDT
Paving	—	—	—	—
Paving	Worker	50.0	18.5	LDA,LDT1,LDT2
Paving	Vendor	30.0	10.2	HHDT,MHDT
Paving	Hauling	0.00	20.0	HHDT
Paving	Onsite truck	0.00	—	HHDT

Architectural Coating	—	—	—	—
Architectural Coating	Worker	0.00	18.5	LDA,LDT1,LDT2
Architectural Coating	Vendor	0.00	10.2	HHDT,MHDT
Architectural Coating	Hauling	0.00	20.0	HHDT
Architectural Coating	Onsite truck	0.00	—	HHDT
Interior	—	—	—	—
Interior	Worker	240	18.5	LDA,LDT1,LDT2
Interior	Vendor	36.0	10.2	HHDT,MHDT
Interior	Hauling	0.00	20.0	HHDT
Interior	Onsite truck	0.00	—	HHDT

5.4. Vehicles

5.4.1. Construction Vehicle Control Strategies

Control Strategies Applied	PM10 Reduction	PM2.5 Reduction
Water unpaved roads twice daily	55%	55%
Limit vehicle speeds on unpaved roads to 25 mph	44%	44%

5.5. Architectural Coatings

Phase Name	Residential Interior Area Coated (sq ft)	Residential Exterior Area Coated (sq ft)	Non-Residential Interior Area Coated (sq ft)	Non-Residential Exterior Area Coated (sq ft)	Parking Area Coated (sq ft)
Architectural Coating	645,216	215,072	15,887	3,575	10,326

5.6. Dust Mitigation

5.6.1. Construction Earthmoving Activities

Phase Name	Material Imported (Cubic Yards)	Material Exported (Cubic Yards)	Acres Graded (acres)	Material Demolished (Building Square Footage)	Acres Paved (acres)

Demolition	0.00	0.00	0.00	1,268	—
Grading & Utilities	0.00	36,210	0.00	0.00	—
Paving	0.00	0.00	0.00	0.00	3.95

5.6.2. Construction Earthmoving Control Strategies

Control Strategies Applied	Frequency (per day)	PM10 Reduction	PM2.5 Reduction
Water Exposed Area	3	74%	74%
Water Demolished Area	2	36%	36%

5.7. Construction Paving

Land Use	Area Paved (acres)	% Asphalt
Apartments Mid Rise	—	0%
High Turnover (Sit Down Restaurant)	0.00	0%
Recreational Swimming Pool	0.00	0%
Enclosed Parking with Elevator	3.95	100%

5.8. Construction Electricity Consumption and Emissions Factors

kWh per Year and Emission Factor (lb/MWh)

Year	kWh per Year	CO2	CH4	N2O
2030	635	345	0.05	0.01
2031	635	325	0.05	0.01
2032	0.00	304	0.05	0.01

5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres

5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

Biomass Cover Type	Initial Acres	Final Acres

5.18.2. Sequestration

5.18.2.1. Unmitigated

Tree Type	Number	Electricity Saved (kWh/year)	Natural Gas Saved (btu/year)

6. Climate Risk Detailed Report

6.1. Climate Risk Summary

Cal-Adapt midcentury 2040–2059 average projections for four hazards are reported below for your project location. These are under Representation Concentration Pathway (RCP) 8.5 which assumes GHG emissions will continue to rise strongly through 2050 and then plateau around 2100.

Climate Hazard	Result for Project Location	Unit
Temperature and Extreme Heat	9.52	annual days of extreme heat
Extreme Precipitation	6.15	annual days with precipitation above 20 mm
Sea Level Rise	—	meters of inundation depth
Wildfire	0.00	annual hectares burned

Temperature and Extreme Heat data are for grid cell in which your project are located. The projection is based on the 98th historical percentile of daily maximum/minimum temperatures from observed historical data (32 climate model ensemble from Cal-Adapt, 2040–2059 average under RCP 8.5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.
Extreme Precipitation data are for the grid cell in which your project are located. The threshold of 20 mm is equivalent to about ¾ an inch of rain, which would be light to moderate rainfall if received over a full day or heavy rain if received over a period of 2 to 4 hours. Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.
Sea Level Rise data are for the grid cell in which your project are located. The projections are from Radke et al. (2017), as reported in Cal-Adapt (Radke et al., 2017, CEC-500-2017-008), and consider inundation location and depth for the San Francisco Bay, the Sacramento-San Joaquin River Delta and California coast resulting different increments of sea level rise coupled with extreme storm events. Users may select from four scenarios to view the range in potential inundation depth for the grid cell. The four scenarios are: No rise, 0.5 meter, 1.0 meter, 1.41 meters

Wildfire data are for the grid cell in which your project are located. The projections are from UC Davis, as reported in Cal-Adapt (2040–2059 average under RCP 8.5), and consider historical data of climate, vegetation, population density, and large (> 400 ha) fire history. Users may select from four model simulations to view the range in potential wildfire probabilities for the grid cell. The four simulations make different assumptions about expected rainfall and temperature are: Warmer/drier (HadGEM2-ES), Cooler/wetter (CNRM-CM5), Average conditions (CanESM2), Range of different rainfall and temperature possibilities (MIROC5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.

6.2. Initial Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	1	0	0	N/A
Extreme Precipitation	N/A	N/A	N/A	N/A
Sea Level Rise	1	0	0	N/A
Wildfire	1	0	0	N/A
Flooding	N/A	N/A	N/A	N/A
Drought	N/A	N/A	N/A	N/A
Snowpack Reduction	N/A	N/A	N/A	N/A
Air Quality Degradation	0	0	0	N/A

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.
The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.
The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores do not include implementation of climate risk reduction measures.

6.3. Adjusted Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	1	1	1	2
Extreme Precipitation	N/A	N/A	N/A	N/A
Sea Level Rise	1	1	1	2
Wildfire	1	1	1	2
Flooding	N/A	N/A	N/A	N/A
Drought	N/A	N/A	N/A	N/A
Snowpack Reduction	N/A	N/A	N/A	N/A
Air Quality Degradation	1	1	1	2

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.
The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.
The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores include implementation of climate risk reduction measures.

6.4. Climate Risk Reduction Measures

7. Health and Equity Details

7.1. CalEnviroScreen 4.0 Scores

The maximum CalEnviroScreen score is 100. A high score (i.e., greater than 50) reflects a higher pollution burden compared to other census tracts in the state.

Indicator	Result for Project Census Tract
Exposure Indicators	—
AQ-Ozone	50.5
AQ-PM	89.2
AQ-DPM	95.5
Drinking Water	92.5
Lead Risk Housing	71.6
Pesticides	0.00
Toxic Releases	82.2
Traffic	85.9
Effect Indicators	—
CleanUp Sites	97.2
Groundwater	78.1
Haz Waste Facilities/Generators	98.8
Impaired Water Bodies	66.7
Solid Waste	96.0
Sensitive Population	—
Asthma	97.7

Cardio-vascular	65.1
Low Birth Weights	71.6
Socioeconomic Factor Indicators	—
Education	74.4
Housing	68.5
Linguistic	91.8
Poverty	75.4
Unemployment	79.7

7.2. Healthy Places Index Scores

The maximum Health Places Index score is 100. A high score (i.e., greater than 50) reflects healthier community conditions compared to other census tracts in the state.

Indicator	Result for Project Census Tract
Economic	—
Above Poverty	10.5350956
Employed	49.30065443
Median HI	4.273065572
Education	—
Bachelor's or higher	63.26190171
High school enrollment	100
Preschool enrollment	95.7141024
Transportation	—
Auto Access	1.180546644
Active commuting	97.42076222
Social	—
2-parent households	4.119081227
Voting	13.0373412
Neighborhood	—
Alcohol availability	9.5983575

Park access	81.35506224
Retail density	43.6160657
Supermarket access	82.8564096
Tree canopy	14.50019248
Housing	—
Homeownership	6.723983062
Housing habitability	0.166816374
Low-inc homeowner severe housing cost burden	1.475683306
Low-inc renter severe housing cost burden	66.38008469
Uncrowded housing	6.300526113
Health Outcomes	—
Insured adults	5.902733222
Arthritis	53.0
Asthma ER Admissions	1.4
High Blood Pressure	12.0
Cancer (excluding skin)	82.6
Asthma	21.6
Coronary Heart Disease	15.5
Chronic Obstructive Pulmonary Disease	14.4
Diagnosed Diabetes	11.3
Life Expectancy at Birth	5.1
Cognitively Disabled	13.7
Physically Disabled	6.4
Heart Attack ER Admissions	46.0
Mental Health Not Good	14.9
Chronic Kidney Disease	20.1
Obesity	9.6
Pedestrian Injuries	100.0

Physical Health Not Good	12.4
Stroke	13.0
Health Risk Behaviors	—
Binge Drinking	60.3
Current Smoker	7.4
No Leisure Time for Physical Activity	24.7
Climate Change Exposures	—
Wildfire Risk	0.0
SLR Inundation Area	0.0
Children	76.4
Elderly	97.3
English Speaking	7.7
Foreign-born	75.6
Outdoor Workers	46.0
Climate Change Adaptive Capacity	—
Impervious Surface Cover	0.0
Traffic Density	90.2
Traffic Access	87.4
Other Indices	—
Hardship	82.8
Other Decision Support	—
2016 Voting	5.0

7.3. Overall Health & Equity Scores

Metric	Result for Project Census Tract
CalEnviroScreen 4.0 Score for Project Location (a)	100
Healthy Places Index Score for Project Location (b)	14.0
Project Located in a Designated Disadvantaged Community (Senate Bill 535)	Yes

Project Located in a Low-Income Community (Assembly Bill 1550)	Yes
Project Located in a Community Air Protection Program Community (Assembly Bill 617)	No

a: The maximum CalEnviroScreen score is 100. A high score (i.e., greater than 50) reflects a higher pollution burden compared to other census tracts in the state.
b: The maximum Health Places Index score is 100. A high score (i.e., greater than 50) reflects healthier community conditions compared to other census tracts in the state.

7.4. Health & Equity Measures

No Health & Equity Measures selected.

7.5. Evaluation Scorecard

Health & Equity Evaluation Scorecard not completed.

7.6. Health & Equity Custom Measures

No Health & Equity Custom Measures created.

8. User Changes to Default Data

Screen	Justification
Construction: Construction Phases	Project Specific - see construction assumptions
Construction: Off-Road Equipment	See construction assumptions
Construction: Trips and VMT	see construction assumptions
Construction: On-Road Fugitive Dust	see construction assumptions
Construction: Electricity	Carbon intensity for construction years
Land Use	Project Specific

DTLA Row - Construction Onsite South Lot Building A Detailed Report

Table of Contents

1. Basic Project Information

1.1. Basic Project Information

1.2. Land Use Types

1.3. User-Selected Emission Reduction Measures by Emissions Sector

2. Emissions Summary

2.1. Construction Emissions Compared Against Thresholds

2.2. Construction Emissions by Year, Unmitigated

3. Construction Emissions Details

3.1. Demolition/Utility Relocation (2027) - Unmitigated

3.3. Grading/Shoring/Excavation (2027) - Unmitigated

3.5. Building Foundation (2027) - Unmitigated

3.7. Building Foundation (2028) - Unmitigated

3.9. Building Construction (2028) - Unmitigated

3.11. Building Construction (2029) - Unmitigated

3.13. Paving (2029) - Unmitigated

3.15. Architectural Coating (2029) - Unmitigated

4. Operations Emissions Details

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

4.10.2. Above and Belowground Carbon Accumulation by Land Use Type - Unmitigated

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

5. Activity Data

5.1. Construction Schedule

5.2. Off-Road Equipment

5.2.1. Unmitigated

5.3. Construction Vehicles

5.3.1. Unmitigated

5.4. Vehicles

5.4.1. Construction Vehicle Control Strategies

5.5. Architectural Coatings

5.6. Dust Mitigation

5.6.1. Construction Earthmoving Activities

5.6.2. Construction Earthmoving Control Strategies

5.7. Construction Paving

5.8. Construction Electricity Consumption and Emissions Factors

5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

5.18.2. Sequestration

5.18.2.1. Unmitigated

6. Climate Risk Detailed Report

6.1. Climate Risk Summary

6.2. Initial Climate Risk Scores

6.3. Adjusted Climate Risk Scores

6.4. Climate Risk Reduction Measures

7. Health and Equity Details

7.1. CalEnviroScreen 4.0 Scores

7.2. Healthy Places Index Scores

7.3. Overall Health & Equity Scores

7.4. Health & Equity Measures

7.5. Evaluation Scorecard

7.6. Health & Equity Custom Measures

8. User Changes to Default Data

1. Basic Project Information

1.1. Basic Project Information

Data Field	Value
Project Name	DTLA Row - Construction Onsite South Lot Building A
Construction Start Date	3/2/2027
Lead Agency	—
Land Use Scale	Project/site
Analysis Level for Defaults	County
Windspeed (m/s)	0.50
Precipitation (days)	18.4
Location	34.032905802980835, -118.23935798232272
County	Los Angeles-South Coast
City	Los Angeles
Air District	South Coast AQMD
Air Basin	South Coast
TAZ	4066
EDFZ	16
Electric Utility	Los Angeles Department of Water & Power
Gas Utility	Southern California Gas
App Version	2022.1.1.30

1.2. Land Use Types

Land Use Subtype	Size	Unit	Lot Acreage	Building Area (sq ft)	Landscape Area (sq ft)	Special Landscape Area (sq ft)	Population	Description
Apartments Mid Rise	410	Dwelling Unit	1.83	336,501	13,837	0.00	1,214	—

High Turnover (Sit Down Restaurant)	1.12	1000sqft	0.00	1,119	0.00	0.00	—	—
Recreational Swimming Pool	0.49	1000sqft	0.00	486	0.00	0.00	—	—
Enclosed Parking with Elevator	449	Space	4.04	179,600	0.00	0.00	—	—

1.3. User-Selected Emission Reduction Measures by Emissions Sector

No measures selected

2. Emissions Summary

2.1. Construction Emissions Compared Against Thresholds

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Un/Mit.	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Unmit.	13.9	22.0	32.1	0.06	0.64	11.9	12.4	0.59	1.19	1.68	5,320
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Unmit.	13.9	23.4	34.3	0.06	0.64	0.84	1.25	0.59	0.08	0.59	5,765
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—
Unmit.	6.57	11.4	18.0	0.03	0.35	1.61	1.96	0.32	0.16	0.48	2,981
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—
Unmit.	1.20	2.07	3.29	0.01	0.06	0.29	0.36	0.06	0.03	0.09	493

2.2. Construction Emissions by Year, Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Year	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e

Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
2027	2.47	22.0	32.1	0.06	0.64	11.9	12.4	0.59	1.19	1.68	5,320
2028	0.11	2.17	2.32	< 0.005	0.02	0.00	0.02	0.01	0.00	0.01	446
2029	13.9	12.2	16.2	0.03	0.39	0.00	0.39	0.36	0.00	0.36	3,094
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
2027	2.47	22.0	32.1	0.06	0.64	0.84	1.25	0.59	0.08	0.59	5,320
2028	2.49	23.4	34.3	0.06	0.58	0.00	0.58	0.54	0.00	0.54	5,765
2029	13.9	12.2	16.2	0.03	0.39	0.00	0.39	0.36	0.00	0.36	3,094
Average Daily	—	—	—	—	—	—	—	—	—	—	—
2027	1.27	11.4	18.0	0.03	0.35	1.61	1.96	0.32	0.16	0.48	2,981
2028	0.19	2.50	3.11	0.01	0.04	0.00	0.04	0.03	0.00	0.03	559
2029	6.57	4.72	6.28	0.01	0.15	0.00	0.15	0.14	0.00	0.14	1,200
Annual	—	—	—	—	—	—	—	—	—	—	—
2027	0.23	2.07	3.29	0.01	0.06	0.29	0.36	0.06	0.03	0.09	493
2028	0.03	0.46	0.57	< 0.005	0.01	0.00	0.01	0.01	0.00	0.01	92.5
2029	1.20	0.86	1.15	< 0.005	0.03	0.00	0.03	0.03	0.00	0.03	199

3. Construction Emissions Details

3.1. Demolition/Utility Relocation (2027) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.33	11.9	22.4	0.03	0.41	—	0.41	0.38	—	0.38	3,516

Demolition	—	—	—	—	—	0.00	0.00	—	0.00	0.00	—
Onsite truck	0.01	0.18	0.13	< 0.005	< 0.005	0.84	0.84	< 0.005	0.08	0.08	32.4
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.33	11.9	22.4	0.03	0.41	—	0.41	0.38	—	0.38	3,516
Demolition	—	—	—	—	—	0.00	0.00	—	0.00	0.00	—
Onsite truck	0.01	0.18	0.13	< 0.005	< 0.005	0.84	0.84	< 0.005	0.08	0.08	32.8
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.11	0.98	1.84	< 0.005	0.03	—	0.03	0.03	—	0.03	289
Demolition	—	—	—	—	—	0.00	0.00	—	0.00	0.00	—
Onsite truck	< 0.005	0.01	0.01	< 0.005	< 0.005	0.07	0.07	< 0.005	0.01	0.01	2.68
Annual	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.18	0.34	< 0.005	0.01	—	0.01	0.01	—	0.01	47.8
Demolition	—	—	—	—	—	0.00	0.00	—	0.00	0.00	—
Onsite truck	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	0.44
Offsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.3. Grading/Shoring/Excavation (2027) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.62	13.0	28.4	0.04	0.53	—	0.53	0.49	—	0.49	4,626
Dust From Material Movement	—	—	—	—	—	< 0.005	< 0.005	—	< 0.005	< 0.005	—
Onsite truck	0.08	1.80	1.34	< 0.005	< 0.005	11.9	11.9	< 0.005	1.19	1.19	332
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.22	1.78	3.89	0.01	0.07	—	0.07	0.07	—	0.07	634
Dust From Material Movement	—	—	—	—	—	< 0.005	< 0.005	—	< 0.005	< 0.005	—
Onsite truck	0.01	0.25	0.19	< 0.005	< 0.005	1.55	1.55	< 0.005	0.15	0.15	45.7
Annual	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.04	0.32	0.71	< 0.005	0.01	—	0.01	0.01	—	0.01	105

Dust From Material Movement	—	—	—	—	—	< 0.005	< 0.005	—	< 0.005	< 0.005	—
Onsite truck	< 0.005	0.05	0.03	< 0.005	< 0.005	0.28	0.28	< 0.005	0.03	0.03	7.57
Offsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.5. Building Foundation (2027) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.47	22.0	32.1	0.06	0.64	—	0.64	0.59	—	0.59	5,319
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.47	22.0	32.1	0.06	0.64	—	0.64	0.59	—	0.59	5,319
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.93	8.33	12.1	0.02	0.24	—	0.24	0.22	—	0.22	2,009
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.17	1.52	2.21	< 0.005	0.04	—	0.04	0.04	—	0.04	333
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.7. Building Foundation (2028) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.37	21.2	32.0	0.06	0.57	—	0.57	0.52	—	0.52	5,319
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.11	1.00	1.50	< 0.005	0.03	—	0.03	0.02	—	0.02	250
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.18	0.27	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	41.4
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.9. Building Construction (2028) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.11	2.17	2.32	< 0.005	0.02	—	0.02	0.01	—	0.01	444
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.11	2.17	2.32	< 0.005	0.02	—	0.02	0.01	—	0.01	444
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.08	1.50	1.61	< 0.005	0.01	—	0.01	0.01	—	0.01	308
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.27	0.29	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	51.0
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.11. Building Construction (2029) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.11	2.16	2.32	< 0.005	0.01	—	0.01	0.01	—	0.01	444
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	0.11	2.16	2.32	< 0.005	0.01	—	0.01	0.01	—	0.01	444
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.04	0.79	0.84	< 0.005	0.01	—	0.01	< 0.005	—	< 0.005	162
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.14	0.15	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	26.8
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.13. Paving (2029) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.16	10.0	13.9	0.03	0.37	—	0.37	0.34	—	0.34	2,649
Paving	0.07	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.16	10.0	13.9	0.03	0.37	—	0.37	0.34	—	0.34	2,649
Paving	0.07	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.46	3.93	5.44	0.01	0.15	—	0.15	0.13	—	0.13	1,038
Paving	0.03	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.08	0.72	0.99	< 0.005	0.03	—	0.03	0.02	—	0.02	172
Paving	0.01	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.15. Architectural Coating (2029) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	12.5	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	12.5	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Average Daily	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	6.04	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	1.10	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

4. Operations Emissions Details

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Vegetation	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—

4.10.2. Above and Belowground Carbon Accumulation by Land Use Type - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Species	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—

5. Activity Data

5.1. Construction Schedule

Phase Name	Phase Type	Start Date	End Date	Days Per Week	Work Days per Phase	Phase Description
Demolition/Utility Relocation	Demolition	3/2/2027	4/12/2027	5.00	30.0	—
Grading/Shoring/Excavation	Grading	4/13/2027	6/21/2027	5.00	50.0	—
Building Foundation	Building Construction	6/22/2027	1/24/2028	5.00	155	—
Building Construction	Building Construction	1/13/2028	7/5/2029	5.00	386	—
Paving	Paving	2/15/2029	9/3/2029	5.00	143	—
Architectural Coating	Architectural Coating	1/1/2029	9/3/2029	5.00	176	—

5.2. Off-Road Equipment

5.2.1. Unmitigated

Phase Name	Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
Demolition/Utility Relocation	Air Compressors	Diesel	Average	2.00	8.00	37.0	0.48
Demolition/Utility Relocation	Excavators	Diesel	Average	2.00	8.00	158	0.38
Demolition/Utility Relocation	Generator Sets	Diesel	Average	1.00	8.00	14.0	0.74
Demolition/Utility Relocation	Other Construction Equipment	Diesel	Average	1.00	8.00	82.0	0.42
Demolition/Utility Relocation	Skid Steer Loaders	Diesel	Average	3.00	8.00	71.0	0.37
Demolition/Utility Relocation	Tractors/Loaders/Backhoes	Diesel	Average	3.00	8.00	84.0	0.37
Grading/Shoring/Excavation	Bore/Drill Rigs	Diesel	Average	2.00	8.00	83.0	0.50
Grading/Shoring/Excavation	Excavators	Diesel	Average	3.00	8.00	158	0.38

Grading/Shoring/Exca	Other Construction Equipment	Diesel	Average	1.00	8.00	82.0	0.42
Grading/Shoring/Excavation	Plate Compactors	Diesel	Average	2.00	8.00	8.00	0.43
Grading/Shoring/Excavation	Rollers	Diesel	Average	2.00	8.00	36.0	0.38
Grading/Shoring/Excavation	Rubber Tired Loaders	Diesel	Average	2.00	8.00	150	0.36
Grading/Shoring/Excavation	Skid Steer Loaders	Diesel	Average	2.00	8.00	71.0	0.37
Building Foundation	Air Compressors	Diesel	Average	2.00	8.00	37.0	0.48
Building Foundation	Cement and Mortar Mixers	Diesel	Average	1.00	8.00	10.0	0.56
Building Foundation	Concrete/Industrial Saws	Diesel	Average	3.00	8.00	33.0	0.73
Building Foundation	Cranes	Diesel	Average	1.00	8.00	367	0.29
Building Foundation	Cranes	Electric	Average	1.00	8.00	367	0.29
Building Foundation	Excavators	Diesel	Average	1.00	8.00	158	0.38
Building Foundation	Forklifts	Diesel	Average	2.00	8.00	82.0	0.20
Building Foundation	Pumps	Diesel	Average	2.00	8.00	11.0	0.74
Building Foundation	Plate Compactors	Diesel	Average	2.00	8.00	8.00	0.43
Building Foundation	Rough Terrain Forklifts	Diesel	Average	3.00	8.00	96.0	0.40
Building Foundation	Tractors/Loaders/Backhoes	Diesel	Average	2.00	8.00	84.0	0.37
Building Foundation	Welders	Diesel	Average	2.00	8.00	46.0	0.45
Building Construction	Aerial Lifts	Diesel	Average	3.00	8.00	46.0	0.31
Building Construction	Cranes	Electric	Average	1.00	8.00	367	0.29
Paving	Cranes	Diesel	Average	1.00	8.00	367	0.29
Paving	Other Construction Equipment	Diesel	Average	1.00	8.00	82.0	0.42
Paving	Paving Equipment	Diesel	Average	1.00	8.00	89.0	0.36
Paving	Plate Compactors	Diesel	Average	2.00	8.00	8.00	0.43

Paving	Rollers	Diesel	Average	2.00	8.00	36.0	0.38
Paving	Signal Boards	Diesel	Average	2.00	8.00	6.00	0.82
Paving	Tractors/Loaders/Backhoes	Diesel	Average	2.00	8.00	84.0	0.37

5.3. Construction Vehicles

5.3.1. Unmitigated

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix
Demolition/Utility Relocation	—	—	—	—
Demolition/Utility Relocation	Worker	0.00	18.5	LDA,LDT1,LDT2
Demolition/Utility Relocation	Vendor	0.00	10.2	HHDT,MHDT
Demolition/Utility Relocation	Hauling	0.00	25.0	HHDT
Demolition/Utility Relocation	Onsite truck	12.0	0.28	HHDT
Grading/Shoring/Excavation	—	—	—	—
Grading/Shoring/Excavation	Worker	0.00	18.5	LDA,LDT1,LDT2
Grading/Shoring/Excavation	Vendor	0.00	10.2	HHDT,MHDT
Grading/Shoring/Excavation	Hauling	0.00	25.0	HHDT
Grading/Shoring/Excavation	Onsite truck	123	0.28	HHDT
Building Foundation	—	—	—	—
Building Foundation	Worker	0.00	18.5	LDA,LDT1,LDT2
Building Foundation	Vendor	0.00	10.2	HHDT,MHDT
Building Foundation	Hauling	0.00	20.0	HHDT
Building Foundation	Onsite truck	0.00	0.00	HHDT
Paving	—	—	—	—
Paving	Worker	0.00	18.5	LDA,LDT1,LDT2
Paving	Vendor	0.00	10.2	HHDT,MHDT
Paving	Hauling	0.00	20.0	HHDT
Paving	Onsite truck	0.00	0.00	HHDT

Architectural Coating	—	—	—	—
Architectural Coating	Worker	0.00	18.5	LDA,LDT1,LDT2
Architectural Coating	Vendor	0.00	10.2	HHDT,MHDT
Architectural Coating	Hauling	0.00	20.0	HHDT
Architectural Coating	Onsite truck	0.00	0.00	HHDT
Building Construction	—	—	—	—
Building Construction	Worker	0.00	18.5	LDA,LDT1,LDT2
Building Construction	Vendor	0.00	10.2	HHDT,MHDT
Building Construction	Hauling	0.00	20.0	HHDT
Building Construction	Onsite truck	0.00	0.00	HHDT

5.4. Vehicles

5.4.1. Construction Vehicle Control Strategies

Control Strategies Applied	PM10 Reduction	PM2.5 Reduction
Water unpaved roads twice daily	55%	55%
Limit vehicle speeds on unpaved roads to 25 mph	44%	44%

5.5. Architectural Coatings

Phase Name	Residential Interior Area Coated (sq ft)	Residential Exterior Area Coated (sq ft)	Non-Residential Interior Area Coated (sq ft)	Non-Residential Exterior Area Coated (sq ft)	Parking Area Coated (sq ft)
Architectural Coating	681,415	227,138	9,600	1,440	10,562

5.6. Dust Mitigation

5.6.1. Construction Earthmoving Activities

Phase Name	Material Imported (Cubic Yards)	Material Exported (Cubic Yards)	Acres Graded (acres)	Material Demolished (Building Square Footage)	Acres Paved (acres)

Demolition/Utility Relocation	0.00	0.00	0.00	0.00	—
Grading/Shoring/Excavation	0.00	73,440	0.00	0.00	—
Paving	0.00	0.00	0.00	0.00	4.04

5.6.2. Construction Earthmoving Control Strategies

Control Strategies Applied	Frequency (per day)	PM10 Reduction	PM2.5 Reduction
Water Exposed Area	3	74%	74%
Water Demolished Area	2	36%	36%

5.7. Construction Paving

Land Use	Area Paved (acres)	% Asphalt
Apartments Mid Rise	—	0%
High Turnover (Sit Down Restaurant)	0.00	0%
Recreational Swimming Pool	0.00	0%
Enclosed Parking with Elevator	4.04	100%

5.8. Construction Electricity Consumption and Emissions Factors

kWh per Year and Emission Factor (lb/MWh)

Year	kWh per Year	CO2	CH4	N2O
2027	635	406	0.05	0.01
2028	1,270	386	0.05	0.01
2029	635	365	0.05	0.01

5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres

5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

Biomass Cover Type	Initial Acres	Final Acres

5.18.2. Sequestration

5.18.2.1. Unmitigated

Tree Type	Number	Electricity Saved (kWh/year)	Natural Gas Saved (btu/year)

6. Climate Risk Detailed Report

6.1. Climate Risk Summary

Cal-Adapt midcentury 2040–2059 average projections for four hazards are reported below for your project location. These are under Representation Concentration Pathway (RCP) 8.5 which assumes GHG emissions will continue to rise strongly through 2050 and then plateau around 2100.

Climate Hazard	Result for Project Location	Unit
Temperature and Extreme Heat	9.52	annual days of extreme heat
Extreme Precipitation	6.15	annual days with precipitation above 20 mm
Sea Level Rise	—	meters of inundation depth
Wildfire	0.00	annual hectares burned

Temperature and Extreme Heat data are for grid cell in which your project are located. The projection is based on the 98th historical percentile of daily maximum/minimum temperatures from observed historical data (32 climate model ensemble from Cal-Adapt, 2040–2059 average under RCP 8.5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.
Extreme Precipitation data are for the grid cell in which your project are located. The threshold of 20 mm is equivalent to about ¾ an inch of rain, which would be light to moderate rainfall if received over a full day or heavy rain if received over a period of 2 to 4 hours. Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.
Sea Level Rise data are for the grid cell in which your project are located. The projections are from Radke et al. (2017), as reported in Cal-Adapt (Radke et al., 2017, CEC-500-2017-008), and consider inundation location and depth for the San Francisco Bay, the Sacramento-San Joaquin River Delta and California coast resulting different increments of sea level rise coupled with extreme storm events. Users may select from four scenarios to view the range in potential inundation depth for the grid cell. The four scenarios are: No rise, 0.5 meter, 1.0 meter, 1.41 meters

Wildfire data are for the grid cell in which your project are located. The projections are from UC Davis, as reported in Cal-Adapt (2040–2059 average under RCP 8.5), and consider historical data of climate, vegetation, population density, and large (> 400 ha) fire history. Users may select from four model simulations to view the range in potential wildfire probabilities for the grid cell. The four simulations make different assumptions about expected rainfall and temperature are: Warmer/drier (HadGEM2-ES), Cooler/wetter (CNRM-CM5), Average conditions (CanESM2), Range of different rainfall and temperature possibilities (MIROC5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.

6.2. Initial Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	N/A	N/A	N/A	N/A
Extreme Precipitation	N/A	N/A	N/A	N/A
Sea Level Rise	N/A	N/A	N/A	N/A
Wildfire	N/A	N/A	N/A	N/A
Flooding	N/A	N/A	N/A	N/A
Drought	N/A	N/A	N/A	N/A
Snowpack Reduction	N/A	N/A	N/A	N/A
Air Quality Degradation	N/A	N/A	N/A	N/A

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.
The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.
The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores do not include implementation of climate risk reduction measures.

6.3. Adjusted Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	N/A	N/A	N/A	N/A
Extreme Precipitation	N/A	N/A	N/A	N/A
Sea Level Rise	N/A	N/A	N/A	N/A
Wildfire	N/A	N/A	N/A	N/A
Flooding	N/A	N/A	N/A	N/A
Drought	N/A	N/A	N/A	N/A
Snowpack Reduction	N/A	N/A	N/A	N/A
Air Quality Degradation	N/A	N/A	N/A	N/A

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.
The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.
The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores include implementation of climate risk reduction measures.

6.4. Climate Risk Reduction Measures

7. Health and Equity Details

7.1. CalEnviroScreen 4.0 Scores

The maximum CalEnviroScreen score is 100. A high score (i.e., greater than 50) reflects a higher pollution burden compared to other census tracts in the state.

Indicator	Result for Project Census Tract
Exposure Indicators	—
AQ-Ozone	50.5
AQ-PM	89.2
AQ-DPM	95.5
Drinking Water	92.5
Lead Risk Housing	71.6
Pesticides	0.00
Toxic Releases	82.2
Traffic	85.9
Effect Indicators	—
CleanUp Sites	97.2
Groundwater	78.1
Haz Waste Facilities/Generators	98.8
Impaired Water Bodies	66.7
Solid Waste	96.0
Sensitive Population	—
Asthma	97.7

Cardio-vascular	65.1
Low Birth Weights	71.6
Socioeconomic Factor Indicators	—
Education	74.4
Housing	68.5
Linguistic	91.8
Poverty	75.4
Unemployment	79.7

7.2. Healthy Places Index Scores

The maximum Health Places Index score is 100. A high score (i.e., greater than 50) reflects healthier community conditions compared to other census tracts in the state.

Indicator	Result for Project Census Tract
Economic	—
Above Poverty	10.5350956
Employed	49.30065443
Median HI	4.273065572
Education	—
Bachelor's or higher	63.26190171
High school enrollment	100
Preschool enrollment	95.7141024
Transportation	—
Auto Access	1.180546644
Active commuting	97.42076222
Social	—
2-parent households	4.119081227
Voting	13.0373412
Neighborhood	—
Alcohol availability	9.5983575

Park access	81.35506224
Retail density	43.6160657
Supermarket access	82.8564096
Tree canopy	14.50019248
Housing	—
Homeownership	6.723983062
Housing habitability	0.166816374
Low-inc homeowner severe housing cost burden	1.475683306
Low-inc renter severe housing cost burden	66.38008469
Uncrowded housing	6.300526113
Health Outcomes	—
Insured adults	5.902733222
Arthritis	53.0
Asthma ER Admissions	1.4
High Blood Pressure	12.0
Cancer (excluding skin)	82.6
Asthma	21.6
Coronary Heart Disease	15.5
Chronic Obstructive Pulmonary Disease	14.4
Diagnosed Diabetes	11.3
Life Expectancy at Birth	5.1
Cognitively Disabled	13.7
Physically Disabled	6.4
Heart Attack ER Admissions	46.0
Mental Health Not Good	14.9
Chronic Kidney Disease	20.1
Obesity	9.6
Pedestrian Injuries	100.0

Physical Health Not Good	12.4
Stroke	13.0
Health Risk Behaviors	—
Binge Drinking	60.3
Current Smoker	7.4
No Leisure Time for Physical Activity	24.7
Climate Change Exposures	—
Wildfire Risk	0.0
SLR Inundation Area	0.0
Children	76.4
Elderly	97.3
English Speaking	7.7
Foreign-born	75.6
Outdoor Workers	46.0
Climate Change Adaptive Capacity	—
Impervious Surface Cover	0.0
Traffic Density	90.2
Traffic Access	87.4
Other Indices	—
Hardship	82.8
Other Decision Support	—
2016 Voting	5.0

7.3. Overall Health & Equity Scores

Metric	Result for Project Census Tract
CalEnviroScreen 4.0 Score for Project Location (a)	100
Healthy Places Index Score for Project Location (b)	14.0
Project Located in a Designated Disadvantaged Community (Senate Bill 535)	Yes

Project Located in a Low-Income Community (Assembly Bill 1550)	Yes
Project Located in a Community Air Protection Program Community (Assembly Bill 617)	No

a: The maximum CalEnviroScreen score is 100. A high score (i.e., greater than 50) reflects a higher pollution burden compared to other census tracts in the state.
b: The maximum Health Places Index score is 100. A high score (i.e., greater than 50) reflects healthier community conditions compared to other census tracts in the state.

7.4. Health & Equity Measures

No Health & Equity Measures selected.

7.5. Evaluation Scorecard

Health & Equity Evaluation Scorecard not completed.

7.6. Health & Equity Custom Measures

No Health & Equity Custom Measures created.

8. User Changes to Default Data

Screen	Justification
Construction: Construction Phases	see construction assumptions
Construction: Off-Road Equipment	see construction assumptions
Construction: Trips and VMT	see construction assumptions
Construction: On-Road Fugitive Dust	see construction assumptions
Construction: Electricity	Carbon intensity for construction years
Land Use	Project Specific

DTLA Row - Construction Onsite South Lot Building B Detailed Report

Table of Contents

1. Basic Project Information

1.1. Basic Project Information

1.2. Land Use Types

1.3. User-Selected Emission Reduction Measures by Emissions Sector

2. Emissions Summary

2.1. Construction Emissions Compared Against Thresholds

2.2. Construction Emissions by Year, Unmitigated

3. Construction Emissions Details

3.1. Demolition/Utility Relocation (2026) - Unmitigated

3.3. Grading/Shoring/Excavation (2026) - Unmitigated

3.5. Building Foundation (2026) - Unmitigated

3.7. Building Foundation (2027) - Unmitigated

3.9. Building Construction (2027) - Unmitigated

3.11. Building Construction (2028) - Unmitigated

3.13. Paving (2028) - Unmitigated

3.15. Architectural Coating (2028) - Unmitigated

4. Operations Emissions Details

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

4.10.2. Above and Belowground Carbon Accumulation by Land Use Type - Unmitigated

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

5. Activity Data

5.1. Construction Schedule

5.2. Off-Road Equipment

5.2.1. Unmitigated

5.3. Construction Vehicles

5.3.1. Unmitigated

5.4. Vehicles

5.4.1. Construction Vehicle Control Strategies

5.5. Architectural Coatings

5.6. Dust Mitigation

5.6.1. Construction Earthmoving Activities

5.6.2. Construction Earthmoving Control Strategies

5.7. Construction Paving

5.8. Construction Electricity Consumption and Emissions Factors

5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

5.18.2. Sequestration

5.18.2.1. Unmitigated

6. Climate Risk Detailed Report

6.1. Climate Risk Summary

6.2. Initial Climate Risk Scores

6.3. Adjusted Climate Risk Scores

6.4. Climate Risk Reduction Measures

7. Health and Equity Details

7.1. CalEnviroScreen 4.0 Scores

7.2. Healthy Places Index Scores

7.3. Overall Health & Equity Scores

7.4. Health & Equity Measures

7.5. Evaluation Scorecard

7.6. Health & Equity Custom Measures

8. User Changes to Default Data

1. Basic Project Information

1.1. Basic Project Information

Data Field	Value
Project Name	DTLA Row - Construction Onsite South Lot Building B
Construction Start Date	6/2/2026
Lead Agency	—
Land Use Scale	Project/site
Analysis Level for Defaults	County
Windspeed (m/s)	0.50
Precipitation (days)	18.4
Location	34.032905802980835, -118.23935798232272
County	Los Angeles-South Coast
City	Los Angeles
Air District	South Coast AQMD
Air Basin	South Coast
TAZ	4066
EDFZ	16
Electric Utility	Los Angeles Department of Water & Power
Gas Utility	Southern California Gas
App Version	2022.1.1.30

1.2. Land Use Types

Land Use Subtype	Size	Unit	Lot Acreage	Building Area (sq ft)	Landscape Area (sq ft)	Special Landscape Area (sq ft)	Population	Description
Apartments Mid Rise	214	Dwelling Unit	1.01	182,605	6,957	0.00	633	—

Recreational Swimming Pool	0.40	1000sqft	0.00	397	0.00	0.00	—	—
Enclosed Parking with Elevator	204	Space	1.84	81,600	0.00	0.00	—	—

1.3. User-Selected Emission Reduction Measures by Emissions Sector

No measures selected

2. Emissions Summary

2.1. Construction Emissions Compared Against Thresholds

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Un/Mit.	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Unmit.	8.86	19.9	33.9	0.05	0.73	12.8	13.6	0.67	1.28	1.95	5,536
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Unmit.	8.86	19.3	27.3	0.05	0.60	0.00	0.60	0.55	0.00	0.55	4,638
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—
Unmit.	3.68	6.24	9.43	0.02	0.21	1.52	1.74	0.20	0.15	0.35	1,569
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—
Unmit.	0.67	1.14	1.72	< 0.005	0.04	0.28	0.32	0.04	0.03	0.06	260

2.2. Construction Emissions by Year, Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Year	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—

2026	2.16	19.9	33.9	0.05	0.73	12.8	13.6	0.67	1.28	1.95	5,536
2027	2.13	19.3	27.3	0.05	0.55	0.00	0.55	0.50	0.00	0.50	4,638
2028	8.86	11.0	14.5	0.03	0.37	0.00	0.37	0.34	0.00	0.34	2,804
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
2026	2.14	18.6	25.8	0.05	0.60	0.00	0.60	0.55	0.00	0.55	4,342
2027	2.13	19.3	27.3	0.05	0.55	0.00	0.55	0.50	0.00	0.50	4,638
2028	8.86	11.0	14.5	0.03	0.37	0.00	0.37	0.34	0.00	0.34	2,804
Average Daily	—	—	—	—	—	—	—	—	—	—	—
2026	0.70	6.24	9.43	0.02	0.21	1.52	1.74	0.20	0.15	0.35	1,569
2027	0.41	4.05	5.52	0.01	0.10	0.00	0.10	0.09	0.00	0.09	952
2028	3.68	4.07	5.39	0.01	0.14	0.00	0.14	0.13	0.00	0.13	1,045
Annual	—	—	—	—	—	—	—	—	—	—	—
2026	0.13	1.14	1.72	< 0.005	0.04	0.28	0.32	0.04	0.03	0.06	260
2027	0.08	0.74	1.01	< 0.005	0.02	0.00	0.02	0.02	0.00	0.02	158
2028	0.67	0.74	0.98	< 0.005	0.03	0.00	0.03	0.02	0.00	0.02	173

3. Construction Emissions Details

3.1. Demolition/Utility Relocation (2026) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.97	8.51	13.8	0.02	0.32	—	0.32	0.30	—	0.30	2,127
Demolition	—	—	—	—	—	0.00	0.00	—	0.00	0.00	—
Onsite truck	0.01	0.18	0.13	< 0.005	< 0.005	0.84	0.84	< 0.005	0.08	0.08	33.0

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.11	0.96	1.55	< 0.005	0.04	—	0.04	0.03	—	0.03	239
Demolition	—	—	—	—	—	0.00	0.00	—	0.00	0.00	—
Onsite truck	< 0.005	0.02	0.01	< 0.005	< 0.005	0.09	0.09	< 0.005	0.01	0.01	3.72
Annual	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.17	0.28	< 0.005	0.01	—	0.01	0.01	—	0.01	39.6
Demolition	—	—	—	—	—	0.00	0.00	—	0.00	0.00	—
Onsite truck	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	< 0.005	0.62
Offsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.3. Grading/Shoring/Excavation (2026) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.10	9.38	18.6	0.03	0.40	—	0.40	0.37	—	0.37	3,035
Dust From Material Movement	—	—	—	—	—	< 0.005	< 0.005	—	< 0.005	< 0.005	—
Onsite truck	0.08	1.84	1.35	< 0.005	< 0.005	12.0	12.0	< 0.005	1.20	1.20	341
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.14	1.18	2.34	< 0.005	0.05	—	0.05	0.05	—	0.05	382
Dust From Material Movement	—	—	—	—	—	< 0.005	< 0.005	—	< 0.005	< 0.005	—
Onsite truck	0.01	0.24	0.17	< 0.005	< 0.005	1.43	1.43	< 0.005	0.14	0.14	43.2
Annual	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.03	0.22	0.43	< 0.005	0.01	—	0.01	0.01	—	0.01	63.3
Dust From Material Movement	—	—	—	—	—	< 0.005	< 0.005	—	< 0.005	< 0.005	—
Onsite truck	< 0.005	0.04	0.03	< 0.005	< 0.005	0.26	0.26	< 0.005	0.03	0.03	7.15
Offsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.5. Building Foundation (2026) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.14	18.6	25.8	0.05	0.60	—	0.60	0.55	—	0.55	4,342
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.14	18.6	25.8	0.05	0.60	—	0.60	0.55	—	0.55	4,342
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.44	3.85	5.35	0.01	0.12	—	0.12	0.11	—	0.11	901
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	0.08	0.70	0.98	< 0.005	0.02	—	0.02	0.02	—	0.02	149
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.7. Building Foundation (2027) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	2.05	17.9	25.7	0.05	0.54	—	0.54	0.49	—	0.49	4,341
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.05	17.9	25.7	0.05	0.54	—	0.54	0.49	—	0.49	4,341
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.37	3.22	4.63	0.01	0.10	—	0.10	0.09	—	0.09	782
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.07	0.59	0.85	< 0.005	0.02	—	0.02	0.02	—	0.02	129
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Annual	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.9. Building Construction (2027) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.08	1.44	1.54	< 0.005	0.01	—	0.01	0.01	—	0.01	296
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.08	1.44	1.54	< 0.005	0.01	—	0.01	0.01	—	0.01	296
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.04	0.83	0.89	< 0.005	0.01	—	0.01	0.01	—	0.01	170
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.15	0.16	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	28.2
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.11. Building Construction (2028) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.08	1.44	1.55	< 0.005	0.01	—	0.01	0.01	—	0.01	296
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.08	1.44	1.55	< 0.005	0.01	—	0.01	0.01	—	0.01	296
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Average Daily	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.44	0.47	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	89.9
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	0.08	0.09	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	14.9
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.13. Paving (2028) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.06	9.53	12.9	0.02	0.36	—	0.36	0.33	—	0.33	2,507
Paving	0.03	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.06	9.53	12.9	0.02	0.36	—	0.36	0.33	—	0.33	2,507
Paving	0.03	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.41	3.63	4.92	0.01	0.14	—	0.14	0.13	—	0.13	955
Paving	0.01	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.07	0.66	0.90	< 0.005	0.03	—	0.03	0.02	—	0.02	158
Paving	< 0.005	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.15. Architectural Coating (2028) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	7.69	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	7.69	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—

Architectural Coatings	3.24	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.59	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

4. Operations Emissions Details

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Vegetation	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—

4.10.2. Above and Belowground Carbon Accumulation by Land Use Type - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Species	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—

5. Activity Data

5.1. Construction Schedule

Phase Name	Phase Type	Start Date	End Date	Days Per Week	Work Days per Phase	Phase Description
Demolition/Utility Relocation	Demolition	6/2/2026	7/28/2026	5.00	41.0	—
Grading/Shoring/Excavation	Grading	7/15/2026	9/16/2026	5.00	46.0	—
Building Foundation	Building Construction	9/17/2026	4/2/2027	5.00	142	—
Building Construction	Building Construction	3/13/2027	6/3/2028	5.00	320	—
Paving	Paving	1/22/2028	8/3/2028	5.00	139	—
Architectural Coating	Architectural Coating	1/1/2028	8/3/2028	5.00	154	—

5.2. Off-Road Equipment

5.2.1. Unmitigated

Phase Name	Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
Demolition/Utility Relocation	Air Compressors	Diesel	Average	2.00	8.00	37.0	0.48
Demolition/Utility Relocation	Excavators	Diesel	Average	1.00	8.00	158	0.38
Demolition/Utility Relocation	Generator Sets	Diesel	Average	1.00	8.00	14.0	0.74
Demolition/Utility Relocation	Other Construction Equipment	Diesel	Average	1.00	8.00	82.0	0.42
Demolition/Utility Relocation	Skid Steer Loaders	Diesel	Average	2.00	8.00	71.0	0.37
Demolition/Utility Relocation	Tractors/Loaders/Backhoes	Diesel	Average	1.00	8.00	84.0	0.37
Grading/Shoring/Excavation	Bore/Drill Rigs	Diesel	Average	1.00	8.00	83.0	0.50
Grading/Shoring/Excavation	Excavators	Diesel	Average	2.00	8.00	158	0.38

Grading/Shoring/Exca	Other Construction Equipment	Diesel	Average	1.00	8.00	82.0	0.42
Grading/Shoring/Excavation	Plate Compactors	Diesel	Average	2.00	8.00	8.00	0.43
Grading/Shoring/Excavation	Rollers	Diesel	Average	1.00	8.00	36.0	0.38
Grading/Shoring/Excavation	Rubber Tired Loaders	Diesel	Average	1.00	8.00	150	0.36
Grading/Shoring/Excavation	Skid Steer Loaders	Diesel	Average	2.00	8.00	71.0	0.37
Building Foundation	Air Compressors	Diesel	Average	2.00	8.00	37.0	0.48
Building Foundation	Cement and Mortar Mixers	Diesel	Average	1.00	8.00	10.0	0.56
Building Foundation	Concrete/Industrial Saws	Diesel	Average	2.00	8.00	33.0	0.73
Building Foundation	Cranes	Diesel	Average	1.00	8.00	367	0.29
Building Foundation	Excavators	Diesel	Average	1.00	8.00	158	0.38
Building Foundation	Forklifts	Diesel	Average	2.00	8.00	82.0	0.20
Building Foundation	Pumps	Diesel	Average	1.00	8.00	11.0	0.74
Building Foundation	Plate Compactors	Diesel	Average	2.00	8.00	8.00	0.43
Building Foundation	Rough Terrain Forklifts	Diesel	Average	2.00	8.00	96.0	0.40
Building Foundation	Tractors/Loaders/Backhoes	Diesel	Average	1.00	8.00	84.0	0.37
Building Foundation	Welders	Diesel	Average	2.00	8.00	46.0	0.45
Building Construction	Aerial Lifts	Diesel	Average	2.00	8.00	46.0	0.31
Paving	Cranes	Diesel	Average	1.00	8.00	367	0.29
Paving	Other Construction Equipment	Diesel	Average	1.00	8.00	82.0	0.42
Paving	Paving Equipment	Diesel	Average	1.00	8.00	89.0	0.36
Paving	Plate Compactors	Diesel	Average	2.00	8.00	8.00	0.43
Paving	Rollers	Diesel	Average	1.00	8.00	36.0	0.38
Paving	Signal Boards	Diesel	Average	2.00	8.00	6.00	0.82

Paving	Tractors/Loaders/Back	Diesel	Average	2.00	8.00	84.0	0.37

5.3. Construction Vehicles

5.3.1. Unmitigated

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix
Demolition/Utility Relocation	—	—	—	—
Demolition/Utility Relocation	Worker	0.00	18.5	LDA,LDT1,LDT2
Demolition/Utility Relocation	Vendor	0.00	10.2	HHDT,MHDT
Demolition/Utility Relocation	Hauling	0.00	25.0	HHDT
Demolition/Utility Relocation	Onsite truck	12.0	0.28	HHDT
Grading/Shoring/Excavation	—	—	—	—
Grading/Shoring/Excavation	Worker	0.00	18.5	LDA,LDT1,LDT2
Grading/Shoring/Excavation	Vendor	0.00	10.2	HHDT,MHDT
Grading/Shoring/Excavation	Hauling	0.00	25.0	HHDT
Grading/Shoring/Excavation	Onsite truck	124	0.28	HHDT
Building Foundation	—	—	—	—
Building Foundation	Worker	0.00	18.5	LDA,LDT1,LDT2
Building Foundation	Vendor	0.00	10.2	HHDT,MHDT
Building Foundation	Hauling	0.00	20.0	HHDT
Building Foundation	Onsite truck	0.00	0.00	HHDT
Paving	—	—	—	—
Paving	Worker	0.00	18.5	LDA,LDT1,LDT2
Paving	Vendor	0.00	10.2	HHDT,MHDT
Paving	Hauling	0.00	20.0	HHDT
Paving	Onsite truck	0.00	0.00	HHDT
Architectural Coating	—	—	—	—
Architectural Coating	Worker	0.00	18.5	LDA,LDT1,LDT2

Architectural Coating	Vendor	0.00	10.2	HHDT,MHDT
Architectural Coating	Hauling	0.00	20.0	HHDT
Architectural Coating	Onsite truck	0.00	0.00	HHDT
Building Construction	—	—	—	—
Building Construction	Worker	0.00	18.5	LDA,LDT1,LDT2
Building Construction	Vendor	0.00	10.2	HHDT,MHDT
Building Construction	Hauling	0.00	20.0	HHDT
Building Construction	Onsite truck	0.00	0.00	HHDT

5.4. Vehicles

5.4.1. Construction Vehicle Control Strategies

Control Strategies Applied	PM10 Reduction	PM2.5 Reduction
Water unpaved roads twice daily	55%	55%
Limit vehicle speeds on unpaved roads to 25 mph	44%	44%

5.5. Architectural Coatings

Phase Name	Residential Interior Area Coated (sq ft)	Residential Exterior Area Coated (sq ft)	Non-Residential Interior Area Coated (sq ft)	Non-Residential Exterior Area Coated (sq ft)	Parking Area Coated (sq ft)
Architectural Coating	369,775	123,258	3,599	400	4,799

5.6. Dust Mitigation

5.6.1. Construction Earthmoving Activities

Phase Name	Material Imported (Cubic Yards)	Material Exported (Cubic Yards)	Acres Graded (acres)	Material Demolished (Building Square Footage)	Acres Paved (acres)
Demolition/Utility Relocation	0.00	0.00	0.00	0.00	—
Grading/Shoring/Excavation	0.00	42,960	0.00	0.00	—

Paving	0.00	0.00	0.00	0.00	1.84

5.6.2. Construction Earthmoving Control Strategies

Control Strategies Applied	Frequency (per day)	PM10 Reduction	PM2.5 Reduction
Water Exposed Area	3	74%	74%
Water Demolished Area	2	36%	36%

5.7. Construction Paving

Land Use	Area Paved (acres)	% Asphalt
Apartments Mid Rise	—	0%
Recreational Swimming Pool	0.00	0%
Enclosed Parking with Elevator	1.84	100%

5.8. Construction Electricity Consumption and Emissions Factors

kWh per Year and Emission Factor (lb/MWh)

Year	kWh per Year	CO2	CH4	N2O
2027	0.00	690	0.05	0.01
2028	0.00	690	0.05	0.01
2026	0.00	690	0.05	0.01

5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres

5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

Biomass Cover Type	Initial Acres	Final Acres

5.18.2. Sequestration

5.18.2.1. Unmitigated

Tree Type	Number	Electricity Saved (kWh/year)	Natural Gas Saved (btu/year)

6. Climate Risk Detailed Report

6.1. Climate Risk Summary

Cal-Adapt midcentury 2040–2059 average projections for four hazards are reported below for your project location. These are under Representation Concentration Pathway (RCP) 8.5 which assumes GHG emissions will continue to rise strongly through 2050 and then plateau around 2100.

Climate Hazard	Result for Project Location	Unit
Temperature and Extreme Heat	9.52	annual days of extreme heat
Extreme Precipitation	6.15	annual days with precipitation above 20 mm
Sea Level Rise	—	meters of inundation depth
Wildfire	0.00	annual hectares burned

Temperature and Extreme Heat data are for grid cell in which your project are located. The projection is based on the 98th historical percentile of daily maximum/minimum temperatures from observed historical data (32 climate model ensemble from Cal-Adapt, 2040–2059 average under RCP 8.5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.
Extreme Precipitation data are for the grid cell in which your project are located. The threshold of 20 mm is equivalent to about ¾ an inch of rain, which would be light to moderate rainfall if received over a full day or heavy rain if received over a period of 2 to 4 hours. Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.
Sea Level Rise data are for the grid cell in which your project are located. The projections are from Radke et al. (2017), as reported in Cal-Adapt (Radke et al., 2017, CEC-500-2017-008), and consider inundation location and depth for the San Francisco Bay, the Sacramento-San Joaquin River Delta and California coast resulting different increments of sea level rise coupled with extreme storm events. Users may select from four scenarios to view the range in potential inundation depth for the grid cell. The four scenarios are: No rise, 0.5 meter, 1.0 meter, 1.41 meters
Wildfire data are for the grid cell in which your project are located. The projections are from UC Davis, as reported in Cal-Adapt (2040–2059 average under RCP 8.5), and consider historical data of climate, vegetation, population density, and large (> 400 ha) fire history. Users may select from four model simulations to view the range in potential wildfire probabilities for the grid cell. The four simulations make different assumptions about expected rainfall and temperature are: Warmer/drier (HadGEM2-ES), Cooler/wetter (CNRM-CM5), Average conditions (CanESM2), Range of different rainfall and temperature possibilities (MIROC5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.

6.2. Initial Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	N/A	N/A	N/A	N/A
Extreme Precipitation	N/A	N/A	N/A	N/A
Sea Level Rise	N/A	N/A	N/A	N/A
Wildfire	N/A	N/A	N/A	N/A
Flooding	N/A	N/A	N/A	N/A
Drought	N/A	N/A	N/A	N/A
Snowpack Reduction	N/A	N/A	N/A	N/A
Air Quality Degradation	N/A	N/A	N/A	N/A

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.
The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.
The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores do not include implementation of climate risk reduction measures.

6.3. Adjusted Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	N/A	N/A	N/A	N/A
Extreme Precipitation	N/A	N/A	N/A	N/A
Sea Level Rise	N/A	N/A	N/A	N/A
Wildfire	N/A	N/A	N/A	N/A
Flooding	N/A	N/A	N/A	N/A
Drought	N/A	N/A	N/A	N/A
Snowpack Reduction	N/A	N/A	N/A	N/A
Air Quality Degradation	N/A	N/A	N/A	N/A

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.

The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.
The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores include implementation of climate risk reduction measures.

6.4. Climate Risk Reduction Measures

7. Health and Equity Details

7.1. CalEnviroScreen 4.0 Scores

The maximum CalEnviroScreen score is 100. A high score (i.e., greater than 50) reflects a higher pollution burden compared to other census tracts in the state.

Indicator	Result for Project Census Tract
Exposure Indicators	—
AQ-Ozone	50.5
AQ-PM	89.2
AQ-DPM	95.5
Drinking Water	92.5
Lead Risk Housing	71.6
Pesticides	0.00
Toxic Releases	82.2
Traffic	85.9
Effect Indicators	—
CleanUp Sites	97.2
Groundwater	78.1
Haz Waste Facilities/Generators	98.8
Impaired Water Bodies	66.7
Solid Waste	96.0
Sensitive Population	—
Asthma	97.7
Cardio-vascular	65.1
Low Birth Weights	71.6

Socioeconomic Factor Indicators	—
Education	74.4
Housing	68.5
Linguistic	91.8
Poverty	75.4
Unemployment	79.7

7.2. Healthy Places Index Scores

The maximum Health Places Index score is 100. A high score (i.e., greater than 50) reflects healthier community conditions compared to other census tracts in the state.

Indicator	Result for Project Census Tract
Economic	—
Above Poverty	10.5350956
Employed	49.30065443
Median HI	4.273065572
Education	—
Bachelor's or higher	63.26190171
High school enrollment	100
Preschool enrollment	95.7141024
Transportation	—
Auto Access	1.180546644
Active commuting	97.42076222
Social	—
2-parent households	4.119081227
Voting	13.0373412
Neighborhood	—
Alcohol availability	9.5983575
Park access	81.35506224
Retail density	43.6160657

Supermarket access	82.8564096
Tree canopy	14.50019248
Housing	—
Homeownership	6.723983062
Housing habitability	0.166816374
Low-inc homeowner severe housing cost burden	1.475683306
Low-inc renter severe housing cost burden	66.38008469
Uncrowded housing	6.300526113
Health Outcomes	—
Insured adults	5.902733222
Arthritis	53.0
Asthma ER Admissions	1.4
High Blood Pressure	12.0
Cancer (excluding skin)	82.6
Asthma	21.6
Coronary Heart Disease	15.5
Chronic Obstructive Pulmonary Disease	14.4
Diagnosed Diabetes	11.3
Life Expectancy at Birth	5.1
Cognitively Disabled	13.7
Physically Disabled	6.4
Heart Attack ER Admissions	46.0
Mental Health Not Good	14.9
Chronic Kidney Disease	20.1
Obesity	9.6
Pedestrian Injuries	100.0
Physical Health Not Good	12.4
Stroke	13.0

Health Risk Behaviors	—
Binge Drinking	60.3
Current Smoker	7.4
No Leisure Time for Physical Activity	24.7
Climate Change Exposures	—
Wildfire Risk	0.0
SLR Inundation Area	0.0
Children	76.4
Elderly	97.3
English Speaking	7.7
Foreign-born	75.6
Outdoor Workers	46.0
Climate Change Adaptive Capacity	—
Impervious Surface Cover	0.0
Traffic Density	90.2
Traffic Access	87.4
Other Indices	—
Hardship	82.8
Other Decision Support	—
2016 Voting	5.0

7.3. Overall Health & Equity Scores

Metric	Result for Project Census Tract
CalEnviroScreen 4.0 Score for Project Location (a)	100
Healthy Places Index Score for Project Location (b)	14.0
Project Located in a Designated Disadvantaged Community (Senate Bill 535)	Yes
Project Located in a Low-Income Community (Assembly Bill 1550)	Yes
Project Located in a Community Air Protection Program Community (Assembly Bill 617)	No

a: The maximum CalEnviroScreen score is 100. A high score (i.e., greater than 50) reflects a higher pollution burden compared to other census tracts in the state.
b: The maximum Health Places Index score is 100. A high score (i.e., greater than 50) reflects healthier community conditions compared to other census tracts in the state.

7.4. Health & Equity Measures

No Health & Equity Measures selected.

7.5. Evaluation Scorecard

Health & Equity Evaluation Scorecard not completed.

7.6. Health & Equity Custom Measures

No Health & Equity Custom Measures created.

8. User Changes to Default Data

Screen	Justification
Construction: Construction Phases	see construction assumptions
Construction: Off-Road Equipment	see construction assumptions
Construction: Trips and VMT	see construction assumptions
Construction: On-Road Fugitive Dust	see construction assumptions
Construction: Electricity	Carbon intensity for construction years
Land Use	Project Specific

DTLA Row - Construction Onsite North Lot Detailed Report

Table of Contents

1. Basic Project Information

1.1. Basic Project Information

1.2. Land Use Types

1.3. User-Selected Emission Reduction Measures by Emissions Sector

2. Emissions Summary

2.1. Construction Emissions Compared Against Thresholds

2.2. Construction Emissions by Year, Unmitigated

3. Construction Emissions Details

3.1. Demolition (2030) - Unmitigated

3.3. Grading & Utilities (2030) - Unmitigated

3.5. Foundation/Structure (2030) - Unmitigated

3.7. Foundation/Structure (2031) - Unmitigated

3.9. Interior (2031) - Unmitigated

3.11. Interior (2032) - Unmitigated

3.13. Paving (2032) - Unmitigated

3.15. Architectural Coating (2032) - Unmitigated

4. Operations Emissions Details

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

4.10.2. Above and Belowground Carbon Accumulation by Land Use Type - Unmitigated

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

5. Activity Data

5.1. Construction Schedule

5.2. Off-Road Equipment

5.2.1. Unmitigated

5.3. Construction Vehicles

5.3.1. Unmitigated

5.4. Vehicles

5.4.1. Construction Vehicle Control Strategies

5.5. Architectural Coatings

5.6. Dust Mitigation

5.6.1. Construction Earthmoving Activities

5.6.2. Construction Earthmoving Control Strategies

5.7. Construction Paving

5.8. Construction Electricity Consumption and Emissions Factors

5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

5.18.2. Sequestration

5.18.2.1. Unmitigated

6. Climate Risk Detailed Report

6.1. Climate Risk Summary

6.2. Initial Climate Risk Scores

6.3. Adjusted Climate Risk Scores

6.4. Climate Risk Reduction Measures

7. Health and Equity Details

7.1. CalEnviroScreen 4.0 Scores

7.2. Healthy Places Index Scores

7.3. Overall Health & Equity Scores

7.4. Health & Equity Measures

7.5. Evaluation Scorecard

7.6. Health & Equity Custom Measures

8. User Changes to Default Data

1. Basic Project Information

1.1. Basic Project Information

Data Field	Value
Project Name	DTLA Row - Construction Onsite North Lot
Construction Start Date	6/3/2030
Lead Agency	—
Land Use Scale	Project/site
Analysis Level for Defaults	County
Windspeed (m/s)	0.50
Precipitation (days)	18.4
Location	34.03405422200548, -118.23913673357617
County	Los Angeles-South Coast
City	Los Angeles
Air District	South Coast AQMD
Air Basin	South Coast
TAZ	4066
EDFZ	16
Electric Utility	Los Angeles Department of Water & Power
Gas Utility	Southern California Gas
App Version	2022.1.1.30

1.2. Land Use Types

Land Use Subtype	Size	Unit	Lot Acreage	Building Area (sq ft)	Landscape Area (sq ft)	Special Landscape Area (sq ft)	Population	Description
Apartments Mid Rise	376	Dwelling Unit	1.97	318,626	10,736	0.00	1,113	—

High Turnover (Sit Down Restaurant)	5.43	1000sqft	0.00	5,428	0.00	0.00	—	—
Recreational Swimming Pool	0.38	1000sqft	0.00	376	0.00	0.00	—	—
Enclosed Parking with Elevator	439	Space	3.95	175,600	0.00	0.00	—	—

1.3. User-Selected Emission Reduction Measures by Emissions Sector

No measures selected

2. Emissions Summary

2.1. Construction Emissions Compared Against Thresholds

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Un/Mit.	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Unmit.	13.2	21.3	37.6	0.06	0.59	3.73	4.33	0.55	0.37	0.92	6,510
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Unmit.	13.2	21.4	37.7	0.06	0.59	3.73	4.33	0.55	0.37	0.92	6,517
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—
Unmit.	6.24	6.77	10.4	0.02	0.16	0.85	1.01	0.15	0.08	0.24	1,896
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—
Unmit.	1.14	1.23	1.90	< 0.005	0.03	0.15	0.18	0.03	0.02	0.04	314

2.2. Construction Emissions by Year, Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Year	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e

Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
2030	2.36	21.3	37.6	0.06	0.59	3.73	4.33	0.55	0.37	0.92	6,510
2031	1.37	12.4	19.3	0.04	0.31	1.67	1.98	0.28	0.17	0.45	3,511
2032	13.2	7.62	11.1	0.02	0.25	0.00	0.25	0.23	0.00	0.23	2,280
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
2030	2.34	21.4	37.7	0.06	0.59	3.73	4.33	0.55	0.37	0.92	6,517
2031	1.36	12.5	19.3	0.04	0.31	1.67	1.98	0.28	0.17	0.45	3,514
2032	13.2	7.62	11.1	0.02	0.25	0.00	0.25	0.23	0.00	0.23	2,280
Average Daily	—	—	—	—	—	—	—	—	—	—	—
2030	0.54	4.89	8.72	0.01	0.14	0.79	0.93	0.13	0.08	0.21	1,499
2031	0.73	6.77	10.4	0.02	0.16	0.85	1.01	0.15	0.08	0.24	1,896
2032	6.24	3.27	4.83	0.01	0.11	0.00	0.11	0.10	0.00	0.10	993
Annual	—	—	—	—	—	—	—	—	—	—	—
2030	0.10	0.89	1.59	< 0.005	0.03	0.14	0.17	0.02	0.01	0.04	248
2031	0.13	1.23	1.90	< 0.005	0.03	0.15	0.18	0.03	0.02	0.04	314
2032	1.14	0.60	0.88	< 0.005	0.02	0.00	0.02	0.02	0.00	0.02	164

3. Construction Emissions Details

3.1. Demolition (2030) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.66	5.69	10.8	0.02	0.19	—	0.19	0.17	—	0.17	1,702

Demolition	—	—	—	—	—	0.04	0.04	—	0.01	0.01	—
Onsite truck	0.01	0.16	0.13	< 0.005	< 0.005	0.20	0.20	< 0.005	0.02	0.02	23.6
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.03	0.27	0.50	< 0.005	0.01	—	0.01	0.01	—	0.01	79.3
Demolition	—	—	—	—	—	< 0.005	< 0.005	—	< 0.005	< 0.005	—
Onsite truck	< 0.005	0.01	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	1.11
Annual	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.05	0.09	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	13.1
Demolition	—	—	—	—	—	< 0.005	< 0.005	—	< 0.005	< 0.005	—
Onsite truck	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.18
Offsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.3. Grading & Utilities (2030) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.89	6.82	16.9	0.03	0.27	—	0.27	0.24	—	0.24	2,754
Dust From Material Movement	—	—	—	—	—	< 0.005	< 0.005	—	< 0.005	< 0.005	—
Onsite truck	0.08	1.66	1.33	< 0.005	< 0.005	2.06	2.06	< 0.005	0.21	0.21	242
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.89	6.82	16.9	0.03	0.27	—	0.27	0.24	—	0.24	2,754
Dust From Material Movement	—	—	—	—	—	< 0.005	< 0.005	—	< 0.005	< 0.005	—
Onsite truck	0.07	1.75	1.37	< 0.005	< 0.005	2.06	2.06	< 0.005	0.21	0.21	246
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.20	1.55	3.85	0.01	0.06	—	0.06	0.06	—	0.06	626
Dust From Material Movement	—	—	—	—	—	< 0.005	< 0.005	—	< 0.005	< 0.005	—
Onsite truck	0.02	0.39	0.31	< 0.005	< 0.005	0.44	0.44	< 0.005	0.04	0.04	55.4
Annual	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.04	0.28	0.70	< 0.005	0.01	—	0.01	0.01	—	0.01	104
Dust From Material Movement	—	—	—	—	—	< 0.005	< 0.005	—	< 0.005	< 0.005	—

Onsite truck	< 0.005	0.07	0.06	< 0.005	< 0.005	0.08	0.08	< 0.005	0.01	0.01	9.17
Offsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.5. Foundation/Structure (2030) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.33	11.4	18.3	0.03	0.33	—	0.33	0.30	—	0.30	3,316

Onsite truck	0.06	1.35	1.08	< 0.005	< 0.005	1.67	1.67	< 0.005	0.17	0.17	197
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.33	11.4	18.3	0.03	0.33	—	0.33	0.30	—	0.30	3,316
Onsite truck	0.06	1.42	1.11	< 0.005	< 0.005	1.67	1.67	< 0.005	0.17	0.17	200
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.28	2.39	3.83	0.01	0.07	—	0.07	0.06	—	0.06	694
Onsite truck	0.01	0.29	0.23	< 0.005	< 0.005	0.33	0.33	< 0.005	0.03	0.03	41.5
Annual	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.05	0.44	0.70	< 0.005	0.01	—	0.01	0.01	—	0.01	115
Onsite truck	< 0.005	0.05	0.04	< 0.005	< 0.005	0.06	0.06	< 0.005	0.01	0.01	6.87
Offsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.7. Foundation/Structure (2031) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.30	11.1	18.2	0.03	0.31	—	0.31	0.28	—	0.28	3,316
Onsite truck	0.06	1.33	1.08	< 0.005	< 0.005	1.67	1.67	< 0.005	0.17	0.17	194
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.30	11.1	18.2	0.03	0.31	—	0.31	0.28	—	0.28	3,316
Onsite truck	0.06	1.41	1.11	< 0.005	< 0.005	1.67	1.67	< 0.005	0.17	0.17	197
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.69	5.91	9.70	0.02	0.16	—	0.16	0.15	—	0.15	1,765
Onsite truck	0.03	0.73	0.58	< 0.005	< 0.005	0.85	0.85	< 0.005	0.08	0.09	104
Annual	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.13	1.08	1.77	< 0.005	0.03	—	0.03	0.03	—	0.03	292
Onsite truck	0.01	0.13	0.11	< 0.005	< 0.005	0.15	0.15	< 0.005	0.02	0.02	17.2
Offsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.9. Interior (2031) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.04	0.72	0.77	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	148
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.04	0.72	0.77	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	148
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	0.01	0.13	0.14	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	27.0
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	0.02	0.03	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	4.46
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.11. Interior (2032) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.04	0.72	0.77	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	148
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.04	0.72	0.77	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	148
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.14	0.16	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	29.9
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	0.03	0.03	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	4.94
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Average Daily	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.13. Paving (2032) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.80	6.90	10.3	0.02	0.25	—	0.25	0.23	—	0.23	2,131
Paving	0.06	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.80	6.90	10.3	0.02	0.25	—	0.25	0.23	—	0.23	2,131
Paving	0.06	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.36	3.12	4.67	0.01	0.11	—	0.11	0.10	—	0.10	964
Paving	0.03	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Annual	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.07	0.57	0.85	< 0.005	0.02	—	0.02	0.02	—	0.02	160
Paving	0.01	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.15. Architectural Coating (2032) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	12.3	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	12.3	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	5.84	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	1.07	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

4. Operations Emissions Details

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Vegetation	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—

4.10.2. Above and Belowground Carbon Accumulation by Land Use Type - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Species	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—

Subtotal	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—

5. Activity Data

5.1. Construction Schedule

Phase Name	Phase Type	Start Date	End Date	Days Per Week	Work Days per Phase	Phase Description
Demolition	Demolition	6/3/2030	6/25/2030	5.00	17.0	—
Grading & Utilities	Grading	6/9/2030	10/2/2030	5.00	83.0	—
Foundation/Structure	Building Construction	9/16/2030	9/29/2031	5.00	271	—
Interior	Building Construction	9/30/2031	4/12/2032	5.00	140	—
Paving	Paving	1/13/2032	8/30/2032	5.00	165	—
Architectural Coating	Architectural Coating	1/1/2032	8/30/2032	5.00	173	—

5.2. Off-Road Equipment

5.2.1. Unmitigated

Phase Name	Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
Demolition	Air Compressors	Diesel	Average	1.00	8.00	37.0	0.48
Demolition	Excavators	Diesel	Average	1.00	8.00	158	0.38
Demolition	Generator Sets	Diesel	Average	1.00	8.00	14.0	0.74
Demolition	Other Construction Equipment	Diesel	Average	1.00	8.00	82.0	0.42
Demolition	Skid Steer Loaders	Diesel	Average	1.00	8.00	71.0	0.37

Demolition	Tractors/Loaders/Back	Diesel	Average	1.00	8.00	84.0	0.37
Grading & Utilities	Bore/Drill Rigs	Diesel	Average	1.00	8.00	83.0	0.50
Grading & Utilities	Excavators	Diesel	Average	2.00	8.00	158	0.38
Grading & Utilities	Other Construction Equipment	Diesel	Average	1.00	8.00	82.0	0.42
Grading & Utilities	Plate Compactors	Diesel	Average	1.00	8.00	8.00	0.43
Grading & Utilities	Rollers	Diesel	Average	1.00	8.00	36.0	0.38
Grading & Utilities	Rubber Tired Loaders	Diesel	Average	1.00	8.00	150	0.36
Grading & Utilities	Skid Steer Loaders	Diesel	Average	1.00	8.00	71.0	0.37
Foundation/Structure	Air Compressors	Diesel	Average	1.00	8.00	37.0	0.48
Foundation/Structure	Cement and Mortar Mixers	Diesel	Average	1.00	8.00	10.0	0.56
Foundation/Structure	Concrete/Industrial Saws	Diesel	Average	1.00	8.00	33.0	0.73
Foundation/Structure	Cranes	Diesel	Average	1.00	8.00	367	0.29
Foundation/Structure	Cranes	Electric	Average	1.00	8.00	367	0.29
Foundation/Structure	Excavators	Diesel	Average	1.00	8.00	158	0.38
Foundation/Structure	Forklifts	Diesel	Average	2.00	8.00	82.0	0.20
Foundation/Structure	Pumps	Diesel	Average	1.00	8.00	11.0	0.74
Foundation/Structure	Plate Compactors	Diesel	Average	1.00	8.00	8.00	0.43
Foundation/Structure	Rough Terrain Forklifts	Diesel	Average	1.00	8.00	96.0	0.40
Foundation/Structure	Tractors/Loaders/Back hoes	Diesel	Average	1.00	8.00	84.0	0.37
Foundation/Structure	Welders	Diesel	Average	1.00	8.00	46.0	0.45
Interior	Aerial Lifts	Diesel	Average	1.00	8.00	46.0	0.31
Paving	Cranes	Diesel	Average	1.00	8.00	367	0.29
Paving	Other Construction Equipment	Diesel	Average	1.00	8.00	82.0	0.42
Paving	Paving Equipment	Diesel	Average	1.00	8.00	89.0	0.36
Paving	Plate Compactors	Diesel	Average	1.00	8.00	8.00	0.43

Paving	Rollers	Diesel	Average	1.00	8.00	36.0	0.38
Paving	Signal Boards	Diesel	Average	1.00	8.00	6.00	0.82
Paving	Tractors/Loaders/Backhoes	Diesel	Average	1.00	8.00	84.0	0.37

5.3. Construction Vehicles

5.3.1. Unmitigated

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix
Demolition	—	—	—	—
Demolition	Worker	0.00	18.5	LDA,LDT1,LDT2
Demolition	Vendor	0.00	10.2	HHDT,MHDT
Demolition	Hauling	0.00	25.0	HHDT
Demolition	Onsite truck	12.0	0.09	HHDT
Grading & Utilities	—	—	—	—
Grading & Utilities	Worker	0.00	18.5	LDA,LDT1,LDT2
Grading & Utilities	Vendor	0.00	10.2	HHDT,MHDT
Grading & Utilities	Hauling	0.00	21.0	HHDT
Grading & Utilities	Onsite truck	123	0.09	HHDT
Foundation/Structure	—	—	—	—
Foundation/Structure	Worker	0.00	18.5	LDA,LDT1,LDT2
Foundation/Structure	Vendor	0.00	10.2	HHDT,MHDT
Foundation/Structure	Hauling	0.00	20.0	HHDT
Foundation/Structure	Onsite truck	100	0.09	HHDT
Paving	—	—	—	—
Paving	Worker	0.00	18.5	LDA,LDT1,LDT2
Paving	Vendor	0.00	10.2	HHDT,MHDT
Paving	Hauling	0.00	20.0	HHDT
Paving	Onsite truck	0.00	—	HHDT

Architectural Coating	—	—	—	—
Architectural Coating	Worker	0.00	18.5	LDA,LDT1,LDT2
Architectural Coating	Vendor	0.00	10.2	HHDT,MHDT
Architectural Coating	Hauling	0.00	20.0	HHDT
Architectural Coating	Onsite truck	0.00	—	HHDT
Interior	—	—	—	—
Interior	Worker	0.00	18.5	LDA,LDT1,LDT2
Interior	Vendor	0.00	10.2	HHDT,MHDT
Interior	Hauling	0.00	20.0	HHDT
Interior	Onsite truck	0.00	—	HHDT

5.4. Vehicles

5.4.1. Construction Vehicle Control Strategies

Control Strategies Applied	PM10 Reduction	PM2.5 Reduction
Water unpaved roads twice daily	55%	55%
Limit vehicle speeds on unpaved roads to 25 mph	44%	44%

5.5. Architectural Coatings

Phase Name	Residential Interior Area Coated (sq ft)	Residential Exterior Area Coated (sq ft)	Non-Residential Interior Area Coated (sq ft)	Non-Residential Exterior Area Coated (sq ft)	Parking Area Coated (sq ft)
Architectural Coating	645,218	215,073	15,887	3,575	10,326

5.6. Dust Mitigation

5.6.1. Construction Earthmoving Activities

Phase Name	Material Imported (Cubic Yards)	Material Exported (Cubic Yards)	Acres Graded (acres)	Material Demolished (Building Square Footage)	Acres Paved (acres)

Demolition	0.00	0.00	0.00	1,268	—
Grading & Utilities	0.00	36,210	0.00	0.00	—
Paving	0.00	0.00	0.00	0.00	3.95

5.6.2. Construction Earthmoving Control Strategies

Control Strategies Applied	Frequency (per day)	PM10 Reduction	PM2.5 Reduction
Water Exposed Area	3	74%	74%
Water Demolished Area	2	36%	36%

5.7. Construction Paving

Land Use	Area Paved (acres)	% Asphalt
Apartments Mid Rise	—	0%
High Turnover (Sit Down Restaurant)	0.00	0%
Recreational Swimming Pool	0.00	0%
Enclosed Parking with Elevator	3.95	100%

5.8. Construction Electricity Consumption and Emissions Factors

kWh per Year and Emission Factor (lb/MWh)

Year	kWh per Year	CO2	CH4	N2O
2030	635	345	0.05	0.01
2031	635	325	0.05	0.01
2032	0.00	304	0.05	0.01

5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres

5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

Biomass Cover Type	Initial Acres	Final Acres

5.18.2. Sequestration

5.18.2.1. Unmitigated

Tree Type	Number	Electricity Saved (kWh/year)	Natural Gas Saved (btu/year)

6. Climate Risk Detailed Report

6.1. Climate Risk Summary

Cal-Adapt midcentury 2040–2059 average projections for four hazards are reported below for your project location. These are under Representation Concentration Pathway (RCP) 8.5 which assumes GHG emissions will continue to rise strongly through 2050 and then plateau around 2100.

Climate Hazard	Result for Project Location	Unit
Temperature and Extreme Heat	9.52	annual days of extreme heat
Extreme Precipitation	6.15	annual days with precipitation above 20 mm
Sea Level Rise	—	meters of inundation depth
Wildfire	0.00	annual hectares burned

Temperature and Extreme Heat data are for grid cell in which your project are located. The projection is based on the 98th historical percentile of daily maximum/minimum temperatures from observed historical data (32 climate model ensemble from Cal-Adapt, 2040–2059 average under RCP 8.5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.
Extreme Precipitation data are for the grid cell in which your project are located. The threshold of 20 mm is equivalent to about ¾ an inch of rain, which would be light to moderate rainfall if received over a full day or heavy rain if received over a period of 2 to 4 hours. Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.
Sea Level Rise data are for the grid cell in which your project are located. The projections are from Radke et al. (2017), as reported in Cal-Adapt (Radke et al., 2017, CEC-500-2017-008), and consider inundation location and depth for the San Francisco Bay, the Sacramento-San Joaquin River Delta and California coast resulting different increments of sea level rise coupled with extreme storm events. Users may select from four scenarios to view the range in potential inundation depth for the grid cell. The four scenarios are: No rise, 0.5 meter, 1.0 meter, 1.41 meters

Wildfire data are for the grid cell in which your project are located. The projections are from UC Davis, as reported in Cal-Adapt (2040–2059 average under RCP 8.5), and consider historical data of climate, vegetation, population density, and large (> 400 ha) fire history. Users may select from four model simulations to view the range in potential wildfire probabilities for the grid cell. The four simulations make different assumptions about expected rainfall and temperature are: Warmer/drier (HadGEM2-ES), Cooler/wetter (CNRM-CM5), Average conditions (CanESM2), Range of different rainfall and temperature possibilities (MIROC5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.

6.2. Initial Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	1	0	0	N/A
Extreme Precipitation	N/A	N/A	N/A	N/A
Sea Level Rise	1	0	0	N/A
Wildfire	1	0	0	N/A
Flooding	N/A	N/A	N/A	N/A
Drought	N/A	N/A	N/A	N/A
Snowpack Reduction	N/A	N/A	N/A	N/A
Air Quality Degradation	0	0	0	N/A

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.
The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.
The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores do not include implementation of climate risk reduction measures.

6.3. Adjusted Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	1	1	1	2
Extreme Precipitation	N/A	N/A	N/A	N/A
Sea Level Rise	1	1	1	2
Wildfire	1	1	1	2
Flooding	N/A	N/A	N/A	N/A
Drought	N/A	N/A	N/A	N/A
Snowpack Reduction	N/A	N/A	N/A	N/A
Air Quality Degradation	1	1	1	2

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.
The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.
The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores include implementation of climate risk reduction measures.

6.4. Climate Risk Reduction Measures

7. Health and Equity Details

7.1. CalEnviroScreen 4.0 Scores

The maximum CalEnviroScreen score is 100. A high score (i.e., greater than 50) reflects a higher pollution burden compared to other census tracts in the state.

Indicator	Result for Project Census Tract
Exposure Indicators	—
AQ-Ozone	50.5
AQ-PM	89.2
AQ-DPM	95.5
Drinking Water	92.5
Lead Risk Housing	71.6
Pesticides	0.00
Toxic Releases	82.2
Traffic	85.9
Effect Indicators	—
CleanUp Sites	97.2
Groundwater	78.1
Haz Waste Facilities/Generators	98.8
Impaired Water Bodies	66.7
Solid Waste	96.0
Sensitive Population	—
Asthma	97.7

Cardio-vascular	65.1
Low Birth Weights	71.6
Socioeconomic Factor Indicators	—
Education	74.4
Housing	68.5
Linguistic	91.8
Poverty	75.4
Unemployment	79.7

7.2. Healthy Places Index Scores

The maximum Health Places Index score is 100. A high score (i.e., greater than 50) reflects healthier community conditions compared to other census tracts in the state.

Indicator	Result for Project Census Tract
Economic	—
Above Poverty	10.5350956
Employed	49.30065443
Median HI	4.273065572
Education	—
Bachelor's or higher	63.26190171
High school enrollment	100
Preschool enrollment	95.7141024
Transportation	—
Auto Access	1.180546644
Active commuting	97.42076222
Social	—
2-parent households	4.119081227
Voting	13.0373412
Neighborhood	—
Alcohol availability	9.5983575

Park access	81.35506224
Retail density	43.6160657
Supermarket access	82.8564096
Tree canopy	14.50019248
Housing	—
Homeownership	6.723983062
Housing habitability	0.166816374
Low-inc homeowner severe housing cost burden	1.475683306
Low-inc renter severe housing cost burden	66.38008469
Uncrowded housing	6.300526113
Health Outcomes	—
Insured adults	5.902733222
Arthritis	53.0
Asthma ER Admissions	1.4
High Blood Pressure	12.0
Cancer (excluding skin)	82.6
Asthma	21.6
Coronary Heart Disease	15.5
Chronic Obstructive Pulmonary Disease	14.4
Diagnosed Diabetes	11.3
Life Expectancy at Birth	5.1
Cognitively Disabled	13.7
Physically Disabled	6.4
Heart Attack ER Admissions	46.0
Mental Health Not Good	14.9
Chronic Kidney Disease	20.1
Obesity	9.6
Pedestrian Injuries	100.0

Physical Health Not Good	12.4
Stroke	13.0
Health Risk Behaviors	—
Binge Drinking	60.3
Current Smoker	7.4
No Leisure Time for Physical Activity	24.7
Climate Change Exposures	—
Wildfire Risk	0.0
SLR Inundation Area	0.0
Children	76.4
Elderly	97.3
English Speaking	7.7
Foreign-born	75.6
Outdoor Workers	46.0
Climate Change Adaptive Capacity	—
Impervious Surface Cover	0.0
Traffic Density	90.2
Traffic Access	87.4
Other Indices	—
Hardship	82.8
Other Decision Support	—
2016 Voting	5.0

7.3. Overall Health & Equity Scores

Metric	Result for Project Census Tract
CalEnviroScreen 4.0 Score for Project Location (a)	100
Healthy Places Index Score for Project Location (b)	14.0
Project Located in a Designated Disadvantaged Community (Senate Bill 535)	Yes

Project Located in a Low-Income Community (Assembly Bill 1550)	Yes
Project Located in a Community Air Protection Program Community (Assembly Bill 617)	No

a: The maximum CalEnviroScreen score is 100. A high score (i.e., greater than 50) reflects a higher pollution burden compared to other census tracts in the state.
b: The maximum Health Places Index score is 100. A high score (i.e., greater than 50) reflects healthier community conditions compared to other census tracts in the state.

7.4. Health & Equity Measures

No Health & Equity Measures selected.

7.5. Evaluation Scorecard

Health & Equity Evaluation Scorecard not completed.

7.6. Health & Equity Custom Measures

No Health & Equity Custom Measures created.

8. User Changes to Default Data

Screen	Justification
Construction: Construction Phases	Project Specific - see construction assumptions
Construction: Off-Road Equipment	See construction assumptions
Construction: Trips and VMT	see construction assumptions
Construction: On-Road Fugitive Dust	see construction assumptions
Construction: Electricity	Carbon intensity for construction years
Land Use	Project Specific

Appendix D.2

Protected Tree Survey

Carlberg ASSOCIATES

Horticulturists and
Registered Consulting
ARBORISTS

December 19, 2024

Alameda Square Owner LLC
40 West 57th Street, 29th FL
New York, NY 10019
c/o Marisa Fontaine, Atlas Capital Group LLC

Re: Alameda Square, ROW DTLA – Updated Tree Inventory and Tree Disclosure Statement

Dear Ms. Fontaine,

This letter is submitted in response to your request for a tree inventory update at the Alameda Square, ROW DTLA property located at 777 S. Alameda Street in Los Angeles, California. This assignment does not include an impact analysis.

Carlberg Associates (Carlberg) performed an updated project site tree inventory on December 17, 2024. We found and assessed a total of 136 trees: 115 private property trees and 21 street trees. Included are trees in landscape planters, tree cutouts, and several planter 'boxes' that appeared to be connected to the ground. Trees in fully enclosed containers were excluded from the inventory.

Table 1, Summary of Inventoried Project Site and Street Trees, lists the different types and corresponding number of private property trees and street trees. None of the 115 private property trees are protected by the City of Los Angeles' Protected Tree & Shrub Ordinance No.186873.

An aerial exhibit of the project inventory area is enclosed as Exhibit A. Photographs of the inventoried trees, the updated Tree Inventory table (**Table 2**), the updated Tree Location Exhibit and the completed Tree Disclosure Statement are enclosed.

Santa Monica Office
828 Fifth Street, Suite 3
Santa Monica, California 90403
Office: 310.451.4804

Sierra Madre Office
80 West Sierra Madre Boulevard, #241
Sierra Madre, California 91024
Office: 626.428.5072

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TABLE 1 – SUMMARY OF INVENTORIED PROJECT SITE AND STREET TREES

COMMON NAME	BOTANICAL NAME	TOTAL NUMBER ON PRIVATE PROPERTY	TOTAL NUMBER ON STREETS	TOTAL NO. TREE SPECIES
Australian willow	*Geijera parv.flora*	0	2	2
Brisbane box	*Lophostemon confertus*	7	0	7
Canary Island pine	*Pinus canariensis*	7	0	7
Chinese elm	*Ulmus chinensis*	42	0	42
Cork oak	*Quercus suber*	5	0	5
Fern pine	*Afrocarpus falcatus*	0	18	18
Indian laurel fig	*Ficus microcarpa*	1	0	1
London plane	*Platanus x hispanica*	17	0	17
Mexican fan palm	*Washingtonia robusta*	3	0	3
Mondell pine	*Pinus elderica*	7	0	7
paperbark	*Melaleuca quinquenervia*	21	0	21
Strawberry tree 'Marina'	*Arbutus 'Marina'*	5	0	5
Water gum	*Tristaniopsis laurina*	0	1	1
		115	**21**	**136**

Please feel welcome to contact me or Cy Carlberg with any questions. Thank you.

Sincerely,

Christine Cuba

Christy Cuba
Senior Arborist
ASCA Registered Consulting Arborist, #502
ISA Certified Arborist, #WE-1982A
ISA Tree Risk Qualified

Enc. Exhibit A - Aerial Exhibit of Updated Inventory Area
Arborist Disclosure Statement
Resume of Arborist
ROW DTLA Tree Photographs
Table 2 – ROW DTLA Updated Tree Inventory
Tree Disclosure Statement
Tree Location Map, dated 12.19.24 (1":40' scale, 30" x 42") (via email attachment)

Exhibit A - Aerial Exhibit of the Updated Tree Inventory Area – Boundaries are illustrative only (Not to Scale; Source – Google Maps)



ARBORIST DISCLOSURE STATEMENT

Arborists are tree specialists who use their education, knowledge, training, and experience to examine trees, recommend measures to enhance the beauty and health of trees, and attempt to reduce the risk of living near trees. Clients may choose to accept or disregard the recommendations of the arborist, or to seek additional advice.

Arborists cannot detect every condition that could possibly lead to the structural failure of a tree. Trees are living organisms that fail in ways we do not fully understand. Conditions are often hidden within trees and below ground. Arborists cannot guarantee that a tree will be healthy or safe under all circumstances, or for a specified period of time. Likewise, remedial treatments, like any medicine, cannot be guaranteed.

Treatment, pruning and removal of trees may involve considerations beyond the scope of the arborist's services such as property boundaries, property ownership, site lines, disputes between neighbors, and other issues. Arborists cannot take such considerations into account unless complete and accurate information is disclosed to the arborist. An arborist should then be expected to reasonably rely upon the completeness and accuracy of the information provided.

Trees contribute greatly to our enjoyment and appreciation of life. Nonetheless, they are subject to the laws of gravity and physiological decline. Therefore, neither arborists nor tree owners can be reasonably expected to warrant unfailing predictability or elimination of risk.

Trees can be managed, but they cannot be controlled. To live near trees is to accept some degree of risk. The only way to eliminate all risk associated with trees is to eliminate all trees.

A formal, International Society of Arboriculture Risk Assessment was not requested nor performed for the tree(s) in this letter/report.

The conditions noted in this letter / report are indicative of the conditions present at the time of my site visit.

CHRISTY CUBA
CARLBERG ASSOCIATES
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Education
B.A., Environmental Analysis & Design, University of California, Irvine, 1993
Graduate, International Society of Arboriculture Certification Study Program, April 1998
Graduate, Consulting Academy, American Society of Consulting Arborists, February 2006

Experience
Senior Arborist/Associate, Carlberg Associates, 2011 – Present
Director of Environmental Services & Senior Arborist, Land Design Consultants, Inc., Pasadena, 1994 – 2011
Park Specialist/Naturalist, City of Monrovia, 1988-1996

Certificates
Certified Arborist, WE-1982A, International Society of Arboriculture, 1998
Registered Consulting Arborist, #502, American Society of Consulting Arborists, 2011
Qualified Tree Risk Assessor, International Society of Arboriculture

AREAS OF EXPERTISE

Ms. Cuba is experienced in the following areas of tree management and preservation:

- Tree health & risk assessments
- Inventories & reports for native and non-native trees
- Master planning
- Evaluation of trees for preservation, encroachment, relocation, restoration, and hazards
- Value assessments (appraisals) for native and non-native trees
- Post-fire inventories, assessments, and valuations for native and non-native trees
- Guidelines for tree preservation, planting, pruning and maintenance specifications
- Pest and disease identification
- Tree and landscape resource mapping – GPS, GIS, and AutoCAD
- Planning Commission, City Council, and community meetings representation
- Review of landscape plans for mitigation compliance & fire fuel modification planning
- Preparation of native habitat and woodland management plans
- Performance of long-term mitigation compliance monitoring & reporting
- Expert / mediation consultation

PREVIOUS CONSULTING EXPERIENCE

Ms. Cuba has performed hundreds of tree inventories, health evaluations, impact analyses, hazard, and value assessments for counties, cities, sanitation districts, and water districts, as well as private developers, architects, engineers, and homeowners. She has over 30 years of experience in arboriculture and is trained in environmental planning, state and federal regulatory permitting, preparation of CEQA analyses, and habitat mitigation planning and implementation. Representative clients include:

City of Pasadena
City of Monrovia
City of Santa Clarita
City of Glendora
Los Angeles County Fire Department
Los Angeles County Sanitation Districts
The New Home Company
Pulte/Centex Homes
Newhall Land and Farming
Marmol Radziner Architects
Karen Moran, Architect
KIBO Group
California Institute of Technology
San Diego Gas & Electric
Quinn, Emanuel, Urquhart, and Sullivan (attorneys at law)
Figure 8 Group
City of South Gate
City of Sierra Madre
D2 Development
The Claremont Colleges (Pomona, Claremont Graduate University)
Las Encinas Hospital/Aurora-Signature Health
Rose Bowl Stadium
Mia Lehrer + Associates, Landscape Architects
Pamela Burton and Company, Landscape Architects
Chandler School
Occidental College

AFFILIATIONS

Ms. Cuba serves with the following national and regional professional organizations:

- Member, American Society of Consulting Arborists
- Member, International Society of Arboriculture, Western Chapter
- Member, Los Angeles Floss silk Woodland Habitat Conservation Strategic Alliance
- Past President, 2015, Street Tree Seminar, Inc.

ROW DTLA
Tree Photographs

34 Pages

Unless otherwise noted in the caption, trees are non-protected.

Protected Trees and Street Trees (or other public rights-of-way trees) are noted.

Tree OS# = Offsite tree, Tree ST# = street tree or right-of-way tree.



Trees 1-2 (R-L) - *Washingtonia robusta*



Tree 3 - *Platanus x hispanica*



Tree 4 - *Platanus x hispanica*



Tree 5 - *Platanus x hispanica*



Tree 6 - *Platanus x hispanica*



Tree 7 - *Platanus x hispanica*



Tree 8 - *Platanus x hispanica*



Tree 9 - *Platanus x hispanica*



Tree 10 - *Platanus x hispanica*



Tree 11 - *Washingtonia robusta*



Tree ST12 - *Afrocarpus falcatus*



Tree ST13 - *Afrocarpus falcatus*



Tree ST14 - *Afrocarpus falcatus*



Tree ST15 - *Afrocarpus falcatus*



Tree ST16 - *Afrocarpus falcatus*



Tree ST17 - *Afrocarpus falcatus*



Tree ST18 - *Afrocarpus falcatus*



Tree ST19 - *Afrocarpus falcatus*



Tree ST20 - *Afrocarpus falcatus*



Tree ST21 - *Afrocarpus falcatus*



Tree ST22 - *Afrocarpus falcatus*



Tree ST23 - *Afrocarpus falcatus*



Tree ST24 - *Afrocarpus falcatus*



Tree ST25 - *Afrocarpus falcatus*



Tree ST26 - *Afrocarpus falcatus*



Tree ST27 - *Afrocarpus falcatus*



Tree ST28 - *Afrocarpus falcatus*



Tree ST29 - *Afrocarpus falcatus*



Tree 30 - *Platanus x hispanica*



Tree 31 - *Platanus x hispanica*



Tree 32 - *Platanus x hispanica*



Tree 33 - *Platanus x hispanica*



Tree 34 - *Platanus x hispanica*



Tree 35 - *Platanus x hispanica*



Tree 36 - *Melaleuca quinquenervia*



Tree 37 - *Melaleuca quinquenervia*



Tree 38 - *Melaleuca quinquenervia*



Tree 39 - *Melaleuca quinquenervia*



Tree 40 - *Melaleuca quinquenervia*



Tree 41 - *Melaleuca quinquenervia*



Tree 42 - *Melaleuca quinquenervia*



Tree 43 - *Melaleuca quinquenervia*



Tree 44 - *Melaleuca quinquenervia*



Tree 45 - *Melaleuca quinquenervia*



Tree 46 - *Melaleuca quinquenervia*



Tree 47 - *Melaleuca quinquenervia*



Tree 48 - *Melaleuca quinquenervia*



Tree 49 - *Melaleuca quinquenervia*



Tree 50 - *Melaleuca quinquenervia*



Tree 51 - *Melaleuca quinquenervia*



Tree 52 - *Melaleuca quinquenervia*



Tree 53 - *Melaleuca quinquenervia*



Tree 54 - *Melaleuca quinquenervia*



Tree 55 - *Melaleuca quinquenervia*



Tree 56 - *Melaleuca quinquenervia*



Tree 57 - *Ulmus parvifolia*



Tree 58 - *Ulmus parvifolia*



Tree 59 - *Ulmus parvifolia*



Tree 60 - *Ulmus parvifolia*



Tree 61 - *Ulmus parvifolia*



Tree 62 - *Lophostemon confertus*



Tree 63 - *Lophostemon confertus*



Tree 64 - *Lophostemon confertus*



Tree 65 - *Lophostemon confertus*



Tree 66 - *Lophostemon confertus*



Tree 67 - *Lophostemon confertus*



Tree 68 - *Lophostemon confertus*



Tree 69 - *Ulmus parvifolia*



Tree 70 - *Ulmus parvifolia*



Tree 71 - *Ulmus parvifolia*



Tree 72 - *Ulmus parvifolia*



Tree 73 - *Ulmus parvifolia*



Tree 74 - *Ulmus parvifolia*



Tree 75 - *Ulmus parvifolia*



Tree 76 - *Ficus microcarpa*



Tree 77 - *Ulmus parvifolia*



Tree 78 - *Ulmus parvifolia*



Tree 79 - *Ulmus parvifolia*



Tree 80 - *Ulmus parvifolia*



Tree 81 - *Ulmus parvifolia*



Tree 82 - *Ulmus parvifolia*



Tree 83 - *Ulmus parvifolia*



Tree 84 - *Ulmus parvifolia*



Tree 85 - *Ulmus parvifolia*



Tree 86 - *Ulmus parvifolia*



Tree 87 - *Ulmus parvifolia*



Tree 88 - *Ulmus parvifolia*



Tree 89 - *Ulmus parvifolia*



Tree 90 - *Ulmus parvifolia*



Tree 91 - *Ulmus parvifolia*



Tree 92 - *Platanus x hispanica*



Tree 93 - *Ulmus parvifolia*



Tree 94 - *Ulmus parvifolia*



Tree 95 - *Ulmus parvifolia*



Tree 96 - *Platanus x hispanica*



Tree 97 - *Ulmus parvifolia*



Tree 98 - *Ulmus parvifolia*



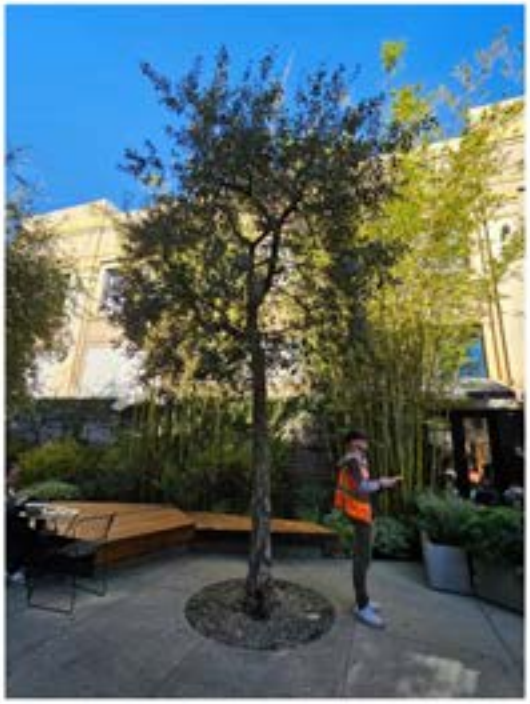
Tree 99 - *Ulmus parvifolia*



Tree 100 - *Arbutus 'Marina'*



Tree 101 - *Arbutus 'Marina'*



Tree 102 - *Quercus suber*



Tree 103 - *Quercus suber*



Tree 104 - *Quercus suber*



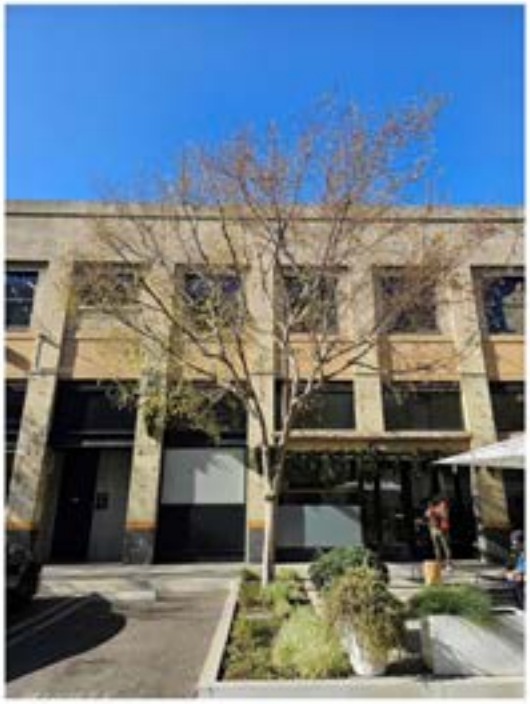
Tree 105 - *Quercus suber*



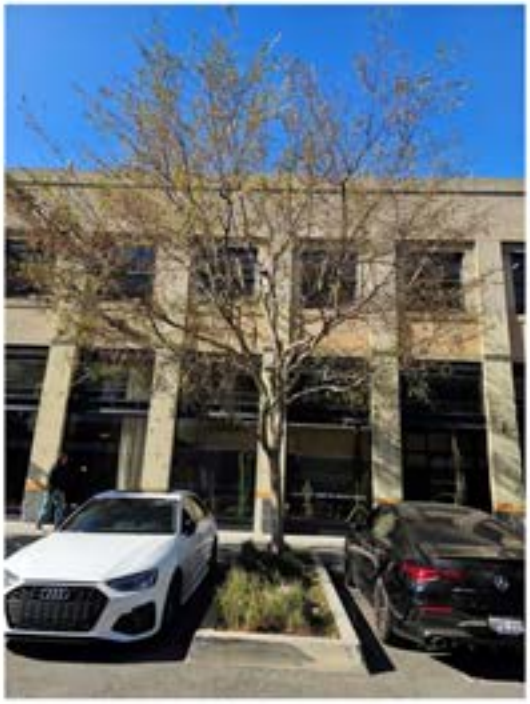
Tree 106 - *Quercus suber*



Tree 107 - *Ulmus parvifolia*



Tree 108 - *Ulmus parvifolia*



Tree 109 - *Ulmus parvifolia*



Tree 110 - *Platanus x hispanica*



Tree 111 - *Ulmus parvifolia*



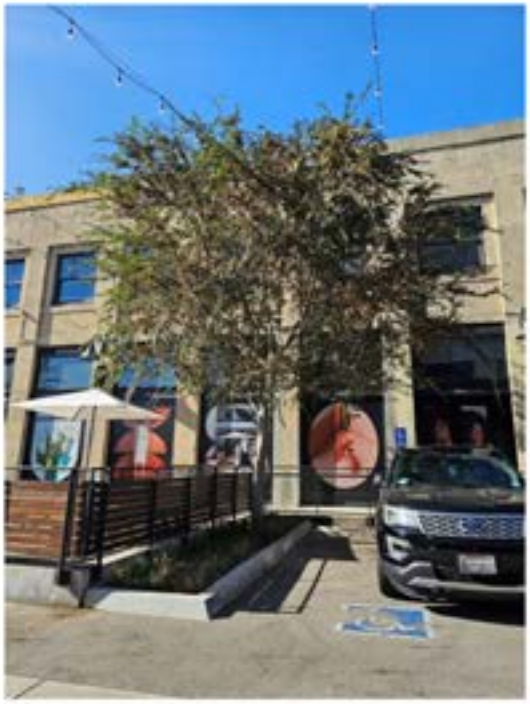
Tree 112 - *Ulmus parvifolia*



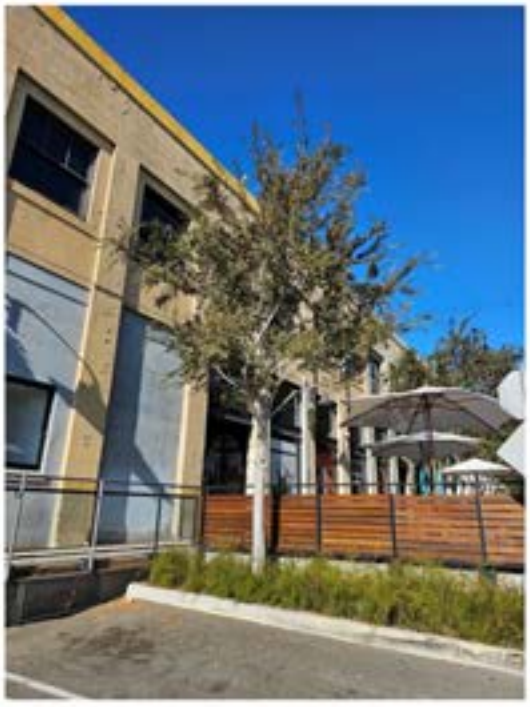
Tree 113 - *Ulmus parvifolia*



Tree 114 - *Ulmus parvifolia*



Tree 115 - *Ulmus parvifolia*



Tree 116 - *Ulmus parvifolia*



Tree 117 - *Pinus canariensis*



Tree 118 - *Pinus canariensis*



Tree 119 - *Pinus canariensis*



Tree 120 - *Pinus canariensis*



Tree 121 - *Pinus eldarica*



Trees 122-124 (L-R) - *Pinus eldarica and Pinus canariensis*



Trees 125-126 (L-R) - *Arbutus 'Marina'*



Tree 127 - *Arbutus 'Marina'*



Tree 128 - *Pinus eldarica*



Trees 129-130 (L-R) - *Pinus eldarica*



Tree 131 - *Pinus eldarica*



Tree 132 - *Pinus eldarica*



Tree 133 - *Pinus canariensis*



Tree ST134 - *Geijera parviflora*



Tree ST135 - *Geijera parviflora*



Tree ST136 - *Tristaniopsis laurina*

Definitions for table headings and comment terms and abbreviations are provided at the end of the table.

TABLE 2 – ROW DTLA UPDATED TREE INVENTORY

PP/ST	Tree ID	Common Name	Botanical Name	DBH (In.)	BT (Ft.)	Height (Ft.)	Canopy N (Ft.)	Canopy E (Ft.)	Canopy S (Ft.)	Canopy W (Ft.)	Health Grade	Structure Grade	Comments
PP	1	Mexican Fan Palm	*Washingtonia robusta*		45	50	8	8	8	8	A	A	
PP	2	Mexican Fan Palm	*Washingtonia robusta*		50	55	8	8	8	8	A	A	
PP	3	London plane	*Platanus x hispanica*	8.8		25	11	11	11	11	B	B	PM, soil heavily irrigated
PP	4	London plane	*Platanus x hispanica*	6.2		18	10	10	10	10	B	B	PM, soil heavily irrigated
PP	5	London plane	*Platanus x hispanica*	8		25	8	12	12	12	B	B	PM, soil heavily irrigated
PP	6	London plane	*Platanus x hispanica*	9.8		35	12	15	15	17	B	B	PM, soil heavily irrigated
PP	7	London plane	*Platanus x hispanica*	9.1		35	14	14	14	14	B	B	PM, soil heavily irrigated
PP	8	London plane	*Platanus x hispanica*	8.4		30	14	14	14	14	B	B	PM, soil heavily irrigated
PP	9	London plane	*Platanus x hispanica*	7.3		30	12	12	12	12	B	B	PM, soil heavily irrigated
PP	10	London plane	*Platanus x hispanica*	7.8		30	12	15	14	15	B	B	PM, soil heavily irrigated
PP	11	Mexican Fan Palm	*Washingtonia robusta*		45	50	8	8	8	8	A	A	adjacent to power lines
ST	12	fern pine	*Afrocarpus falcatus*	8.1		16	6	6	8	8	A	B	pruned for clearance, planted deep
ST	13	fern pine	*Afrocarpus falcatus*	8.5		15	8	8	10	10	A	B	broken branch on E, pruned for clearance, planted deep
ST	14	fern pine	*Afrocarpus falcatus*	8.4		15	6	3	6	6	A	B	pruned for clearance, planted deep

TABLE 2 – ROW DTLA UPDATED TREE INVENTORY

PP/ST	Tree ID	Common Name	Botanical Name	DBH (In.)	BT (Ft.)	Height (Ft.)	Canopy N (Ft.)	Canopy E (Ft.)	Canopy S (Ft.)	Canopy W (Ft.)	Health Grade	Structure Grade	Comments
ST	15	fern pine	*Afrocarpus falcatus*	6		14	6	6	6	6	A	B	pruned for clearance, planted deep
ST	16	fern pine	*Afrocarpus falcatus*	9.5		16	9	6	9	9	A	B	pruned for clearance, mechanical damage on trunk, planted deep
ST	17	fern pine	*Afrocarpus falcatus*	9		15	6	5	6	8	A	B	pruned for clearance, planted deep
ST	18	fern pine	*Afrocarpus falcatus*	8.6		15	6	4	6	5	A	B	pruned for clearance, planted deep
ST	19	fern pine	*Afrocarpus falcatus*	7.4		16	6	6	8	8	A	B	pruned for clearance, planted deep
ST	20	fern pine	*Afrocarpus falcatus*	8		16	8	6	9	7	A	B	pruned for clearance, irrigation flooded, planted deep
ST	21	fern pine	*Afrocarpus falcatus*	7.2		15	6	4	6	6	A	B	pruned for clearance, planted deep
ST	22	fern pine	*Afrocarpus falcatus*	6		15	6	6	6	6	A	B	pruned for clearance, planted deep
ST	23	fern pine	*Afrocarpus falcatus*	7.8		15	8	5	8	8	A	B	pruned for clearance, planted deep
ST	24	fern pine	*Afrocarpus falcatus*	6.4		14	8	6	6	8	A	B	pruned for clearance, planted deep

TABLE 2 – ROW DTLA UPDATED TREE INVENTORY

PP/ST	Tree ID	Common Name	Botanical Name	DBH (In.)	BT (Ft.)	Height (Ft.)	Canopy N (Ft.)	Canopy E (Ft.)	Canopy S (Ft.)	Canopy W (Ft.)	Health Grade	Structure Grade	Comments
ST	25	fern pine	*Afrocarpus falcatus*	8		15	8	4	6	6	A	B	pruned for clearance, planted deep
ST	26	fern pine	*Afrocarpus falcatus*	7		15	7	4	7	8	A	B	pruned for clearance, planted deep
ST	27	fern pine	*Afrocarpus falcatus*	6.8		15	8	6	8	8	A	B	pruned for clearance, planted deep, diameter measured at 4 feet
ST	28	fern pine	*Afrocarpus falcatus*	7.9		16	8	8	8	8	A	B	pruned for clearance, planted deep
ST	29	fern pine	*Afrocarpus falcatus*	6.6		15	6	5	6	7	A	B	pruned for clearance, planted deep
PP	30	London plane	*Platanus x hispanica*	7.5		35	13	13	14	15	B	B	PM
PP	31	London plane	*Platanus x hispanica*	7.4		35	13	12	13	9	B	B	PM
PP	32	London plane	*Platanus x hispanica*	5		24	11	12	12	10	B	B	PM
PP	33	London plane	*Platanus x hispanica*	7		35	15	13	9	11	B	B	PM
PP	34	London plane	*Platanus x hispanica*	6.3		32	12	14	12	10	B	B	PM
PP	35	London plane	*Platanus x hispanica*	6.4		28	11	12	12	10	B	B	PM, soil heavily irrigated
PP	36	paperbark	*Melaleuca quinquenervia*	4, 4, 5.3, 5.1, 5.7		20	5	7	6	6	A-	B+	soil heavily irrigated
PP	37	paperbark	*Melaleuca quinquenervia*	5.3, 5.5, 6.2, 8.7		25	7	5	5	5	A-	B+	soil heavily irrigated
PP	38	paperbark	*Melaleuca quinquenervia*	2.7, 5, 5.2, 4.5, 5		22	4	6	6	7	A-	B+	soil heavily irrigated

TABLE 2 – ROW DTLA UPDATED TREE INVENTORY

PP/ST	Tree ID	Common Name	Botanical Name	DBH (In.)	BT (Ft.)	Height (Ft.)	Canopy N (Ft.)	Canopy E (Ft.)	Canopy S (Ft.)	Canopy W (Ft.)	Health Grade	Structure Grade	Comments
PP	39	paperbark	*Melaleuca quinquenervia*	4.5, 4.8, 3.1, 3.3		20	4	5	5	4	A-	B+	soil heavily irrigated
PP	40	paperbark	*Melaleuca quinquenervia*	3.7, 3, 3, 3, 3.1, 5.8		17	5	6	5	4	A-	B+	soil heavily irrigated
PP	41	paperbark	*Melaleuca quinquenervia*	5.4, 5.5, 6.2, 7.3		18	6	6	6	6	A-	B+	soil heavily irrigated
PP	42	paperbark	*Melaleuca quinquenervia*	5, 4.4, 5, 9.5		22	6	5	7	6	A-	B+	soil heavily irrigated
PP	43	paperbark	*Melaleuca quinquenervia*	3.3, 3.4, 4.7, 4.5, 5.2, 7.7		20	7	4	5	5	A-	B+	soil heavily irrigated
PP	44	paperbark	*Melaleuca quinquenervia*	4.4, 3.7, 7.4, 5.7		17	6	6	6	4	A-	B+	soil heavily irrigated
PP	45	paperbark	*Melaleuca quinquenervia*	6, 6, 5.6, 6.4		22	8	4	8	4	A-	B+	soil heavily irrigated
PP	46	paperbark	*Melaleuca quinquenervia*	4.2, 6.5, 6.7, 7.6, 2.8		25	6	6	8	5	A-	B+	soil heavily irrigated
PP	47	paperbark	*Melaleuca quinquenervia*	4.5, 6, 7, 6.8, 7		24	7	5	8	6	A-	B+	soil heavily irrigated
PP	48	paperbark	*Melaleuca quinquenervia*	6, 9.3, 6, 3.2, 3		24	6	7	7	7	A-	B+	soil heavily irrigated
PP	49	paperbark	*Melaleuca quinquenervia*	4.2, 5.2, 5.5, 8.4		20	8	4	6	4	A-	B+	soil heavily irrigated
PP	50	paperbark	*Melaleuca quinquenervia*	3.6, 3.4, 4.6, 5.2, 3		22	6	6	7	5	A-	B+	soil heavily irrigated
PP	51	paperbark	*Melaleuca quinquenervia*	4.7, 5.8, 5.7		25	5	5	8	5	A-	B+	soil heavily irrigated

TABLE 2 – ROW DTLA UPDATED TREE INVENTORY

PP/ST	Tree ID	Common Name	Botanical Name	DBH (In.)	BT (Ft.)	Height (Ft.)	Canopy N (Ft.)	Canopy E (Ft.)	Canopy S (Ft.)	Canopy W (Ft.)	Health Grade	Structure Grade	Comments
PP	52	paperbark	*Melaleuca quinquenervia*	4.5, 5.5, 5, 4.7, 5.2		23	10	9	12	10	A-	B+	soil heavily irrigated
PP	53	paperbark	*Melaleuca quinquenervia*	4.8, 9.5, 6.8, 8.1		26	10	9	10	10	A-	B+	soil heavily irrigated
PP	54	paperbark	*Melaleuca quinquenervia*	5, 7.6, 7, 8.8, 8.8, 5.8		25	8	11	10	9	A-	B+	soil heavily irrigated
PP	55	paperbark	*Melaleuca quinquenervia*	4.6, 5.8, 6.4, 11.8, 12		22	10	12	12	10	A-	B+	soil heavily irrigated
PP	56	paperbark	*Melaleuca quinquenervia*	3.8, 4.6, 9.3, 9.4, 11		22	11	11	11	11	A-	B+	soil heavily irrigated
PP	57	Chinese elm	*Ulmus parv.folia*	11		26	17	16	17	20	A	B	soil heavily irrigated, likely has a girdling root on W side
PP	58	Chinese elm	*Ulmus parv.folia*	10		25	16	16	17	16	A	B+	MPE
PP	59	Chinese elm	*Ulmus parv.folia*	10.2		25	17	16	18	17	A	B+	MPE
PP	60	Chinese elm	*Ulmus parv.folia*	7.7		22	16	18	15	16	A	B+	MPE, tree growing between hedge
PP	61	Chinese elm	*Ulmus parv.folia*	7.7		22	15	17	17	17	A	B+	MPE, tree growing between hedge
PP	62	Brisbane box	*Lophostemon confertus*	5.8		20	12	8	8	6	A	A-	soil heavily irrigated
PP	63	Brisbane box	*Lophostemon confertus*	5.5		16	6	7	7	6	A	A-	soil heavily irrigated
PP	64	Brisbane box	*Lophostemon confertus*	8.3		25	8	8	8	8	A	A-	soil heavily irrigated
PP	65	Brisbane box	*Lophostemon confertus*	4.5		15	8	6	8	6	A	A-	soil heavily irrigated

TABLE 2 – ROW DTLA UPDATED TREE INVENTORY

PP/ST	Tree ID	Common Name	Botanical Name	DBH (In.)	BT (Ft.)	Height (Ft.)	Canopy N (Ft.)	Canopy E (Ft.)	Canopy S (Ft.)	Canopy W (Ft.)	Health Grade	Structure Grade	Comments
PP	66	Brisbane box	*Lophostemon confertus*	10.8		30	9	9	9	8	A	A-	soil heavily irrigated
PP	67	Brisbane box	*Lophostemon confertus*	8.2		20	6	7	6	5	A	A-	soil heavily irrigated
PP	68	Brisbane box	*Lophostemon confertus*	8		22	8	9	8	7	A	A-	soil heavily irrigated
PP	69	Chinese elm	*Ulmus parv.folia*	6.6		16	8	8	9	9	A	B+	MPE, soil heavily irrigated, planted deep
PP	70	Chinese elm	*Ulmus parv.folia*	5.8		16	11	11	8	12	A	B+	MPE, soil heavily irrigated
PP	71	Chinese elm	*Ulmus parv.folia*	4		15	9	9	11	10	A	B+	MPE, soil heavily irrigated
PP	72	Chinese elm	*Ulmus parv.folia*	7.4		24	10	10	15	16	A	B+	MPE, soil heavily irrigated
PP	73	Chinese elm	*Ulmus parv.folia*	9		26	16	16	15	17	A	B+	MPE, soil heavily irrigated
PP	74	Chinese elm	*Ulmus parv.folia*	6.5		16	11	9	11	10	A	B+	MPE, soil heavily irrigated
PP	75	Chinese elm	*Ulmus parv.folia*	8.6		25	20	16	15	16	A	B+	MPE, soil heavily irrigated
PP	76	Indian laurel fig	*Ficus microcarpa*	23.7		30	24	24	24	24	A-	B	MPE, soil heavily irrigated, exposed roots, thinned, small girdling root
PP	77	Chinese elm	*Ulmus parv.folia*	9		24	16	13	15	16	A	B+	MPE, soil heavily irrigated
PP	78	Chinese elm	*Ulmus parv.folia*	8		25	16	13	14	17	A	B+	MPE, soil heavily irrigated, planted deep

TABLE 2 – ROW DTLA UPDATED TREE INVENTORY

PP/ST	Tree ID	Common Name	Botanical Name	DBH (In.)	BT (Ft.)	Height (Ft.)	Canopy N (Ft.)	Canopy E (Ft.)	Canopy S (Ft.)	Canopy W (Ft.)	Health Grade	Structure Grade	Comments
PP	79	Chinese elm	*Ulmus parv.folia*	7.6		25	15	13	15	15	A	B	MPE, soil heavily irrigated, possible girdling root on E side, mechanical damage, planted deep
PP	80	Chinese elm	*Ulmus parv.folia*	7.3		24	13	12	13	16	A	B+	MPE, soil heavily irrigated
PP	81	Chinese elm	*Ulmus parv.folia*	7.4		24	14	12	12	15	A	B+	MPE, soil heavily irrigated
PP	82	Chinese elm	*Ulmus parv.folia*	6.1		20	10	9	8	12	A	B	MPE, soil heavily irrigated, tear at junction
PP	83	Chinese elm	*Ulmus parv.folia*	7.5		22	17	12	13	16	A	B+	MPE, soil heavily irrigated
PP	84	Chinese elm	*Ulmus parv.folia*	5		16	8	7	8	10	A	B+	MPE, soil heavily irrigated
PP	85	Chinese elm	*Ulmus parv.folia*	4.1		16	7	10	10	11	A	B+	MPE, soil heavily irrigated
PP	86	Chinese elm	*Ulmus parv.folia*	5.5		22	14	11	11	13	A	B	MPE, soil heavily irrigated, trunk leans, potential root issue
PP	87	Chinese elm	*Ulmus parv.folia*	6		15	9	7	8	8	A	B	MPE, soil heavily irrigated, trunk leans, potential root issue
PP	88	Chinese elm	*Ulmus parv.folia*	8		28	17	17	18	13	A	B+	MPE, soil heavily irrigated
PP	89	Chinese elm	*Ulmus parv.folia*	7.6		26	15	16	15	13	A	B+	MPE, soil heavily irrigated
PP	90	Chinese elm	*Ulmus parv.folia*	7.4		28	16	15	15	13	A	B+	MPE, soil heavily irrigated

TABLE 2 – ROW DTLA UPDATED TREE INVENTORY

PP/ST	Tree ID	Common Name	Botanical Name	DBH (In.)	BT (Ft.)	Height (Ft.)	Canopy N (Ft.)	Canopy E (Ft.)	Canopy S (Ft.)	Canopy W (Ft.)	Health Grade	Structure Grade	Comments
PP	91	Chinese elm	*Ulmus parv.folia*	7		28	15	15	15	13	A	B+	MPE, soil heavily irrigated
PP	92	London plane	*Platanus x hispanica*	6.1		21	10	13	11	11	A	A-	MPE, soil heavily irrigated
PP	93	Chinese elm	*Ulmus parv.folia*	7.9		24	15	14	15	12	A	B+	MPE, soil heavily irrigated
PP	94	Chinese elm	*Ulmus parv.folia*	7.3		25	14	14	15	12	A	B+	MPE, soil heavily irrigated
PP	95	Chinese elm	*Ulmus parv.folia*	8.3		26	19	19	16	12	A	B+	MPE, soil heavily irrigated
PP	96	London plane	*Platanus x hispanica*	6.4		32	8	15	12	10	A	A-	MPE, soil heavily irrigated
PP	97	Chinese elm	*Ulmus parv.folia*	8.6		28	15	16	14	12	A	B+	MPE, soil heavily irrigated
PP	98	Chinese elm	*Ulmus parv.folia*	7		30	12	14	12	12	A	B+	MPE, soil heavily irrigated
PP	99	Chinese elm	*Ulmus parv.folia*	8.6		30	15	15	15	11	A	B+	MPE, soil heavily irrigated
PP	100	strawberry tree 'Marina'	*Arbutus 'Marina'*	9.3		18	9	9	10	10	A	A-	MPE
PP	101	strawberry tree 'Marina'	*Arbutus 'Marina'*	8.8		18	10	10	8	10	A	A-	MPE
PP	102	cork oak	*Quercus suber*	7.3		16	5	5	7	7	B	B	MPE
PP	103	cork oak	*Quercus suber*	9.6		18	7	7	8	8	B	B	MPE
PP	104	cork oak	*Quercus suber*	10.3		20	12	6	11	12	A-	B+	MPE
PP	105	cork oak	*Quercus suber*	5.2		14	6	4	5	4	C	C	MPE, mechanical damage, root disease
PP	106	cork oak	*Quercus suber*	8		14	0	0	0	0	F	F	tree standing dead
PP	107	Chinese elm	*Ulmus parv.folia*	7.8		22	15	17	18	9	A	B+	MPE, soil heavily irrigated

TABLE 2 – ROW DTLA UPDATED TREE INVENTORY

PP/ST	Tree ID	Common Name	Botanical Name	DBH (In.)	BT (Ft.)	Height (Ft.)	Canopy N (Ft.)	Canopy E (Ft.)	Canopy S (Ft.)	Canopy W (Ft.)	Health Grade	Structure Grade	Comments
PP	108	Chinese elm	*Ulmus parv.folia*	7.3		20	12	15	14	9	A	B+	MPE, soil heavily irrigated
PP	109	Chinese elm	*Ulmus parv.folia*	8		22	14	15	15	12	A	B+	MPE, soil heavily irrigated
PP	110	London plane	*Platanus x hispanica*	7.8		25	13	13	14	12	A	A-	MPE, soil heavily irrigated
PP	111	Chinese elm	*Ulmus parv.folia*	8.8		25	15	17	17	12	A	B+	MPE, soil heavily irrigated
PP	112	Chinese elm	*Ulmus parv.folia*	8.5		24	18	17	17	12	A	B+	MPE, soil heavily irrigated
PP	113	Chinese elm	*Ulmus parv.folia*	8.4		25	15	16	19	12	A	B+	MPE, soil heavily irrigated
PP	114	Chinese elm	*Ulmus parv.folia*	8.7		24	16	16	16	12	A	B+	MPE, soil heavily irrigated
PP	115	Chinese elm	*Ulmus parv.folia*	8		20	14	13	13	11	A	B+	MPE, soil heavily irrigated
PP	116	Chinese elm	*Ulmus parv.folia*	8.2		20	9	9	9	8	A	B+	MPE, soil heavily irrigated
PP	117	Canary Island pine	*Pinus canariensis*	7.2		20	7	6	6	2	A	B-	stake needs to be removed, trunk is embedded into adjacent cutout covering, leans E
PP	118	Canary Island pine	*Pinus canariensis*	7.7		16	4	4	5	4	A	B	in elevated planter box, appears to be in ground
PP	119	Canary Island pine	*Pinus canariensis*	5		16	5	5	6	6	A	B-	tie embedded, trunk embedded, in concrete cutout
PP	120	Canary Island pine	*Pinus canariensis*	6		24	5	5	5	5	A	B	in concrete cutout
PP	121	Mondell pine	*Pinus eldarica*	8.7		40	12	11	11	11	A	B+	in concrete cutout

TABLE 2 – ROW DTLA UPDATED TREE INVENTORY

PP/ST	Tree ID	Common Name	Botanical Name	DBH (In.)	BT (Ft.)	Height (Ft.)	Canopy N (Ft.)	Canopy E (Ft.)	Canopy S (Ft.)	Canopy W (Ft.)	Health Grade	Structure Grade	Comments
PP	122	Mondell pine	*Pinus eldarica*	7.8		40	7	8	10	9	A	B+	in concrete cutout
PP	123	Canary Island pine	*Pinus canariensis*	18.3		55	12	12	14	9	A	B+	in concrete cutout
PP	124	Canary Island pine	*Pinus canariensis*	14.3		65	8	9	9	8	A	B+	in concrete cutout
PP	125	strawberry tree 'Marina'	*Arbutus 'Marina'*	6		16	6	9	9	8	A	A	in concrete cutout, diameter measured at base
PP	126	strawberry tree 'Marina'	*Arbutus 'Marina'*	5		18	5	8	2	5	A	B	in concrete cutout, diameter measured at base
PP	127	strawberry tree 'Marina'	*Arbutus 'Marina'*	5.5, 4		16	8	8	9	4	A	A	in concrete cutout, diameters measured at base
PP	128	Mondell pine	*Pinus eldarica*	10.5		32	5	9	10	9	A	B+	in concrete cutout
PP	129	Mondell pine	*Pinus eldarica*	9.8		35	8	5	10	9	A	B+	in concrete cutout
PP	130	Mondell pine	*Pinus eldarica*	9.7		35	9	9	7	9	A	B+	in concrete cutout
PP	131	Mondell pine	*Pinus eldarica*	7		28	6	7	7	9	A	B	in concrete cutout, in elevated planter, cabled
PP	132	Mondell pine	*Pinus eldarica*	9.2		35	7	7	9	11	A	B	in concrete cutout, in elevated planter, cabled
PP	133	Canary Island pine	*Pinus canariensis*	14.7		40	7	6	8	12	A	B	in concrete cutout
ST	134	Australian willow	*Geijera parviflora*	4.5		10	5	6	5	6	A	A	in sidewalk cutout, diameter

TABLE 2 – ROW DTLA UPDATED TREE INVENTORY

PP/ST	Tree ID	Common Name	Botanical Name	DBH (In.)	BT (Ft.)	Height (Ft.)	Canopy N (Ft.)	Canopy E (Ft.)	Canopy S (Ft.)	Canopy W (Ft.)	Health Grade	Structure Grade	Comments
													measured at one foot
ST	135	Australian willow	*Geijera parviflora*	6		12	6	8	6	8	A	A	in sidewalk cutout, diameter measured at one foot
ST	136	water gum	*Tristaniopsis laurina*	2		10	0	0	0	0	F	F	in sidewalk cutout, tree standing dead

PP/ST – Private property or street tree.
Tree ID – Unique identification number that correlates to the Tree Location Exhibit.
DBH – Diameter at breast height in inches – a forestry term used to define the trunk diameter at 4.5 feet from natural grade.
BT – Brown Trunk – a height measurement from natural grade to the bottom of the palm head or crown - used for palm trees instead of a diameter measurement.
Height – overall tree / palm height – estimated in feet.
Canopy N, E, S, W – tree / palm crown measurements in four compass directions – estimated in feet.
Health Grade – A to F; definitions on next page.
Structure Grade – A to F; definitions on next page.
PM – powdery mildew
MPE – multiple pruning events

HEALTH AND STRUCTURE GRADE DEFINITIONS

The assignment of health and structure grades is limited by what the assessing arborist can see from casual observation only. Health and structure ratings are based on an archetypal tree of the same species, determined by a subjective evaluation of physiological health, aesthetic quality, and structural integrity at the time of the tree's assessment from the ground, without benefit of aerial inspection or detailed root collar exam or excavation.

Overall physiological condition (health) and structural condition are rated A-F:

Health

A) **Outstanding** – Exceptional trees comprising above-average foliage production and vigor for their age class; exhibiting very good to excellent health as evidenced by normal to exceptional shoot growth during the current growing season, good bud development and leaf color, lack of leaf, twig or branch dieback throughout the crown, and the absence of decay, bleeding, or cankers. Common leaf and/or twig pests may be noted at very minor levels.

B) **Above average** – Good to very good trees that exhibit minor necrotic (dead) or physiological symptoms of stress and/or disease; shoot growth is less than reasonably expected, leaf color is less than optimal in some areas, the crown may be thinning, minor levels of leaf, twig, and branch dieback may be present, and minor areas of decay, bleeding, or cankers may be manifesting. Minor amounts of epicormic growth may be present. Minor amounts of fire damage or mechanical damage may be present. Still healthy, but with moderately diminished vigor and vitality. No significant decline noted.

C) **Average** – Average, moderately good trees whose growth habit and physiological or fire-induced symptoms indicate an equal chance to either decline or continue with good health into the near future. Most of these trees exhibit moderate to significant small dead material in outer crown areas, decreased shoot growth, and diminished leaf color and mass. Some stem and branch dieback is usually present and epicormic growth may be moderate to extensive. Cavities, pockets of decay, relatively significant fire damage, bark exfoliation, or cracks may be present. Moderate to significant amounts of insect or disease symptoms may be present; the tree may be shaded or crowded in such a way that it is expected to negatively impact the lifespan of the tree. Tree may be in early decline.

D) **Below Average/Poor** – trees whose growth habit and physiological or fire-induced symptoms indicate significant, irreversible decline. Most of these trees exhibit significant dieback of wood in the crown, possibly accompanied by significant epicormic sprouting. Shoot growth and leaf color and mass is either significantly diminished or nonexistent throughout the crown. Cavities, pockets of decay, significant fire damage, bark exfoliation, and/or cracks may be present. Significant amounts of insect or disease symptoms may be present; the tree may be shaded or crowded in such a way that it has negatively impacted the lifespan of the tree. Tree appears to be in irreversible decline.

F) **Dead or in spiral of decline** – this tree exhibits very little to no signs of life.

Structure

A) **Outstanding** – Trees with outstanding structure for their species exhibit trunk and branch arrangement and orientation that results in a sturdy form or architecture that can resist failure under normal circumstances. The spacing, orientation, and size of the branches relative to the trunk are quintessential for the species and free from defects. No outward signs of decay or pathological disease is present. Some trees exhibit naturally inherent branching defects, like multiple, narrow points of attachment from one point on the trunk, which would preclude them from achieving an "A" grade.

B) **Above average** - Trees with good to very good structure for their species. They exhibit trunk and branch arrangement and orientation that result in a relatively sturdy form or architecture that resists failure under normal circumstances, but may have some mechanical damage, over-pruning, or other minor structural defects. The spacing, orientation, and size of the branches relative to the trunk are still in the normal range for the species, but they exhibit a minor degree of defects. Minor, sub-critical levels of decay or pathological disease may be present, but the degree of damage is not yet structurally significant. Trees that exhibit naturally inherent branching defects, like multiple, narrow points of attachment from one point on the trunk, would generally fall into this category. A small percentage of the canopy may be shaded or crowded, but not in such a way that it is expected to negatively impact the structural integrity or lifespan of the tree.

C) **Average** - Trees with moderately good structure for their species, but with obvious defects. They exhibit trunk and branch arrangement and orientation that result in a less than sturdy form or architecture, which reduces their resistance to failure under normal circumstances. Moderate levels of mechanical damage, over-pruning, or other structural defects may be present. The spacing, orientation, and size of some of the branches relative to the trunk are not in the normal range for the species. Moderate to significant levels of decay or pathological disease may be present that increase the likelihood of structural instability. Influences such as an excessive trunk lean, slope erosion, root pruning, or other growth-inhibiting factors may be present. A moderate to significant percentage of the canopy may be shaded or crowded in such a way that it is expected to negatively impact the structural integrity or lifespan of the tree. Risk of full or partial failure in the near future appears to be moderately elevated.

D) **Well Below Average/Poor** - Trees with poor structure for their species and with obvious defects. They exhibit trunk and branch arrangement and orientation that result in a significantly less than sturdy form or architecture, significantly reducing their resistance to failure under normal circumstances. Significant levels of mechanical damage, over-pruning, or other structural defects may be present. The spacing, orientation, and size of many of the branches relative to the trunk are not in the normal range for the species. Significant levels of decay or pathological disease may be present that increase the likelihood of structural instability. Influences such as an excessive trunk lean, slope erosion, root pruning, or other growth-inhibiting factors may be present. A significant percentage of the canopy may be shaded or crowded in such a way that it is expected to negatively impact the structural integrity or lifespan of the tree. Risk of full or partial failure in the near future appears to be advanced.

F) **Severely Compromised** – trees with very poor structure and numerous or severe defects due to growing conditions, historical or recent pruning, mechanical damage, history of limb or trunk failures, advanced and irreparable decay, disease, or severe fire damage. Trees with this rating are in severe, irreparable decline, or are barely alive. Risk of full or partial failures in the near future may be severe.

APPLICATIONS

TREE DISCLOSURE STATEMENT

Los Angeles Municipal Code (LAMC) Section 46.00 requires disclosure and protection of certain trees located on private and public property, and that they be shown on submitted and approved site plans. Any discretionary application on a property that includes changes to the building footprint or any other change to the areas of the property not currently built upon or paved, including demolition, grading, or fence permit applications, or any discretionary change that could potentially remove or affect trees or shrubs, shall provide a Tree Disclosure Statement completed and signed by the Property Owner.

If the Tree Disclosure Statement indicates that there are any protected trees or protected shrubs on the project site and/or any trees within the adjacent public right-of-way that may be impacted or removed as a result of the project, a Tree Report (CP-4068) will be required, and the field visit must be conducted by a qualified Tree Expert, prepared and conducted within the last 12 months.

Property Address: 777 S. Alameda Street, Los Angeles, CA 90021

Date of Field Visit: December 17, 2024

Does the property contain any of the following protected trees or shrubs?

☐ **Yes** (Mark any that apply below)

- ☐ Oak, including Valley Oak *(Quercus lobota)* and California Live Oak (*Quercus agrifolia*) or any other tree of the oak genus indigenous to California, but excluding the Scrub Oak
- ☐ Southern California Black Walnut (*Juglans californica*)
- ☐ Western Sycamore (*Platanus racemosa*)
- ☐ California Bay (*Umbellularia californica*)
- ☐ Mexican Elderberry (*Sambucus mexicana*)
- ☐ Toyon (*Heteromeles arbutifolia*)

☑ **No**

Does the property contain any street trees in the acjacent public right-of-way?

☑ **Yes** ☐ **No**

Does the prcject occur within the Mt. Washington/Glassell Park Specific Plan Area and contain any trees 12 inches or more diameter at 4.5 feet above average natural grade at base of tree ano/or is more than 35 feet in height?

☐ **Yes** ☑ **No**

Does the prcject occur within the Coastal Zone and contain any of the following trees?

☐ **Yes** (Mark any that apply below)

- ☐ Blue Gum Eucalyptus *(Eucalyptus globulus)*
- ☐ Red River Gum Eucalyptus *(Eucalyptus camaldulensis)*
- ☐ Other Eucalyptus species

☑ **No**

Have any trees or shrubs been removed in the last two years?

☐ **Yes** ☑ **No** None noted

If Yes, were any protected species (as listed in Ordinance No. 186,873)?

☐ **Yes** ☐ **No**

If Yes, provide permit information: _____

Tree Expert Credentials (if applicable)

Name of Tree Expert: Cy Carlberg, Carlberg Associates

Mark which of the following qualifications apply:

- ☐ Certified arborist with the International Society of Arboriculture who holds a license as an agricultural pest control advisor
- ☐ Certified arborist with the International Society of Arboriculture who is a licensed landscape architect
- ☑ Registered consulting arborist with the American Society of Consulting Arborists

Certification/License No.: Registered Consulting Arborist #405

Owner's Declaration

I acknowledge and understand that knowingly or negligently providing false or misleading information in response to this disclosure requirement constitutes a violation of the Los Angeles Municipal Code Section 46.00, which can lead to criminal and/or civil legal action. I certify that the information provided on this form relating to the project site and any of the above trees and/or biological resources is accurate to the best of my knowledge.

Name of the Owner (Print) Jeffrey A. Goldberger

Owner Signature _____ Date 1/2/25

Carlberg ASSOCIATES

Horticulturists and
Registered Consulting
ARBORISTS

CITY OF LOS ANGELES TREE REPORT
ROW DTLA – MIXED-USE PROJECT
757-787 SOUTH ALAMEDA STREET
1318-1396 EAST 7TH STREET
736-796 SOUTH CENTRAL AVENUE
1301-1327 EAST 8TH STREET
700-760 SOUTH MARKET COURT
720-746 SOUTH TERMINAL STREET
760 SOUTH WAREHOUSE STREET
LOS ANGELES, CA 90021

SUBMITTED TO:

ALAMEDA SQUARE OWNER LLC
40 WEST 57TH STREET, 29TH FL
NEW YORK, NY 10019
C/O MARISA FONTAINE, ATLAS CAPITAL GROUP LLC

PREPARED BY:

CY CARLBERG
ASCA REGISTERED CONSULTING ARBORIST #405
ISA CERTIFIED ARBORIST #WE 0575A
ISA QUALIFIED TREE RISK ASSESSOR
CAUFC CERTIFIED URBAN FORESTER #013

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JANUARY 4, 2024
(REV. NOVEMBER 4, 2024)

CITY OF LOS ANGELES TREE REPORT – ROW DTLA – MIXED-USE PROJECT

TABLE OF CONTENTS

EXECUTIVE SUMMARY 1

ASSIGNMENT AND PURPOSE OF THE TREE REPORT 1

PROJECT OVERVIEW 3

- TABLE 1 – PROJECT INFORMATION 3
- EXHIBIT A – PROJECT LOCATION MAP 4
- EXHIBIT B – AERIAL IMAGE OF THE PROJECT SITE 5

TREE ASSESSMENT METHODOLOGY AND DATA PRESENTATION 6

OBSERVATIONS 7

TABLE 2 – SUMMARY OF INVENTORIED PROJECT SITE AND IMMEDIATELY ADJACENT STREET TREES 7

TABLE 3 – SUMMARY OF NON-PROTECTED TREES 8

TABLE 4 – SUMMARY OF STREET TREES 8

EXHIBIT C - REDUCED COPY OF THE TREE LOCATION EXHIBIT (11" x 17" page) 11

EXHIBIT D - REDUCED COPY OF THE TREE IMPACT EXHIBIT (11" x 17" pages) 12

DISCUSSION OF PROJECT IMPACTS 14

TABLE 5 – NON-PROTECTED TREES TO BE REMOVED 16

TABLE 6 – STREET TREES TO BE PRESERVED 17

CONCLUSION AND RECOMMENDATIONS 19

CERTIFICATION OF PERFORMANCE 22

ARBORIST DISCLOSURE STATEMENT 23

LIST OF CONTIBUTORS AND RESUMES OF KEY STAFF 24

EXHIBIT E – DEFINITION OF HEALTH AND STRUCTURE GRADES 28

EXHIBIT F - GLOSSARY OF ARBORICULTURAL & DENDROLOGICAL TERMS 30

EXHIBIT G – LIST OF ACRONYMS 33

EXHIBIT H – TREE INVENTORY FIELD DATA (TABLE 7) 34

EXHIBIT I – TREE PHOTOGRAPHS 37

EXHIBIT J - BIBLIOGRAPHY OF GENERAL REFERENCES USED TO PREPARE THE DOCUMENT 43

Carlberg ASSOCIATES
Horticulturists and Registered Consulting ARBORISTS

January 4, 2024 (rev. November 4, 2024)

Alameda Square Owner LLC
40 West 57th Street, 29th FL
New York, NY 10019
c/o Marisas Fontaine, Atlas Capital Group LLC

Re: ROW DTLA – Mixed-Use Project – City of Los Angeles Tree Report

Dear Ms. Fontaine,

This report addresses our office's site visit on December 9, 2023 to the site of the ROW DTLA mixed-use project (the "Project") located at 757-787 S. Alameda Street, 1318-1396 E. 7th Street, 736-796 S. Central Avenue, 1301-1327 E. 8th Street, 700-760 S. Market Court, 720-746 S. Terminal Street, and 760 S. Warehouse Street (the "Site") located in the Central City Community Plan area of the City of Los Angeles, California (the "City").

EXECUTIVE SUMMARY

The Site consists of three large, irregularly shaped parcels that collectively measure approximately 31 acres in size. It occupies the northern half of the block bounded by E. 7th Street on the north, S. Central Avenue on the west, S. Alameda Street on the east, and E. Olympic Boulevard to the south, with the partially vacated former E. 8th and Bay streets providing internal access within the middle of the block.

The Project proposes the construction of two mixed-use buildings and one multi-family building on the existing paved surface parking lots on a portion of the Site. The Site is located in an expansive industrial district east of Downtown Los Angeles. The area surrounding the Site is primarily developed with warehouses, cold storage facilities, small-scale manufacturing operations, and other industrial uses, though in more recent years newer commercial office, commercial retail, and residential uses have been developed in the vicinity of the Site.

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828 Fifth Street, Suite 3
Santa Monica, California 90403
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www.cycarlberg.com

A total of 28 trees were inventoried: 11 are private property trees (none are protected) and 17 are City of Los Angeles street trees. All non-protected private property trees are being proposed for removal; the street trees are unaffected by construction and will be preserved. ***There are no City of Los Angeles Ordinance protected trees associated with the properties.*** Further, there are no trees whose canopies or protected zones overhang the project site boundaries.

ASSIGNMENT AND PURPOSE OF THE TREE REPORT

Carlberg Associates (Carlberg) was retained to conduct a tree inventory and prepare a Tree Report in accordance with guidelines set forth by the City of Los Angeles's Tree Protection Ordinance No. 186,873 and Tree Report Template (CP-4068, July 13, 2023).

City of Los Angeles's Tree Protection Ordinance No. 186,873 (Ordinance)
Protected trees and shrubs as set forth in the Ordinance comprise the following species that measure four inches or greater in "cumulative"[1] trunk diameter (measured at 4.5 feet above natural grade):

- coast live oak (*Quercus agrifolia*)
- valley oak (*Quercus lobata*)
- any other southern California indigenous oak trees but excluding scrub oak (*Quercus berberidifolia*)
- western sycamore (*Platanus racemosa*)
- Southern California black walnut (*Juglans californica)*
- California bay laurel (*Umbellularia californica*)
- Mexican elderberry (*Sambucus mexicana*)
- toyon (*Heteromeles californica*)

Public rights-of-way, parkway, median, and street trees are protected regardless of species or size and must be included in the tree inventory and report.

Los Angeles City Planning CP-4068 [07.07.2022] Tree Report Template (Template)
The Template (dated July 13, 2023) requires the collection and reporting on additional data beyond that required by the Ordinance, both on- and offsite. Some key requirements of the Template include inventory and assessment of all onsite trees regardless of species or size, inventory of offsite trees whose protected zones (12 x the trunk diameter at standard or breast height) may be impacted by the project, inventory of all adjacent street trees, photographs of each tree along with a photograph of a leaf from each tree type, mapping of all trees' locations and their canopies (driplines) plus protected zones, and the tree expert's opinion as to whether the tree occurs naturally or was planted.

This Tree Report will be used during the entitlement and environmental approval process to aid decision-makers and the public in understanding the existing tree resources present on and immediately adjacent to the project site, the potential impacts of the project on the existing tree resources, and the proposed recommendations for tree protection, monitoring, and required mitigation during implementation of the Project.

[1] For purposes of value assessments and other analyses, trunk diameters of multi-stemmed trees will be converted to a single trunk diameter using the methodology set forth in the *Guide for Plant Appraisal*, 10th Edition.

PROJECT OVERVIEW

Project Location

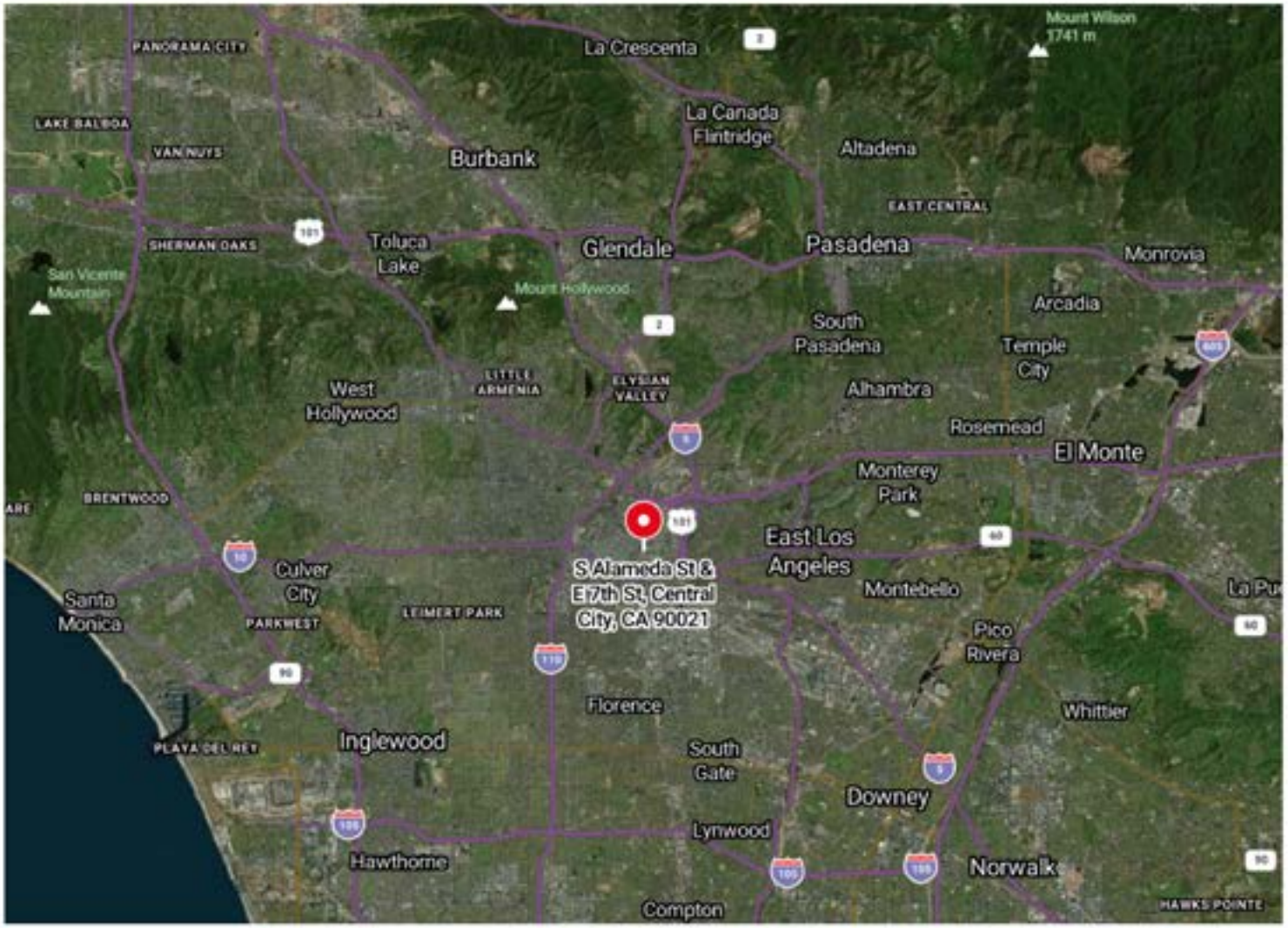
Table 1 includes basic project information for the ROW DTLA – Mixed-Use Project.

TABLE 1 – PROJECT INFORMATION

Project Name	ROW DTLA – Mixed-Use Project
Project Address	757-787 S. Alameda Street, 1318-1396 E. 7th Street, 736-796 S. Central Avenue, 1301-1327 E. 8th Street, 700-760 S. Market Court, 720-746 S. Terminal Street, and 760 S. Warehouse Street, Los Angeles, CA 90021
Project APN	
Project Site Area	31.33-acres
Entitlement Case No.	TBD
Environmental Case No.	TBD
Owner / Applicant	Alameda Square Owner, LLC
Owner Representative	Marisa Fontaine Atlas Capital Group LLC 40 West 57th Street, 29th FL New York, NY 10019 212-554-2269

Exhibits A and B on the following pages illustrate the general project location and an aerial image of the site.

EXHIBIT A – PROJECT LOCATION MAP

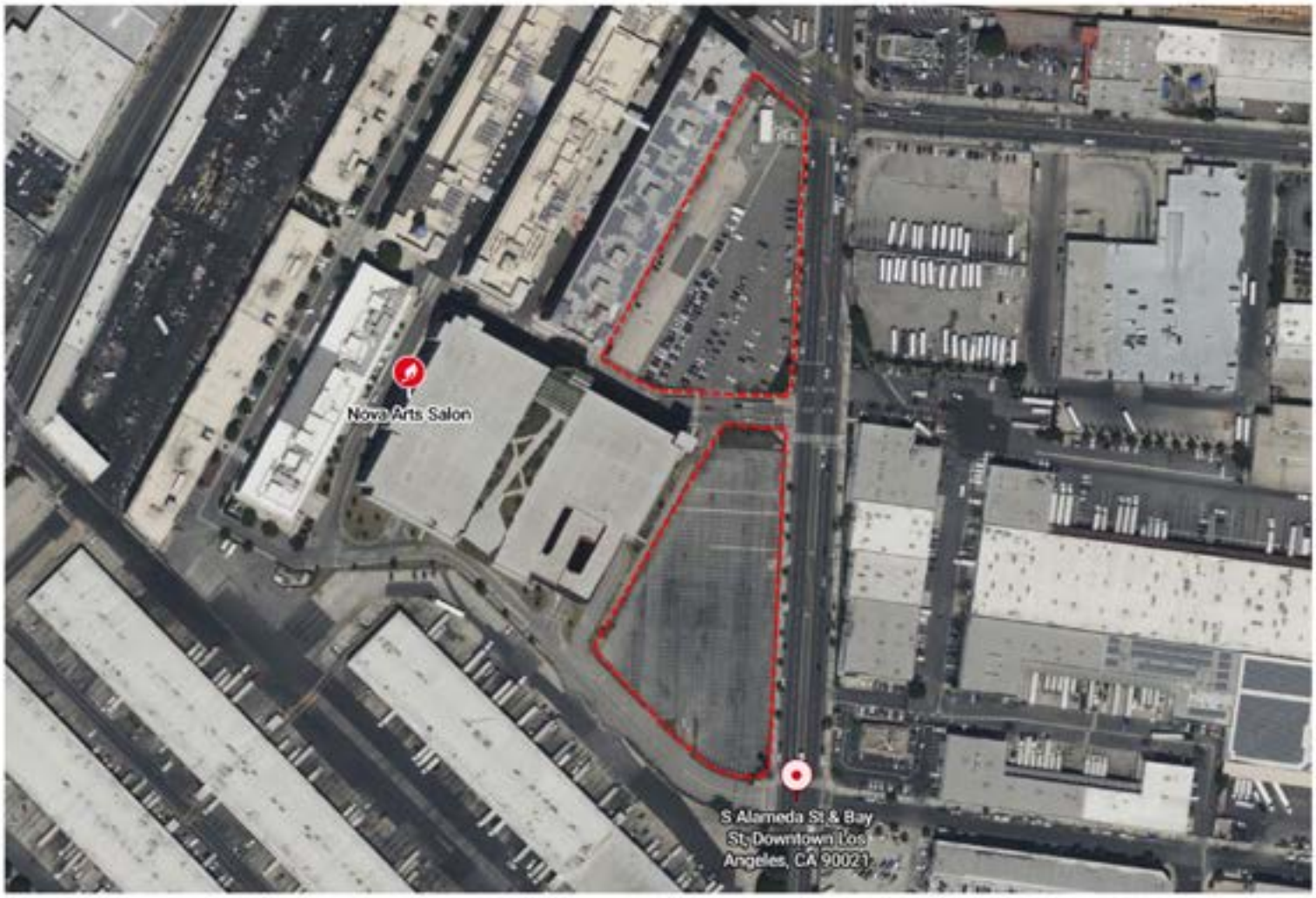


Source – Bing Maps
No Scale

ROW DTLA – Mixed-Use Project Site
Los Angeles, California 90021

N

EXHIBIT B – AERIAL IMAGE OF THE PROJECT SITE



Source – Bing Maps
No Scale

ROW DTLA – Mixed-Use Project Site
Los Angeles, California 90021

N

Project Description

The Project proposes the construction of two mixed-use buildings and one multi-family building on the existing paved surface parking lots on a portion of the Site. The Site is located in an expansive industrial district east of Downtown Los Angeles. The area surrounding the Site is primarily developed with warehouses, cold storage facilities, small-scale manufacturing operations, and other industrial uses, though in more recent years newer commercial office, commercial retail, and residential uses have been developed in the vicinity of the Site.

A total of 28 trees were inventoried: 11 are private property trees (none are protected) and 17 are City of Los Angeles street trees. All non-protected private property trees are being proposed for removal; the street trees are unaffected by construction and will be preserved. ***There are no City of Los Angeles Ordinance protected trees associated with the properties.*** Further, there are no trees whose canopies or protected zones overhang the project site boundaries.

TREE ASSESSMENT METHODOLOGY AND DATA PRESENTATION

Project Trees

Carlberg arborists and field technicians conducted the tree inventory on December 9, 2023. Weather conditions were mostly sunny throughout the duration of the inventory.

The tree inventory was conducted on foot. We traversed the entire project site to inventory and assess all onsite trees and all offsite trees whose canopies or protected zones[2] extended into the project site.

The trees were identified, their health and structural condition evaluated[3], trunk diameters measured, heights and canopy spreads approximated, and trunk locations plotted on the topographic survey map provided to us by the project team. More specifically, the inventory included the following assessment factors for protected and non-protected, onsite, immediately offsite, and street trees:

- **Tree Number** (unique tree number engraved on an aluminum tag affixed to each tree, as access allowed)
- **Botanical and Common Name**
- **Trunk Diameter** (diameter at standard height (DSH) / diameter at breast height (DBH) is measured at 4.5 feet above natural grade, or as indicted in the spreadsheet if deviated)
- **Indication** if the tree is a sapling or has a diameter of less than 4 inches
- **Height and Canopy Spread** (approximated)
- **Physiological Condition (health)**
- **Structural Condition**
- **Presence of infectious tree diseases and / or pests**
- **Treatments** (if pests or diseases are outwardly apparent, treatment is generally recommended, but no specific treatment will be called out since only a licensed pest control advisor may opine on specific treatments)
- **Expert opinion** if the tree appears to be naturally occurring or intentionally planted
- **Photographs of All Trees** (or groups of trees where applicable)

Field data was collected on tablets, tree trunk locations were generally mapped on a 50-scale, 36" x 48" topographic sheet map, and photographs were taken with digital cameras. Tree identification numbers, trunk

[2] 'Protected zone' equals 15 feet from the dripline of a tree or 15 feet from the trunk of an unbalanced or young tree, whichever is greater.
[3] Each tree is assigned two letter grades, one for overall health and one for structure. Definitions for the letter grades are included in the appendices of this report.

locations, and tree canopies with protection zones are graphically represented on the Tree Location Exhibit prepared by Carlberg in AutoCAD.
A Tree Photograph Exhibit provides captioned photographs of the trees, and provides an idea of site context, tree densities, conformation, and vigor.

OBSERVATIONS

PROJECT SITE TREES

We inventoried and assessed 28 trees of three species on and immediately adjacent to the property: there were no off-site trees whose canopies overhang the subject property.

Of the 28 trees, 17 are street trees and 11 are non-protected private property trees. **Table 2** summarizes the three types of trees found, their onsite or street tree status, and how many of each type are included in the inventory.

TABLE 2 – SUMMARY OF INVENTORIED PROJECT SITE AND IMMEDIATELY ADJACENT STREET TREES

COMMON NAME	BOTANICAL NAME	TOTAL NO. ONSITE	TOTAL NO. OFFSITE	TOTAL NO. STREET TREES	TOTAL NO. TREE SPECIES
African fern pine	*Afrocarpus falcatus*			17	17
London plane	*Platanus x hispanica*	8			
Mexican fan palm	*Washingtonia robusta*	3			
		11		**17**	**28**

Exhibit C – Reduced Copy of the Tree Location Exhibit on page 11 provides an illustrative presentation of the existing trees.

Exhibits on the following pages include the **Tree Inventory Field Data and Tree Photograph Exhibit**. The following **Tables 3-4** are summaries of the private property, non-protected and street trees.

TABLE 3 – SUMMARY OF NON-PROTECTED TREES

PRIVATE PROPERTY (PP)	TREE ID NO.	COMMON NAME	BOTANICAL NAME	DSH /DBH (IN.)	BT (brown trunk for palms)	HEIGHT (FT.)	CANOPY N (FT.)	CANOPY E (FT.)	CANOPY S (FT.)	CANOPY W (FT.)	HEALTH GRADE	STRUCTURE GRADE
PP	1	Mexican fan palm	*Washingtonia robusta*	—	40' BT	50	8	8	8	8	A	B
PP	2	Mexican fan palm	*Washingtonia robusta*	—	45' BT	55	8	8	8	8	A	B
PP	3	London plane	*Platanus* x occidentalis	7.7		25	10	10	10	10	B	B
PP	4	London plane	*Platanus* x occidentalis	6.5		20	8	8	8	8	B	B
PP	5	London plane	*Platanus* x occidentalis	8		30	12	12	12	12	B	B
PP	6	London plane	*Platanus* x occidentalis	9		35	10	10	10	10	B	B
PP	7	London plane	*Platanus* x occidentalis	8.4		30	12	10	12	12	B	B
PP	8	London plane	*Platanus* x occidentalis	7.8		30	12	12	12	12	B	B
PP	9	London plane	*Platanus* x occidentalis	7		30	10	10	10	10	B	B
PP	10	London plane	*Platanus* x occidentalis	7.2		35	12	14	12	12	B	B
PP	11	Mexican fan palm	*Washingtonia robusta*	—	45' BT	55	8	8	8	8	A	B

TABLE 4 – SUMMARY OF STREET TREES

STREET TREE (ST)	TREE ID NO.	COMMON NAME	BOTANICAL NAME	DSH /DBH (IN.)	BT (brown trunk for palms)	HEIGHT (FT.)	CANOPY N (FT.)	CANOPY E (FT.)	CANOPY S (FT.)	CANOPY W (FT.)	HEALTH GRADE	STRUCTURE GRADE
ST	ST12	fern pine	*Afrocarpus gracilior*	7.5" at 4'		16	6	6	8	8	A	B
ST	ST13	fern pine	*Afrocarpus gracilior*	7.5		14	8	8	8	6	A	B
ST	ST14	fern pine	*Afrocarpus gracilior*	7.5" at 3'		12	6	6	6	4	A	B
ST	ST15	fern pine	*Afrocarpus gracilior*	5.5		12	6	6	6	4	A	B
ST	ST16	fern pine	*Afrocarpus gracilior*	8.3" at 3'		18	8	6	8	8	A	B
ST	ST17	fern pine	*Afrocarpus gracilior*	8		16	6	5	6	8	A	B
ST	ST18	fern pine	*Afrocarpus gracilior*	6.3		14	6	4	6	5	A	B
ST	ST19	fern pine	*Afrocarpus gracilior*	6.8		16	6	6	8	8	A	B
ST	ST20	fern pine	*Afrocarpus gracilior*	7.2		16	6	6	8	8	A	B
ST	ST21	fern pine	*Afrocarpus gracilior*	7.5" at 4'		12	6	4	6	5	A	B
ST	ST22	fern pine	*Afrocarpus gracilior*	5.7		14	6	6	6	6	A	B
ST	ST23	fern pine	*Afrocarpus gracilior*	7" at 4'		16	6	5	8	8	A	B
ST	ST24	fern pine	*Afrocarpus gracilior*	6		14	6	6	6	6	A	B
ST	ST25	fern pine	*Afrocarpus gracilior*	6.5" at 4'		14	8	4	6	6	A	B

TABLE 4 – SUMMARY OF STREET TREES

STREET TREE (ST)	TREE ID NO.	COMMON NAME	BOTANICAL NAME	DSH /DBH (IN.)	BT (brown trunk for palms)	HEIGHT (FT.)	CANOPY N (FT.)	CANOPY E (FT.)	CANOPY S (FT.)	CANOPY W (FT.)	HEALTH GRADE	STRUCTURE GRADE
ST	ST26	fern pine	*Afrocarpus gracilior*	6.1" at 3'		16	6	6	6	8	A	B
ST	ST27	fern pine	*Afrocarpus gracilior*	7.2		17	8	6	8	10	A	B
ST	ST28	fern pine	*Afrocarpus gracilior*	6		14	4	6	6	7	A	B

In our opinion, the private property trees have been planted into the landscape or have grown as volunteers (a plant that grows on its own rather than being deliberately planted)

Dbh: diameter at breast height – a forestry term used to describe a tree trunk's diameter measured at 4.5 feet above grade; typically used as a representation of tree size. Also known as Diameter at Standard Height.

BT – Brown Trunk. Because palms do not generally increase in trunk diameter as they mature, they are measured in their brown trunk height, the distance between natural grade and the newest emerging spear.

EXHIBIT C – REDUCED COPY OF THE TREE LOCATION EXHIBIT (NOT TO SCALE)

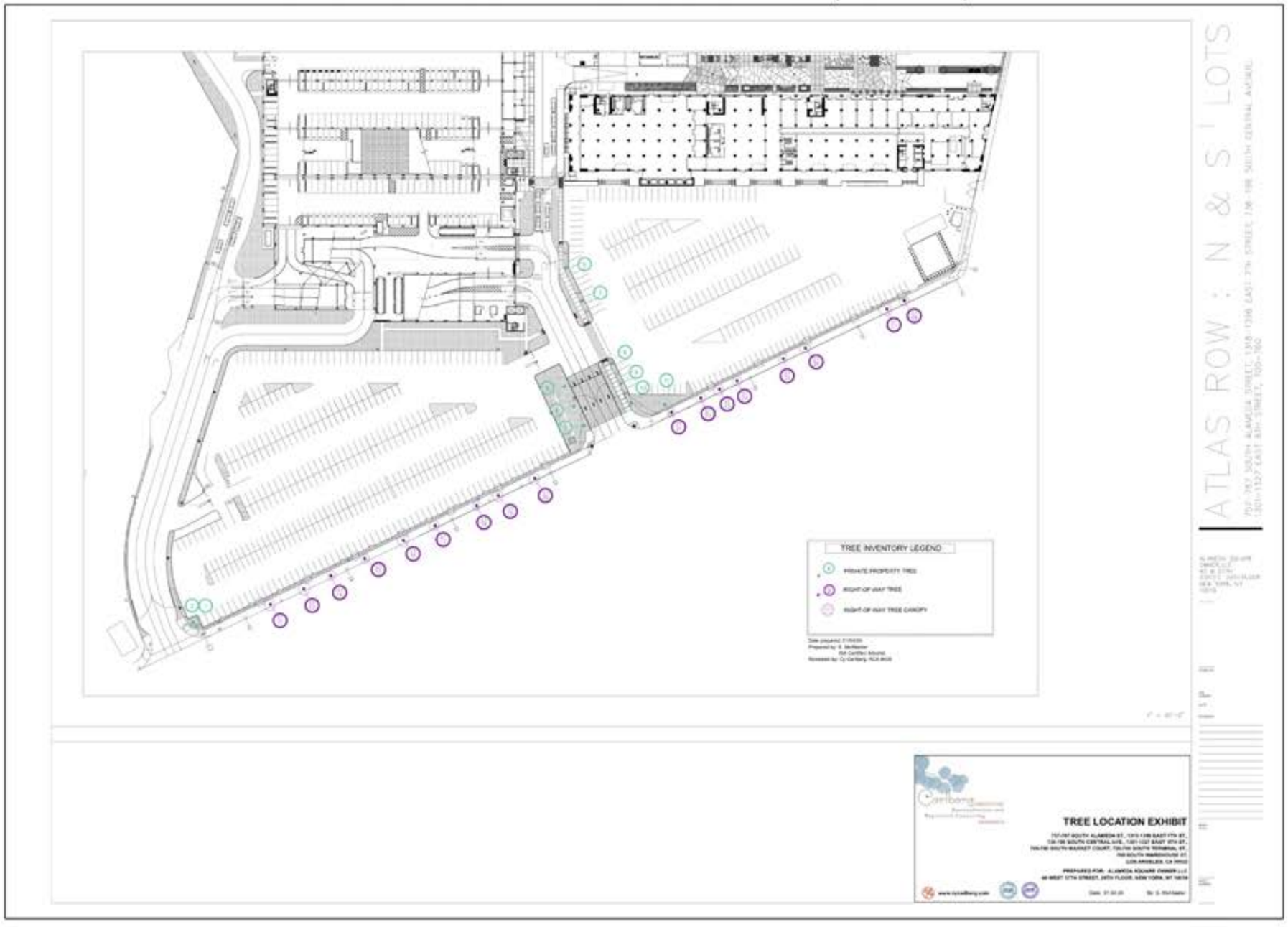
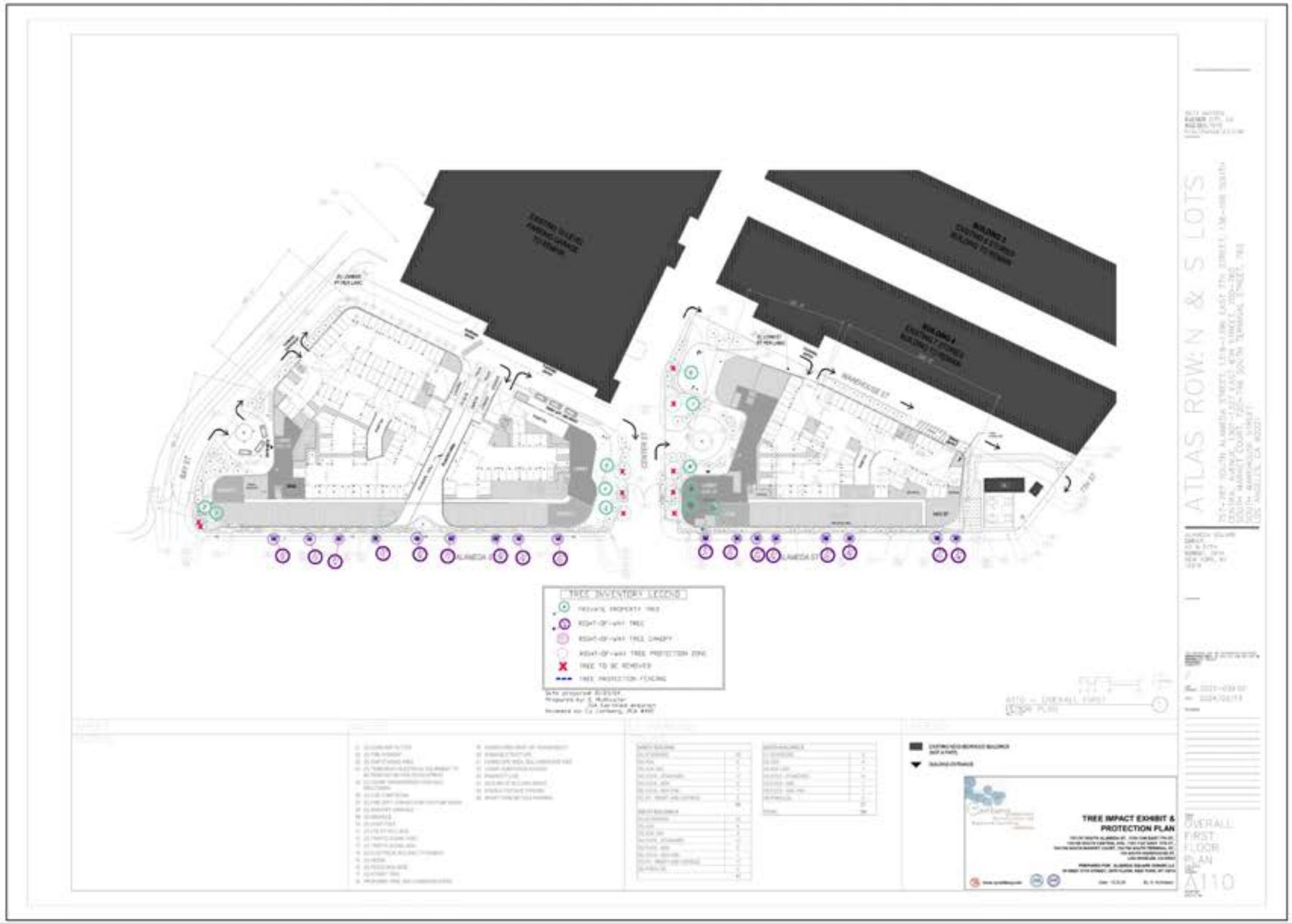


EXHIBIT D – REDUCED COPY OF THE TREE IMPACT EXHIBIT (NOT TO SCALE) – 2 PAGES



Tree Protection Notes

Tree Protection Zone Definition and Notes

1. Unless otherwise defined by the project's jurisdictional entity (City Of Los Angeles), the Tree Protection Zone (TPZ) is defined here as the outer edge of the tree canopy (or dripline) plus five feet, or 15 feet from the trunk, whichever is greater. This is intended to provide both canopy and root protection.

2. Tree roots are generally located in the top 12 - 36 inches of the soil surface and can extend to a distance exceeding the tree's height and/or width.

3. In general, and depending on the type of tree, large structural roots (defined here as those greater than 2 inches in diameter) usually extend about three to five feet from the trunk before they turn downward or branch off into smaller roots.

4. If damaged, cut, scuffed, or torn, structural roots can become infected with root disease that may result in wood decay or death of tissue in the trunk, roots, or root collar. With time, dieback related to cambium death may reach the lateral and upper branches of the tree.

5. In addition to structural roots, trees typically have thousands of smaller feeder/absorptive roots in the upper layers of soil that absorb water and nutrients and provide for gas exchange. Absorbing roots of the tree can sustain damage during construction from lack of water, soil compaction, cutting, tearing, or scraping.

Pruning

1. Pruning may require a permit. It is incumbent on the Applicant or Developer to contact the appropriate agencies for pruning permits, pay necessary application & permit fees, etc.
2. To maintain tree integrity, pruning shall be monitored by the Project Arborist.
3. Pruning should be in accordance with the most recent editions of the International Society of Arboriculture Best Management Practices and ANSI A300 Pruning Standard.
4. Pruning of oaks should be limited to the removal of dead wood and the correction of potentially hazardous conditions, as evaluated by the Project Arborist. Excessive pruning is harmful to oaks and many other trees. Removal or reduction of major structural limbs should be done only as required for actual building clearance or safety, and only at the recommendation of the Project Arborist. If limbs must be removed, cuts should be made perpendicular to the branch, to limit the size of the cut face. The branch bark collar should be preserved (i.e. no "flush cuts"), and cuts should be made in such a way as to prevent the tearing of bark from the tree.
5. Pruning of trees other than oaks should be limited to the removal or reduction of major structural limbs and should be done only as required for actual building clearance or safety, and only at the recommendation of the Project Arborist. If limbs must be removed, cuts should be made perpendicular to the branch, to limit the size of the cut face. The branch bark collar should be preserved (i.e. no "flush cuts"), and cuts should be made in such a way as to prevent the tearing of bark from the tree.

Inspections

1. Inspection of Protective Fencing - The Project Arborist shall inspect the tree protection fencing prior to demolition, grubbing, grading, or construction. City staff may also inspect fencing to verify placement and approval of materials prior to the commencement of demolition, grading, or construction.
2. Pre-construction meeting - City staff may require an on-site pre-construction meeting with the contractor and or applicant to discuss tree protection with the site supervisor, grading equipment contractors, and demolition crew. The Project Arborist shall be present at that meeting.
3. Inspection during rough grading - City staff my require inspection to ensure protected trees will not be injured by compaction, cut or fill, drainage and trenching activities.
4. Special Activity in the Tree Protection Zone - The Project Arborist shall provide direct on-site supervision of work in the tree protection zone, as they deem appropriate, or as directed in the project's tree permit and conditions of approval.
5. Periodic Inspections - City staff may require inspections verifying adherence to tree protection measures during the on-going construction process. Allow a minimum of 48-72 hours for scheduling inspections.
6. The Project Arborist shall report discrepancies or deficiencies in Tree Protection to the site superintendent / Applicant for corrective action. If corrective actions are not taken in a reasonable time frame, the Project Arborist may notify City staff for enforcement action.
7. Final inspection shall occur after all work is completed for the project, including landscape installments.

Tree Protection Guidelines

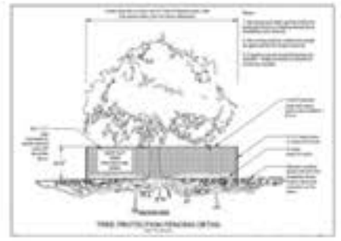
The following guidelines are intended to minimize damage to the canopies and root systems of trees to remain in the project area (regardless of protected or non-protected status from ordinance or code restrictions).

1. Construction activity shall be diverted from the Tree Protection Zone, as practical to the space and as permitted for encroachments.
2. A Project Arborist shall be retained by the Applicant / Developer to monitor the trees and inspect the tree protection measures during development activities. The Project Arborist shall monitor all work that must be performed in the Tree Protection Zone. The Project Arborist should be experienced in construction monitoring and shall be an ISA Certified Arborist and/or an ASCA Registered Consulting Arborist®.
3. Some encroachments into the Tree Protection Zone may be unavoidable. Encroachments may only be allowed by permit. It is incumbent on the Applicant to apply for and obtain the necessary tree removal and/or encroachment permits from the appropriate jurisdiction. Copies of the removal/encroachment permit (where necessary) shall be maintained onsite with a copy of this plan.
4. Protective chain-link fencing, at least five feet in height, with an access gate of minimal width, shall be installed at the limits of the Tree Protection Zone (or as drawn on the Tree Protection Plan) and approved in place by the Project Arborist prior to commencement of any demolition, grubbing, grading or construction. This pertains to both public trees (parkway trees, etc.), where applicable, and private trees.
5. When chain link fencing cannot be placed to the limits of the Tree Protection Zone due to approved encroachments, the Project Arborist may require that orange snow fencing be placed at the limits of the Tree Protection Zone as a temporary protection measure until the encroachment work is performed. This will be determined at a pre-demolition-construction job site meeting with the contractor and/or applicant.
6. Non-protected trees should be protected with a minimum of orange snow fencing at the limits of work.
7. The Tree Protection Zone should be sufficiently irrigated with clean potable water to keep the tree in good health and vigor before, during, and after construction. This may include occasional deep-watering treatments. Installation of layers of sandbags or other material to create a watering well, or berm, may be necessary. The Project Arborist will recommend this activity, if necessary.
8. No construction staging or disposal of construction materials or byproducts, including but not limited to, paint, plaster, or chemical solutions is allowed in the Tree Protection Zone.
9. The Tree Protection Zone shall not be subjected to flooding or runoff incidental to the construction work.
10. Unless otherwise stated in the project's conditions of approval and/or the tree encroachment permit, all work conducted in the ground within the Tree Protection Zone should be accomplished with hand tools or other small equipment that is approved by the Project Arborist.
11. Permitted / approved trenches in the Tree Protection Zone should be tunneled, dug by hand, or completed with an air-spade to minimize damage to roots. Information regarding air-spades is available from the Project Arborist.
12. Permitted / approved trenches should be routed in such a manner as to minimize root damage. Radial trenching (radial to the tree trunk) is preferred since it is less harmful than tangential trenching. Cutting of roots should be avoided by, for example, placing pipes and cables below uncut roots. Wherever possible and in accordance with applicable code requirements, the same trench should be used for multiple utilities.
13. Except as permitted by the limits of an encroachment, "natural" or pre-construction grade shall be maintained in the Tree Protection Zone. At no time during or after construction should excess soil be in contact with the base of the trunk.
14. In areas where the grade around the protected tree is permitted for excavation and reduction, some root cutting may be unavoidable. Encroachment permits may be required for this work. Cuts should be clean and made at right angles to the roots. When practical, cut roots back to a branching lateral root. The Project Arborist shall monitor all root excavation and pruning.
15. When removing existing pavement, foundations, utilities, etc. in the Tree Protection Zone, avoid the use of heavy equipment, which may compact and damage the host system. The Project Arborist shall monitor all demolition activities in the Tree Protection Zones.
16. If the Project Arborist requires mulch in the Tree Protection Zone, the mulch materials and location will be shown on the plan or discussed during inspections.
17. Root damage and soil compaction may be mitigated in some cases by using plywood, mulch, or mulch overlain with plywood in the Tree Protection Zone. The Project Arborist may require this action at any point during demolition and construction as the project progresses.
18. Canopy tie-backs - canopy ties may be recommended instead of pruning. The Project Arborist may require this action at any point during demolition and construction as the project progresses.
19. Weather-proof, minimum 8.5 x 10 inches, signage shall be applied to the fencing (with zip-ties or other fasteners) on all sides. It will state:

Tree Protection Fencing
Do Not Remove Without Authorization From
CITY OF LOS ANGELES
Questions - call Project Arborist: Carlberg Associates
Christy Cuba (626) 426-9072 or Cy Carlberg (310) 451-4604

Definitions

1. Basal flare or root crown means the tree trunk where it emerges from the root system and flares out to create the base of the tree.
2. Canopy means the area of a tree that consists primarily of branches and leaves.
3. Dripline means the outermost area of the tree canopy (leafy area of tree).
4. The cambium layer is located immediately beneath the bark and is responsible for the increase of stem and root diameter.
5. Certified Arborist means an individual who has demonstrated knowledge and competency through obtainment of the current International Society of Arboriculture Arborist Certification (Certified Arborist).
6. Registered Consulting Arborist® means an individual who has demonstrated knowledge and competency through the American Society of Consulting Arborists' registration process and maintains membership and registration as required by the organization.
7. Public Trees are defined as trees that are located in a center median, in the parkway between the curb face and the property line or are in an easement. For work on these trees, including installation of Tree Protection Fencing, contact the City of Los Angeles (City Urban Forestry Division). A permit is generally required for fencing, pruning, or otherwise impacting parkway trees. Some Public Works Departments have their own Tree Protection Specifications.



SHEET NOTES	NOTES	L1 PARKING COUNT	LEGEND



ATLAS ROW: N & S LOTS

OVERALL FIRST FLOOR PLAN

A110

2022-039.00
2024/03/13

DISCUSSION OF PROJECT IMPACTS

There are numerous potential consequences related to residential construction that may affect trees during and after a typical construction process. They are as follows:

- EXCAVATION - ROOT SEVERANCE
- SOIL COMPACTION (DURING AND POST-CONSTRUCTION)
- ALTERATION OF THE WATER TABLE/SITE DRAINAGE
- CHANGES IN GRADE – CUT OR FILL
- SUBSTANTIAL TRIMMING OF CANOPY OR ROOTS

A. *Excavation/Trenching—Root Severance*

Trenching can include excavation for irrigation, utility, or drainage lines. Trenching and excavation can also be required for foundations of structures and free-standing walls. Trenching and excavation removes soil and tree roots. When performed in the critical root zone (approximately 5x the trunk diameter of any tree) or within the dripline (outer edge of the natural canopy), there is the potential to remove large areas of root mass, and to shatter and tear roots that will remain connected to the tree(s). Torn and shattered roots cannot callous over or generate new roots in the manner of cleanly-cut roots. Torn and shattered roots are potentially unstable, are entry points for disease and decay organisms, and eventually die. Significant root loss and/or severance can be critical to the health and structure of trees to remain in a landscape.

B. *Soil Compaction*

Soil compaction is a complex set of physical, chemical, and biological constraints on tree growth. Principal components leading to limited growth are the loss of aeration and pore space, poor gas exchange with the atmosphere, lack of available water, and mechanical hindrance of root growth. Soil compaction is considered the largest single factor responsible for the decline of trees on construction sites.

C. *Changes in Grade*

Changes in grade, by the addition or removal of soil (filling or cutting), can be injurious. Lowering the grade around trees can have immediate and long-term effects on trees. The addition of soil and compaction for common engineering practices also results in long-term effects on trees. Typically, the vast majority of the root mass exists within the top three feet of soil, and most of the fine roots active in water and nutrient absorption are in the top 12 inches.

D. *Alteration of the Water Table/Site Drainage*

The water table is the upper surface of the zone in which soil macropores are saturated with water; water tables may vary seasonally. Rather than a flat, static surface, the water moves down a gradient. Its depth varies, depending on the structure of the soil and rocks through which it flows. A perched water table may form in soils that have impermeable strata. Swamps are created where the water table intersects level ground.

Structures such as footings, basements, subterranean buildings, and retaining walls may intercept impermeable layers in the soil on which water perches. If adequate drainage is not provided, the water table uphill may gradually rise and interfere with tree roots. This type of damage usually takes a period of time to be recognized and diagnosed.[4]

Numerous trees are particularly susceptible to root infections, such as Armillaria and Phytophthora. Both of these fungal diseases can progressively weaken a root system, resulting in dead branches in the canopy of the tree, loss

[4] Nelda Matheny and James R. Clark, Trees and Development: A Technical Guide to Preservation of Trees During Land Development, (Champaign, Illinois: International Society of Arboriculture, 1998), pp. 88-89.

of stability of the entire tree because of decaying roots, and premature death of the tree. Trees form roots in accordance with existing soil composition and water availability. Minor drainage changes in the winter and spring months are significant to the health of the trees.

E. Canopy and Root Pruning

Leaves perform vital functions for trees. Through photosynthesis, they manufacture sugars that feed the tree and are used to create the building blocks of wood. Leaves help to move water and nutrients up from the roots and around the tree through their vascular system and cool the tree down through transpiration.
Leaves moderate temperatures beneath the tree, lessen the drying action of winds, and intercept rainfall, which reduces erosion. On the ground, they moderate soil temperatures, retain moisture, and as they decompose, return their nutrients back to the soil to be recycled and reused by the tree. A healthy canopy of leaves is essential to ensure an adequate food supply for the roots to perform their important functions.

Typically, root systems extend outward past the dripline, two to four times the diameter of the average tree's crown. Main root functions include water and mineral conduction, food and water storage, and anchorage of the tree to the soil. Root systems consist of short-lived, fine-textured, feeder roots and larger, woody, perennial roots. Feeder roots, while averaging only 1/16 inch in diameter, constitute the major portion of the root system's surface area. Feeder roots act like sponges, growing predominantly outward and upward from the large roots near the soil surface where minerals, water, and oxygen are usually abundant. Larger, woody roots and their subordinates tend to annually increase in diameter and grow horizontally. Predominantly located in the top 6 to 24 inches of the soil, these structural and storage roots usually do not grow deeper than three to seven feet. Root growth is generally inhibited by soil compaction and temperature. As the depth increases, soil compaction increases, and the availability of water, minerals, oxygen, and soil temperature all decrease.

Removal of significant amounts of the canopy and/or root system can lead to both immediate and long-term detrimental effects on trees. Effects can be physiological, structural, or both.

Trees to be preserved or removed, along with the proposed location of recommended protective fencing, are illustrated on the reduced and full-sized copies of the Tree Impact Exhibit and Protection Plan.

Tables 5-6 on the following pages provide details of the trees proposed for preservation and removal. As summarized in the tables:

- **11 non-protected trees will be removed**
- **0 non-protected trees will be preserved**
- **0 street trees will be removed**
- **17 street trees will be preserved**

TABLE 5 – NON-PROTECTED TREES TO BE REMOVED

Private Property or Off-Site (PP, OS)	Tree ID No.	Common Name	Botanical Name	DSH / DBH (in.)	Brown Trunk (palms – Ft.)	Height (Ft.)	Canopy N (Ft.)	Canopy E (Ft.)	Canopy S (Ft.)	Canopy W (Ft.)	Health Grade	Structure Grade	Naturally Occurring (N) or Planted (P)	Reason for Removal	Replacement Ratio
PP	1	Mexican fan palm	*Washingtonia robusta*	—	40' BT	50	8	8	8	8	A	B	P	New Development	1:1
PP	2	Mexican fan palm	*Washingtonia robusta*	—	45' BT	55	8	8	8	8	A	B	P	New Development	1:1
PP	3	London plane	*Platanus* x occidentalis	7.7		25	10	10	10	10	B	B	P	New Development	1:1
PP	4	London plane	*Platanus* x occidentalis	6.5		20	8	8	8	8	B	B	P	New Development	1:1
PP	5	London plane	*Platanus* x occidentalis	8		30	12	12	12	12	B	B	P	New Development	1:1
PP	6	London plane	*Platanus* x occidentalis	9		35	10	10	10	10	B	B	P	New Development	1:1
PP	7	London plane	*Platanus* x occidentalis	8.4		30	12	10	12	12	B	B	P	New Development	1:1
PP	8	London plane	*Platanus* x occidentalis	7.8		30	12	12	12	12	B	B	P	New Development	1:1
PP	9	London plane	*Platanus* x occidentalis	7		30	10	10	10	10	B	B	P	New Development	1:1

PP	10	London plane	*Platanus* x occidentalis	7.2		35	12	14	12	12	B	B	P	New Development	1:1
PP	11	Mexican fan palm	*Washingtonia robusta*	—	45' BT	55	8	8	8	8	A	B	P	New Development	1:1

TABLE 6 – STREET TREES TO BE PRESERVED

Street or Off-Site (ST, OS)	Tree ID No.	Common Name	Botanical Name	DSH / DBH (in.)	Brown Trunk (palms – Ft.)	Height (Ft.)	Canopy N (Ft.)	Canopy E (Ft.)	Canopy S (Ft.)	Canopy W (Ft.)	Health Grade	Structure Grade	Naturally Occurring (N) or Planted (P)	Reason for Removal	Replacement Ratio
ST	ST12	fern pine	*Afrocarpus gracilior*	7.5" at 4'		16	6	6	8	8	A	B	P		
ST	ST13	fern pine	*Afrocarpus gracilior*	7.5		14	8	8	8	6	A	B	P		
ST	ST14	fern pine	*Afrocarpus gracilior*	7.5" at 3'		12	6	6	6	4	A	B	P		
ST	ST15	fern pine	*Afrocarpus gracilior*	5.5		12	6	6	6	4	A	B	P		
ST	ST16	fern pine	*Afrocarpus gracilior*	8.3" at 3'		18	8	6	8	8	A	B	P		
ST	ST17	fern pine	*Afrocarpus gracilior*	8		16	6	5	6	8	A	B	P		
ST	ST18	fern pine	*Afrocarpus gracilior*	6.3		14	6	4	6	5	A	B	P		

ST	ST19	fern pine	*Afrocarpus gracilior*	6.8	16	6	6	8	8	A	B	P
ST	ST20	fern pine	*Afrocarpus gracilior*	7.2	16	6	6	8	8	A	B	P
ST	ST21	fern pine	*Afrocarpus gracilior*	7.5" at 4'	12	6	4	6	5	A	B	P
ST	ST22	fern pine	*Afrocarpus gracilior*	5.7	14	6	6	6	6	A	B	P
ST	ST23	fern pine	*Afrocarpus gracilior*	7" at 4'	16	6	5	8	8	A	B	P
ST	ST24	fern pine	*Afrocarpus gracilior*	6	14	6	6	6	6	A	B	P
ST	ST25	fern pine	*Afrocarpus gracilior*	6.5" at 4'	14	8	4	6	6	A	B	P
ST	ST26	fern pine	*Afrocarpus gracilior*	6.1" at 3'	16	6	6	6	8	A	B	P
ST	ST27	fern pine	*Afrocarpus gracilior*	7.2	17	8	6	8	10	A	B	P
ST	ST28	fern pine	*Afrocarpus gracilior*	6	14	4	6	6	7	A	B	P

CONCLUSION AND RECOMMENDATIONS

Implementation of the ROW DTLA – Mixed-Use Project, including demolition, grading, construction of improvements, and installation of streets and utilities for the proposed new parking, roads (driveways), new entry, buildings and utility changes will likely result in the following:

Total Street trees = 17
Removals = 0
Preserve = 17

Total Onsite Non-Protected trees = 11
Removals = 11
Preserve = 0

Total Onsite Protected trees = 0

Total Offsite Non-Protected trees = 0

Total Offsite Protected trees = 0

In my professional opinion, the following Best Management Practices (BMPs), recommendations, and conditions should be implementation:

Street Tree Removals (if applicable):

1. Street trees proposed for removal are generally mitigated with 24-inch box specimens using a 2:1 ratio. (Bureau of Street Services, Urban Forestry Division).
2. Mitigation trees shall be guaranteed under a bond for a period of three years. The bond amount will be determined through negotiations between the applicant team and the Urban Forestry Division prior to issuance of a grading permit. The bond will be posted prior to issuance of a grading permit.
3. The Urban Forestry Division shall be notified at least ten (10) days prior to the date of the approved Protected Tree removals. The applicant's Tree Expert (project arborist) shall be on-site for the duration of the tree removals to ensure that the proper trees are removed. A post-tree removal site meeting with an Urban Forestry Division arborist will be required one day after the removals are complete.
4. The Urban Forestry Division shall be notified no later than five days after completion of the tree replacement plantings.
5. The applicant, along with the project arborist and landscape architect, shall be responsible to ensure that the tree removal permit tree replacement conditions are met. Monitoring and compliance documentation will be required as outlined in the General Recommendations below.
6. The mitigation tree bond will be released upon satisfactory compliance with the Protected Tree Removal Permit and all associated conditions.
7. An automatic irrigation should be provided for all mitigation trees.
8. The City Planning Department will make the final determination in the CEQA document and /or other conditions of approval as to the final number of mitigation trees required, the container sizes, and the species to be planted on-site.

General Recommendations and Best Management Practices:

9. Any demolition, digging, excavating, or trenching within the protected zone of any protected tree to remain shall be monitored by the project arborist.
10. Exposed roots to remain should be covered with burlap, carpet remnants or other material that may be kept moist until soil can be replaced.
11. This report shall be part of the set of plans given to the contractors. Contractors should be familiar with the specific instructions and responsibilities pertaining to protected trees. It is recommended that a professional arborist be retained and meet with the contractor and his personnel prior to commencement of the project.
12. If canopy pruning is found to be necessary for trees to remain, it should only be performed by a qualified ISA Certified Arborist or ISA Certified Tree Worker. Climbing "gaffs" shall not be used by any tree climber except in an emergency to reach an injured climber or when removing a tree.
13. Protected trees shall not be removed until/unless approval is granted by the City of Los Angeles' Urban Forestry Division.
14. Pruning or Removals shall occur outside of the nesting bird season as defined by the California Department of Fish and Wildlife and other jurisdictional agencies. If removals must occur in nesting bird season, biological monitoring should be required.

15. Construction monitoring reports will be submitted to the Urban Forestry Division at appropriate intervals. Intervals may vary depending on the level of activity on-site. A monitoring and reporting program will be developed by the project arborist for various phases of the development process. This program will be submitted to the Urban Forestry Division prior to issuance of grubbing, grading, or demolition permits. A final compliance report will be prepared for submission to Urban Forestry upon completion of the project.
16. A maintenance and monitoring program for mitigation trees will be included in the monitoring and reporting program that will be developed by the project arborist. This program will be developed in coordination with the project landscape architect. At least three (3) years of monitoring for mitigation trees is recommended. The Urban Forestry Division will dictate the actual monitoring period for mitigation trees.
17. Equipment, materials, and vehicles shall not be stored, parked, or operated within the protected zone of trees to remain.
18. Equipment with overhead exhaust shall not be placed in such a manner as to scorch overhanging branches or foliage. Smaller equipment shall be used in such areas as deemed necessary by the monitoring arborist.
19. Five (5) foot high chain link fencing shall be installed as illustrated on the Tree Protection Plan prior to submission of this report to the Urban Forestry Division of the City of Los Angeles (reports may not be deemed complete by the Division if fencing is not in place). Photographs of the fencing should be submitted with the report. When performing their inspection, Urban Forestry requires that the protective fencing be in place.

Please feel welcome to contact me at our Santa Monica office if you have any immediate questions or concerns.

Respectfully submitted,

Cy Carlberg, Registered Consulting Arborist
Principal, Carlberg Associates



This report comprises a total of 46 pages. Reduced copies of the full-sized, color copies of the 'Tree Location Exhibit' are included in this report; full-sized copies were submitted electronically. Unauthorized separation or removal of any portion of this report deems it invalid as a whole.

Conditions represented in this report are limited to the inventory dates and times. Formal risk assessments were not performed for the purposes of this report. Ratings for health, aesthetics, and structure do not constitute a health or structural guarantee beyond that date and time.

CERTIFICATION OF PERFORMANCE

I, Cy Carlberg, certify:

- That I have personally inspected the tree(s) and/or the property referred to in this report and have stated my findings accurately. The extent of the evaluation and appraisal is stated in the attached report and the Terms of Assignment.
- That I have no current or prospective interest in the vegetation or the property that is the subject of this report and have no personal interest or bias with respect to the parties involved.
- That the analysis, opinions, and conclusions stated herein are my own.
- That my analysis, opinions, and conclusions were developed, and this report has been prepared according to commonly accepted arboricultural practices.
- That no one provided significant professional assistance to the consultant, except as indicated within the report.
- That my compensation is not contingent upon the reporting of a predetermined conclusion that favors the cause of the client or any other party.

I further certify that I am a Registered Consulting Arborist and member of the American Society of Consulting Arborists, and that I acknowledge, accept, and adhere to the ASCA Standards of Professional Practice. I am an International Society of Arboriculture Certified Arborist and Qualified Tree Risk Assessor and have been involved in the practice of arboriculture and the study of trees for over twenty-five years.

Signed:



Date: January 4, 2024, November 4, 2024

Cy Carlberg
ASCA Registered Consulting Arborist #405
ISA Certified Arborist, WE-0575A
Qualified Tree Risk Assessor
CAUFC Certified Urban Forester #013

ARBORIST DISCLOSURE STATEMENT

Arborists are tree specialists who use their education, knowledge, training and experience to examine trees, recommend measures to enhance the beauty and health of trees, and attempt to reduce the risk of living near trees. Clients may choose to accept or disregard the recommendations of the arborist, or to seek additional advice.

Arborists cannot detect every condition that could possibly lead to the structural failure of a tree. Trees are living organisms that fail in ways we do not fully understand. Conditions are often hidden within trees and below ground. Arborists cannot guarantee that a tree will be healthy or safe under all circumstances, or for a specified period of time. Likewise, remedial treatments, like any medicine, cannot be guaranteed.

Treatment, pruning and removal of trees may involve considerations beyond the scope of the arborist's services such as property boundaries, property ownership, site lines, disputes between neighbors, and other issues. Arborists cannot take such considerations into account unless complete and accurate information is disclosed to the arborist. An arborist should then be expected to reasonably rely upon the completeness and accuracy of the information provided.

Trees contribute greatly to our enjoyment and appreciation of life. Nonetheless, they are subject to the laws of gravity and physiological decline. Therefore, neither arborists nor tree owners can be reasonably expected to warrant unfailing predictability or elimination of risk.

Trees can be managed, but they cannot be controlled. To live near trees is to accept some degree of risk. The only way to eliminate all risk associated with trees is to eliminate all trees.

LIST OF CONTIBUTORS AND RESUMES OF KEY STAFF

Ms. Cy Carlberg, Principal
Mr. Scott McAllaster, Staff Arborist and AutoCAD Draftsperson
Mr. Daniel Cowell, Staff Arborist, Biologist

CY CARLBERG
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Education
B.S., Landscape Architecture, California State Polytechnic University, Pomona, 1985
Graduate, Arboricultural Consulting Academy, American Society of Consulting Arborists, Chicago, Illinois, February 2002
Graduate, Municipal Forestry Institute, Lied, Nebraska, 2012

Experience
Consulting Arborist, Carlberg Associates, 1998-present
Manager of Grounds Services, California Institute of Technology, Pasadena, 1992-1998
Director of Grounds, Scripps College, Claremont, 1988-1992

Certificates
Certified Arborist (#WE-0575A), International Society of Arboriculture, 1990
Registered Consulting Arborist (#405), American Society of Consulting Arborists, 2002
Certified Urban Forester (#013), California Urban Forests Council, 2004
Qualified Tree Risk Assessor, International Society of Arboriculture, 2011

AREAS OF EXPERTISE

Ms. Carlberg is experienced in the following areas of tree management and preservation:

- Tree health and risk assessment
- Master Planning
- Historic landscape assessments, preservation plans, reports
- Tree inventories and reports to satisfy jurisdictional requirements
- Expert Testimony
- Post-fire assessment, valuation, and mitigation for trees and native plant communities
- Value assessments for native and non-native trees
- Pest and disease identification
- Guidelines for oak preservation
- Selection of appropriate tree species
- Planting, pruning, and maintenance specifications
- Tree and landscape resource mapping – GPS, GIS, and AutoCAD
- Planning Commission, City Council, and community meetings representation

PREVIOUS CONSULTING EXPERIENCE

Ms. Carlberg has overseen residential and commercial construction projects to prevent damage to protected and specimen trees. She has thirty-five years of experience in arboriculture and horticulture and has performed tree health evaluation, value and risk assessment, and expert testimony for private clients, government agencies, cities, school districts, and colleges. Representative clients include:

The Huntington Library and Botanical Gardens
The Los Angeles Zoo and Botanical Gardens
The Rose Bowl and Brookside Golf Course, Pasadena
Walt Disney Concert Hall and Gardens
The Art Center College of Design, Pasadena
Pepperdine University
Loyola Marymount University
The Claremont Colleges (Pomona, Scripps, CMC, Harvey Mudd, Claremont Graduate University, Pitzer, Claremont University Center)
Quinn, Emanuel, Urquhart and Sullivan (attorneys at law)
Getty Trust – Eames House
Historic Resources Group
Mia Lehrer + Associates
The City of Claremont
The City of Beverly Hills
The City of Pasadena
The City of Los Angeles
The City of Santa Monica
Santa Monica/Malibu Unified School District
San Diego Gas & Electric
Los Angeles Department of Water and Power
Rancho Santa Ana Botanic Garden, Claremont
Latham & Watkins, LLP (attorneys at law)
Architectural Resources Group
AHBE Landscape Architects
Moule and Polyzoides, Architects and Urbanists

AFFILIATIONS

Ms. Carlberg serves with the following national, state, and community professional organizations:

- California Urban Forests Council, Board Member, 1995-2006
- Street Tree Seminar, Past President, 2000-present
- American Society of Consulting Arborists Academy, Faculty Member, 2003-2005; 2014
- American Society of Consulting Arborists, Board of Directors, 2013-2015
- Member, Los Angeles Oak Woodland Habitat Conservation Strategic Alliance, 2010-present

SCOTT MCALLASTER

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Education	B.A., Environmental Studies, University of California, Santa Barbara, 2000
Experience	Project Planner & Senior Arborist, Land Design Consultants, Inc. Pasadena, 1999 – 2014
Certificates	Certified Arborist, WE-7011A, International Society of Arboriculture, 2004 Qualified Tree Risk Assessor, International Society of Arboriculture, 2015

AREAS OF EXPERTISE

Mr. McAllaster is experienced in the following areas of tree management and preservation:

- Tree health & risk assessments
- Inventories & reports for native and non-native trees
- Master planning
- Evaluation of trees for preservation, encroachment, relocation, restoration, and hazards
- Construction monitoring and reporting
- Value assessments (appraisals) for native and non-native trees
- Post-fire inventories, assessments, and valuations for native and non-native trees
- Guidelines for tree preservation, planting, pruning and maintenance specifications
- Tree and landscape resource mapping – GPS, GIS, and AutoCAD
- Planning Commission, City Council, and community meetings representation
- Review of landscape plans for mitigation compliance & fire fuel modification planning
- Performance of long-term mitigation compliance monitoring & reporting

PREVIOUS CONSULTING EXPERIENCE

Mr. McAllaster has performed hundreds of tree inventories, health evaluations, impact analyses, hazard, and value assessments for counties, cities, sanitation districts, and water districts, as well as private developers, architects, engineers, and homeowners. He has over 17 years of experience in arboriculture and is trained in environmental planning, state and federal regulatory permitting, preparation of CEQA analyses, and habitat mitigation planning and implementation. Representative clients include:

City of Pasadena
City of Santa Clarita
City of Glendora
Los Angeles County Fire Department
Los Angeles County Sanitation Districts
Newhall County Water District
Pulte/Centex Homes
Newhall Land and Farming
E & S Ring, Inc.
Hollywood Forever Cemetery
Archdiocese of Los Angeles
St. John's Hospital, Santa Monica
Kovac Architects
Tim Barber, Ltd., Architects
Ojai Valley Community Hospital
The Kibo Group
El Monte Garden Senior Center
IMT Capital, LLC
San Diego Gas & Electric
Corky McMillin Companies
City of South Gate
City of Arcadia
D2 Development
Burrtec, Inc.
The Claremont Colleges
The New Home Company
William Carey University
Claremont Golf Course
Universal Hilton
Gensler Architects
Marmol Radziner, Architects
NAC Architecture
Aurora/Signature Health Services
Monte Vista Grove Homes
Highpointe Communities
Claremont University Center

AFFILIATIONS

Mr. McAllaster serves with the following national and regional professional organizations:

- Member, International Society of Arboriculture, Western Chapter
- Member, Street Tree Seminar, Inc.

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Education
B.A., Environmental Studies/Science Whittier College, Whittier, 2014
A.S., Biological and Physical Sciences and Mathematics, Citrus College, 2010
A.A./A.S., Social and Behavioral Sciences, Citrus College, 2010
Courses in Environmental Biology, California State Polytechnic University, Pomona, 2012

Experience
Staff Arborist, Carlberg Associates, 2020 – Present
Over two dozen Environmental, Biological, Nesting Bird, and Restoration Surveys, 2010 – 2020
Biologist, Harmsworth Associates, 2015 – 2017
Biologist, Arroyo Trabuco Golf Club, 2010 – 2015

Certificates
Wildland Resources and Forestry Certificate Program, 2011

AREAS OF EXPERTISE

Mr. Cowell is experienced in the following areas of environmental and arboricultural monitoring, management and preservation:

- Evaluation of trees for preservation and encroachment during construction
- Inventories & reports for native and non-native trees
- Construction monitoring and reporting
- Post-fire inventories and assessments for native and non-native trees
- Environmental consulting, survey, and compliance monitoring & reporting
- Performance of nesting bird surveys
- Native vegetation and wildlife protection, hazardous materials spill prevention, non-native vegetation spread prevention, and fire management practices
- Creation of mitigation strategies for impacts to wetlands and waters
- Inspection of trees and vegetation near power lines to determine species, growth rates, hazards,
- and making pruning and removal decisions.
- Development of environmental education programs and training of volunteers

PREVIOUS CONSULTING EXPERIENCE

Mr. Cowell has performed hundreds of nesting bird surveys and other environmental studies and monitoring for counties, cities, water districts, resource conservation districts, and utility companies, as well as private developers and professional consultants. He has over 13 years of experience in biology and is trained in environmental planning, state and federal regulatory permitting, and habitat mitigation planning and implementation. Representative clients include:

University of California, Irvine
The Irvine Company
The County of Orange
The County of Orange
The Nature Conservancy
City of Santa Clarita
City of Beaumont
City of Chino Hills
City of Twenty-nine Palms
Arroyo Trabuco Golf Club
Newhall County Water District
First Carbon Solutions
Traveland USA
Irvine Ranch Water District
Endemic Environmental Services
San Diego Gas & Electric
City of Moreno Valley
City of Costa Mesa
City of Newport Beach
City of Murietta
City of Garden Grove
Resource Conservation District of the Santa Monica Mountains
Land Design Consultants
Burrtec, Inc.
The Claremont Colleges
Environmental Intelligence

AFFILIATIONS

Mr. Cowell is affiliated with the following national and regional professional organizations:

- Rancho Santa Ana Botanical Gardens, Claremont (volunteer since 2010)
- California Native Plant Society (San Gabriel Mountains and Orange County Chapters)
- Theodore Payne Foundation for California Wildflowers and Native Plants

EXHIBIT E – DEFINITION OF HEALTH AND STRUCTURE GRADES

Health and structure ratings of the trees are based on the archetype tree of the same species through a subjective evaluation of its physiological health, aesthetic quality, and structural integrity.

Overall physiological condition (health) and structural condition were rated A-F:

Health

A) Outstanding – Exceptional trees of good growth form and vigor for their age class; exhibiting very good to excellent health as evidenced by normal to exceptional shoot growth during current season, good bud development and leaf color, lack of leaf, twig or branch dieback throughout the crown, and the absence of decay, bleeding, or cankers. Common leaf and/or twig pests may be noted at very minor levels.

B) Above average – Good to very good trees that exhibit minor necrotic or physiological symptoms of stress and/or disease; shoot growth is less than reasonably expected, leaf color is less than optimal in some areas, the crown may be thinning, minor levels of leaf, twig, and branch dieback may be present, and minor areas of decay, bleeding, or cankers may be manifesting. Minor amounts of epicormic growth may be present. Minor amounts of fire damage or mechanical damage may be present. Still healthy, but with moderately diminished vigor and vitality. No significant decline noted.

C) Average – Average, moderately good trees whose growth habit and physiological or fire-induced symptoms indicate an equal chance to either decline or continue with good health into the near future. Most of these trees exhibit moderate to significant small deadwood in outer crown areas, decreased shoot growth and diminished leaf color and mass. Some stem and branch dieback are usually present and epicormic growth may be moderate to extensive. Cavities, pockets of decay, relatively significant fire damage, bark exfoliation, or cracks may be present. Moderate to significant amounts of insect or disease symptoms may be present; the tree may be shaded or crowded in such a way that it is expected to negatively impact the lifespan of the tree. Tree may be in early decline.

D) Below Average/Poor - trees whose growth habit and physiological or fire-induced symptoms indicate significant, irreversible decline. Most of these trees exhibit significant dieback of wood in the crown, possibly accompanied by significant epicormic sprouting. Shoot growth and leaf color and mass is either significantly diminished or nonexistent throughout the crown. Cavities, pockets of decay, significant fire damage, bark exfoliation, and/or cracks may be present. Significant amounts of insect or disease symptoms may be present; the tree may be shaded or crowded in such a way that it has negatively impacted the lifespan of the tree. Tree appears to be in irreversible decline.

F) Dead or in spiral of decline – this tree exhibits very little to no signs of life.

STRUCTURE

A) Outstanding – Trees with outstanding structure for their species exhibit trunk and branch arrangement and orientation that result in a sturdy form or architecture that resists failure under normal circumstances. The spacing, orientation, and size of the branches relative to the trunk are quintessential for the species and free from defects. No outward sign of decay or pathological disease is present. Some trees exhibit naturally inherent branching defects, like multiple, narrow points of attachment from one point on the trunk, which would preclude them from achieving an "A" grade.

B) Above average - Trees with good to very good structure for their species. They exhibit trunk and branch arrangement and orientation that result in a relatively sturdy form or architecture that resists failure under normal circumstances, but may have some mechanical damage, over-pruning, or other

minor structural defects. The spacing, orientation, and size of the branches relative to the trunk are still in the normal range for the species, but they exhibit a minor degree of defects. Minor, sub-critical levels of decay or pathological disease may be present, but the degree of damage is not yet structurally significant. Trees that exhibit naturally inherent branching defects, like multiple, narrow points of attachment from one point on the trunk, would generally fall in to this category. A small percentage of the canopy may be shaded or crowded, but not in such a way that it is expected to negatively impact the structural integrity or lifespan of the tree.

C) Average - Trees with moderately good structure for their species, but with obvious defects. They exhibit trunk and branch arrangement and orientation that result in a less than sturdy form or architecture, which reduces their resistance to failure under normal circumstances. Moderate levels of mechanical damage, over-pruning, or other structural defects may be present. The spacing, orientation, and size of some of the branches relative to the trunk are not in the normal range for the species. Moderate to significant levels of decay or pathological disease may be present that increase the likelihood of structural instability. Influences such as an excessive trunk lean, slope erosion, root pruning, or other growth-inhibiting factors may be present. A moderate to significant percentage of the canopy may be shaded or crowded in such a way that it is expected to negatively impact the structural integrity or lifespan of the tree. Risk of full or partial failure in the near future appears to be moderately elevated.

D) Well Below Average/Poor - Trees poor structure for their species and with obvious defects. They exhibit trunk and branch arrangement and orientation that result in a significantly less than sturdy form or architecture, significantly reducing their resistance to failure under normal circumstances. Significant levels of mechanical damage, over-pruning, or other structural defects may be present. The spacing, orientation, and size of many of the branches relative to the trunk are not in the normal range for the species. Significant levels of decay or pathological disease may be present that increase the likelihood of structural instability. Influences such as an excessive trunk lean, slope erosion, root pruning, or other growth-inhibiting factors may be present. A significant percentage of the canopy may be shaded or crowded in such a way that it is expected to negatively impact the structural integrity or lifespan of the tree. Risk of full or partial failure in the near future appears to be advanced.

F) Severely Compromised – trees with very poor structure and numerous or severe defects due to growing conditions, historical or recent pruning, mechanical damage, history of limb or trunk failures, advanced decay, disease, or severe fire damage. Risk of full or partial failure in the near future appears to be severe.

EXHIBIT F - GLOSSARY OF ARBORICULTURAL & DENDROLOGICAL TERMS

Abiotic: Non-living agents including environmental, physiological, & other nonbiological factors (i.e., aeration or water deficit, mechanical injury, or gas line leak).

Arboriculture: Management of individual trees or groups of trees primarily for their amenity value.

Basal wound: A cut or puncture at the base of the trunk of a tree, particularly bad in younger (developing) specimens. Often these wounds are caused by mowers and other gardening equipment and can be prevented by protective staking and the creation of dirt (no turf) surrounding areas - adjacent to the trunk.

Bleeding (from wood): Flow of sap, typically from pruning wounds.

Branch collar: The swelling at the base of a branch, to be left intact in any pruning.

Callus / wound wood: Lignified, partially differentiated tissue which develops from the callus associated with wounds.

Cambium / cambial: Meristematic tissue that gives rise to phloem & xylem.

Canker: An area of dead or malformed bark caused by a pathogen.

Canopy: A term used for the crown or spread of a tree's branches to emphasize its size and enclosing character. Parts of the tree above the trunk, including scaffold limbs, lateral branches, twigs, and leaves.
The canopy spread is often measured in feet.

Cavity: A void in a tree trunk, branch or root that may or may not be open to the exterior, generally created by decay. Over many years the wound may become entirely grown over (occluded) while the decay progresses within.

Co-dominant stems: Branches and *stems* that are nearly equal in size and relative importance

Compartmentalization: A form of defense in woody plants, in which barriers resistant to invasion by pathogens or wood decay fungi are laid down while the wood is living (sapwood), and which continue to act passively once the wood is incorporated into heartwood.

Conifer: A botanical definition embracing trees with cones (ie. seeds not formed within ovaries), mostly with needle-like or scale-like leaves and mostly evergreen. Sometimes conifers are called 'softwoods'.

Crotch: Where two branches of a tree intersect. A narrow crotch arise at an acute (narrow) angle, as when both branches are close to the vertical. The union is relatively weak if there is included bark.

Crown: The branches, twigs and foliage of a tree, considered collectively.

Crown thinning, crown reduction and crown raising: Crown thinning removes branches from the crown without reducing the extent of the crown. Crown reduction decreases the extent of the crown without decreasing its density. Crown raising increases the headroom to the base of the canopy by removing lower branches.

Crown cleaning: The removal of dead, dying, damaged or diseased wood from the crown of a tree.

Deadwood: In the growth and development of a tree, branches compete with each other and weaker branches are eventually suppressed and die. The deadwood is then liable to fall (sometimes called 'natural pruning'). Deadwood develops naturally, largely in the inner and lower crown, of all trees that are mature and unmanaged.

Decay: The progressive degradation of woody tissues caused by specialized fungi & bacteria through decomposition of cellulose & lignin. The pathogen typically enters through wounds in the roots (root rots), main stem or branches (butt and stem rots) and can then extend internally, over a timescale of years or decades, longitudinally or horizontally.

Deciduous: Leaves are lost in winter, as opposed to evergreen.

Diameter at breast height (dbh): The diameter of a tree measured at height 4.5 feet above natural grade. Typically used as a representation of tree size.

Dieback: Death of shoots or roots starting at the extremities.

Dripline: The outermost edge of the tree's canopy. When depicted on a map, the dripline will appear as an irregular shape that follows the contour of the tree's branches as seen from overhead.

Epicormic shoots: Shoots arising from the base of a tree, its trunk or main framework branches, from buds dormant more than one season. May be stimulated by pruning (which increases the light reaching the lower part of the tree), or indicative of damage or decline in the upper crown.

Evergreen: Foliated throughout the year (although there is a gradual turnover of leaves).

Flush cut: A pruning cut that removes the branch collar and/or part of the branch ridge, slowing the occlusion of the wound or damaging its compartmentalization.

Framework: Typically, the main branches (sometimes also called scaffold branches), each of which supports a significant portion of the crown. They largely determine the shape of the tree's crown depending on their height of origin, orientation etc. There is no precise distinction between framework branches and other lesser branches.

Gall: Abnormal growth of leaves, buds, stems etc. in reaction to the presence of an intrusive parasite, often an insect or mite.

Girdle/girdling: Damage that kills the bark all the way round the stem; such as caused by wires or ties that were never removed when the tree was young. That which circles & constricts the stem or roots causing death of phloem &/or cambial tissue.

Habit (growth habit): Giving a tree its characteristic form, for example owing to the stoutness and orientation (fastigiated, ascending, spreading, pendulous, weeping etc.) of a tree's branches.

Hanger: Dead branch fallen from the crown but caught by, and resting on, branches lower down, which be liable to fall.

Heart rot: Decay in the center of the tree (heartwood).

Included bark: Areas of bark on adjacent parts of a tree, typically on the inner faces of a narrow fork, which becomes grown over to occupy part of the internal joint. The bark-to-bark contact is weaker than the more usual woody union.

Lateral branch / limb: The next order of branch that rises from the scaffold limbs.

Leader: The topmost vertical shoot of a tree, present if the tree has strong apical dominance, characteristic of young trees and conifers. Trees with a rounded crown have no leader.

Mulch: a material (such as decaying leaves, bark, or compost) spread around or over a plant to enrich or insulate the soil.

Parasite: An organism that exploits another, e.g., for food, to the prejudice of the host. Parasites may kill their hosts, be pathogenic or have little significant effect.

Pathogen: A kind of parasite that causes disease.

Phloem: A transport tissue characterized by sieve tubes and companion cells, found the vascular bundles of higher plants. Functions in the transport of dissolved organic substances by translocation.

Photosynthesis: The chemical process by which chlorophyll-containing plants use light to convert carbon dioxide and water into carbohydrates, releasing oxygen as a by-product.

Pruning: The cutting off or cutting back of shoots or branches from a tree, whether to direct growth (formative pruning), make safe, to remove an obstructing or diseased part, to increase longevity (veteran trees), to maintain productivity (fruit trees) etc.

Root crown /collar / Root flare: The outwardly curving base of a tree where it joins the roots, often distinguishable as individual root buttresses.

Root crown inspection: Extensive examination of the junction of root & stem, including the area immediately below, aimed at determining stability, presence of disease, decay, etc.

Root zone: The area of ground around the base of a tree that supports root growth; often extends far beyond the dripline of a tree.

Scaffold branch / limb: The first order of limbs or branches that arise from the trunk of a tree.

Soil: A mixture of mineral particles, often of various sizes due to weathering, roots and other living things, soil organic matter and the associated voids (pores) filled with air and/or water.

Soil aeration: The movement of gases in soil, primarily by diffusion through the soil pores. For example, oxygen diffuses from the atmosphere to the vicinity of the plant root while carbon dioxide diffuses in the opposite direction. The rate of diffusion is related to the proportion of the soil volume that contains air

Soil compaction: An increase in bulk density due to the pressure exerted by animals, vehicles, (locally) by root growth *etc*. Pore space is reduced, which may also restrict soil aeration, water infiltration and drainage.

Soil structure: The aggregation of soil particles into clumps (peds) of various shapes and the associated spaces between them, affecting many properties of soil including its porosity to air and water, and its fertility.

Soil texture: The size of the mineral particles in the soil, classified (from fine to coarse) as clay, silt, sand, gravel or stones, or some mixture of these to give a characteristic particle size distribution. Sandy soils give a light texture, clayey soils give a heavy texture.

Stub: That part of a pruned branch protruding beyond the branch collar. It is not good practice to leave stubs since they impede occlusion and are prone to decay.

Suckers: Shoots arising from the roots of a tree, which can arise surprisingly far from the parent.

Target: A target is the subject of injury or damage within range of a tree hazard

Topping: A kind of pruning in which the branches of a tree are all decapitated to reduce the tree to a specific height. An indiscriminate form of pruning not regarded as good practice, to which some trees, such most conifers, are intolerant.

Training: To change the shape of a tree by means other than (formative) pruning, typically by tying young branches into a particular position.

Transpiration: Loss of water vapor from the surface of leaves & other aboveground parts of the plant.

Vigor / vigorous: Overall health; the capacity to grow & resist physiological stress.

EXHIBIT G – LIST OF ACRONYMS

ANTH – Anthracnose disease

BT – brown trunk – commonly used to measure palm tree trunk heights instead of diameters; it excludes the palm head, or canopy

CANK – canker – an area of dead tissue; can be caused by sunburn or disease

CLPD – common leaf pests and diseases (usually subcritical and non-lethal to tree)

COD – codominant stems or trunks – similar diameter trunks or stems arising from the same point of origin – can be a defect depending on the angle of attachment

Compass directions – N=north, E=east, S=south, W=west

DBH – Diameter at breast height (4 ft. 6 in. from grade) – a standard forestry term / protocol used for measuring tree trunk diameter

DSH – Diameter Standard Height – same as DBH but politically correct without the reference to breasts

DN – drippy nut (acorn) disease (common and non-lethal bacterial infection of acorns)

DW – dead wood

EG – epicormic growth – usually stress-induced growth that originates from previously dormant buds located on trunks or branches

GR – girdling root – can cause structural instability

HOB – history of breakage – usually refers to branches, not twiggy growth

HR – heart rot – decay of the heartwood

H2O – water or irrigation

IB – included bark – can cause structurally weak attachments

LCR – live crown ratio – a ratio of canopy foliage to bare trunk – informs structural grade, as low LCR can increase likelihood of failures

Lerp psyllid / Tipu psyllid – sap sucking insects

Lg - large

MBA – multiple branch attachments – can be a structural defect

Mech. Dam or MD – mechanical damage

MPE – multiple pruning events – can lead to reduced structural integrity based on secondary growth characteristics

P/D – pest/disease

PP – poor pruning – usually refers to stub cuts, flush cuts, excessive thinning, topping, etc.

Prune/DPR-QA - prune out dead/infested/diseased portion(s) & consult a licensed Department of Pesticide Regulation Qualified Applicator for potential chemical pest/disease treatments

RRD – root rot disease

SB – sycamore borer – a clear-winged moth that lays eggs on the bark of trees (mostly sycamore and oak species) – larvae burrow and feed in bark layer, usually non-damaging to tree

SS – stump sprouts – epicormic growth that arises from cut trunks – can originate from the remaining trunk tissue or the root crown

T – trunk

TG – Twig girdler – a stem girdling insect (this condition may also be noted under the umbrella of 'CLPD'

Topping cuts – refers to the substandard practice of arbitrarily pruning with no regard to lateral branch points; can include excessive and disfiguring pruning

WW – wound wood – callus tissue growing over a wound

Xylella = suspected bacterial infection with Xylella fastidiosa

EXHIBIT H – TREE INVENTORY FIELD DATA

THE FOLLOWING SHEETS ARE 11" X 17"

TABLE 7 – TREE FIELD DATA AND PROPOSED DISPOSITIONS
(THIS TABLE IS 11" X 17")

Street Tree/ Offsite/Private Property (ST, OS, PP)	Tree ID No.	Common Name	Botanical Name	DSH / DBH (in.)	BT Ht. (palms/palm-like) (Ft.)	DSH < 4" or Sapling	Height (Ft.)	Canopy N (Ft.)	Canopy E (Ft.)	Canopy S (Ft.)	Canopy W (Ft.)	Health Grade	Structure Grade	Infectious Disease	Suggested Treatments	Naturally Occurring (N) or Planted (P)	Comments	Disposition (Preserve, Remove)	Reason for Removal	Replacement Ratio
PP	1	Mexican fan palm	*Washingtonia robusta*	—	40' BT	No	50	8	8	8	8	A	B			P	Part of a grouping of two	Remove	New Development	TBD
PP	2	Mexican fan palm	*Washingtonia robusta*	—	45' BT	No	55	8	8	8	8	A	B			P	Part of a grouping of two	Remove	New Development	TBD
PP	3	London plane	*Platanus* x occidentalis	7.7		No	25	10	10	10	10	B	B	powdery mildew; mites	None	P		Remove	New Development	TBD
PP	4	London plane	*Platanus* x occidentalis	6.5		No	20	8	8	8	8	B	B	powdery mildew; mites	None	P		Remove	New Development	TBD
PP	5	London plane	*Platanus* x occidentalis	8		No	30	12	12	12	12	B	B	powdery mildew; mites	None	P		Remove	New Development	TBD
PP	6	London plane	*Platanus* x occidentalis	9		No	35	10	10	10	10	B	B	powdery mildew; mites	None	P		Remove	New Development	TBD
PP	7	London plane	*Platanus* x occidentalis	8.4		No	30	12	10	12	12	B	B	powdery mildew; mites	None	P		Remove	New Development	TBD
PP	8	London plane	*Platanus* x occidentalis	7.8		No	30	12	12	12	12	B	B	powdery mildew; mites	None	P		Remove	New Development	TBD
PP	9	London plane	*Platanus* x occidentalis	7		No	30	10	10	10	10	B	B	powdery mildew; mites	None	P		Remove	New Development	TBD
PP	10	London plane	*Platanus* x occidentalis	7.2		No	35	12	14	12	12	B	B	powdery mildew; mites	None	P		Remove	New Development	TBD
PP	11	Mexican fan palm	*Washingtonia robusta*	—	45' BT	No	55	8	8	8	8	A	B			P		Remove	Parking structure	TBD
ST	ST12	fern pine	*Afrocarpus gracilior*	7.5" at 4'		No	16	6	6	8	8	A	B			P	Pruned for vehicular clearance	Preserve		
ST	ST13	fern pine	*Afrocarpus gracilior*	7.5		No	14	8	8	8	6	A	B			P	Pruned for vehicular clearance	Preserve		
ST	ST14	fern pine	*Afrocarpus gracilior*	7.5" at 3'		No	12	6	6	6	4	A	B			P	Pruned for vehicular clearance	Preserve		
ST	ST15	fern pine	*Afrocarpus gracilior*	5.5		No	12	6	6	6	4	A	B			P	Pruned for vehicular clearance	Preserve		
ST	ST16	fern pine	*Afrocarpus gracilior*	8.3" at 3'		No	18	8	6	8	8	A	B			P	Pruned for vehicular clearance	Preserve		
ST	ST17	fern pine	*Afrocarpus gracilior*	8		No	16	6	5	6	8	A	B			P	May be broken irrigation line; soggy	Preserve		
ST	ST18	fern pine	*Afrocarpus gracilior*	6.3		No	14	6	4	6	5	A	B			P	Pruned for vehicular clearance	Preserve		
ST	ST19	fern pine	*Afrocarpus gracilior*	6.8		No	16	6	6	8	8	A	B			P	Pruned for vehicular clearance	Preserve		

TABLE 7 – TREE FIELD DATA AND PROPOSED DISPOSITIONS
(THIS TABLE IS 11" X 17")

Street Tree/ Offsite/Private Property (ST, OS, PP)	Tree ID No.	Common Name	Botanical Name	DSH / DBH (in.)	BT Ht. (palms/palm-like) (Ft.)	DSH < 4" or Sapling	Height (Ft.)	Canopy N (Ft.)	Canopy E (Ft.)	Canopy S (Ft.)	Canopy W (Ft.)	Health Grade	Structure Grade	Infectious Disease	Suggested Treatments	Naturally Occurring (N) or Planted (P)	Comments	Disposition (Preserve, Remove)	Reason for Removal	Replacement Ratio
ST	ST20	fern pine	*Afrocarpus gracilior*	7.2		No	16	6	6	8	8	A	B			P	Pruned for vehicular clearance	Preserve		
ST	ST21	fern pine	*Afrocarpus gracilior*	7.5" at 4'		No	12	6	4	6	5	A	B			P		Preserve		
ST	ST22	fern pine	*Afrocarpus gracilior*	5.7		No	14	6	6	6	6	A	B			P		Preserve		
ST	ST23	fern pine	*Afrocarpus gracilior*	7" at 4'		No	16	6	5	8	8	A	B			P		Preserve		
ST	ST24	fern pine	*Afrocarpus gracilior*	6		No	14	6	6	6	6	A	B			P		Preserve		
ST	ST25	fern pine	*Afrocarpus gracilior*	6.5" at 4'		No	14	8	4	6	6	A	B			P		Preserve		
ST	ST26	fern pine	*Afrocarpus gracilior*	6.1" at 3'		No	16	6	6	6	8	A	B			P		Preserve		
ST	ST27	fern pine	*Afrocarpus gracilior*	7.2		No	17	8	6	8	10	A	B			P		Preserve		
ST	ST28	fern pine	*Afrocarpus gracilior*	6		No	14	4	6	6	7	A	B			P		Preserve		

EXHIBIT I – TREE PHOTOGRAPHS



Trees 1-2 (L-R)



Trees 3-5 (R-L)



Tree 6



Tree 7



Trees 8-10 (L-R)



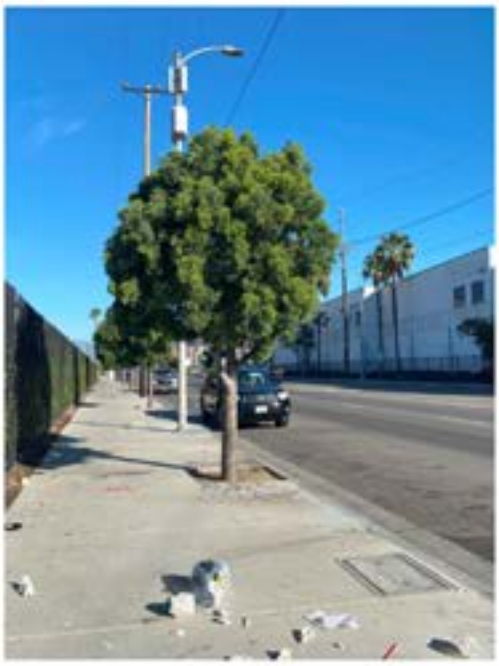
Tree 11



Tree ST12



Tree ST13



Tree ST14



Tree ST15



Tree ST16



Tree ST17



Tree ST18



Tree ST19



Tree ST20



Tree ST21



Tree ST22



Tree ST23



Tree ST24



Tree ST25



Tree ST26



Tree ST27



Tree ST28

EXHIBIT J – BIBLIOGRAPHY OF GENERAL REFERENCES USED TO PREPARE THE DOCUMENT

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Appendix D.3

Historical Resources Report



ROW DTLA Residential Project

Historical Resources Technical Report

Prepared for:

Alameda Square Owner, LLC
Los Angeles, California

Prepared by:

Architectural Resources Group
Los Angeles, California

November 20, 2024

Table of Contents

1. Executive Summary 1
   - 1.1 Introduction 1
   - 1.2 Methodology 4
   - 1.3 Preparer Qualifications 4
2. Property Description and Development 5
   - 2.1 Site and Setting 5
3. Historical Overview of the District 10
4. Regulatory Framework 14
   - 4.1 Definition of Historical Resources 14
   - 4.2 Federal, State, and Local Evaluation Criteria 14
5. Summary of Historical Significance 19
   - 5.1 Previous Designations and Studies 19
   - 5.2 Character-Defining Features 20
   - 5.3 Historical Resources Records Search 21
6. Impacts Analysis 23
   - 6.1 Summary of Historical Resource Findings 23
   - 6.2 Significance Threshold 23
   - 6.3 Project Description 24
   - 6.4 Analysis of Project Impacts 25
7. Conclusion 35
8. References 36

Appendix A. Resumes ..... A

Appendix B. SCCIC Records Search Results ..... B

1. Executive Summary

1.1 Introduction

Architectural Resources Group (ARG) has prepared this Historical Resources Technical Report ("Technical Report") for the ROW DTLA Residential Project ("the Project"). The Project Site ("Project Site," or "Site") is located in the Central City Community Plan Area (CPA) of the City of Los Angeles, with the following addresses: 757-787 S. Alameda Street, 1318-1396 E. 7th Street, 736-796 S. Central Avenue, 1301-1327 E. 8th Street, 700-760 S. Market Court, 720-746 S. Terminal Street, and 760 S. Warehouse Street. The Site consists of three large, irregularly shaped parcels that collectively measure approximately 31 acres and occupy roughly the northern half of the block bounded by S. Central Avenue to the west, S. Alameda Street to the east, E. 7th Street to the north, and E. Olympic Boulevard to the south. The partially vacated E. 8th and Bay streets provide internal access within the middle of the current block.

The Site is composed of an industrial complex historically called the Los Angeles Union Wholesale Terminal, previously owned by the Southern Pacific Railroad, which currently encompasses a total of eight buildings, including seven large industrial buildings that were constructed between 1917 and 1923, and a parking garage constructed in 2016. The Los Angeles Union Wholesale Terminal (without the parking structure) was formally determined eligible for the National Register of Historic Places (National Register) in 1997 through the Section 106 review process, and is therefore listed in the California Register of Historical Resources (California Register) as the Los Angeles Union Wholesale Terminal District (the "District").[1]

The east half of the Site, east of the District buildings, consists of two paved surface parking lots on either side of the property's Center Street entrance (off of Alameda Street). The parking lots were constructed in the 1980s and do not contribute to the District.

Project Overview

The Project proposes a mixed-use development on two non-historic, paved surface parking lots (referred to herein as the "North Lot" and "South Lot") along S. Alameda Street between E. 7th Street and Bay Street/E. 8th Street, within the District boundary. Specifically, the Project would consist of two new eight-story mixed-use buildings and one new eight-story multi-family residential building (referred to herein as "Buildings A, B, and C") that would comprise 1,000 total residential units, 1,000 parking spaces, and 6,131 square feet of retail and café space. Buildings A and B would be constructed on the South Lot, and Building C would be constructed on the North Lot. Building A would include 1,267 square feet of commercial space at the first floor; 417 residential units at the first through eighth floors; and two levels of subterranean parking. Building B would include 216 residential units at the first through eighth floors and two levels of subterranean parking. Building C would consist of 4,946 square feet of commercial space at the

[1] Properties formally determined eligible for listing in the National Register of Historic Places through the Section 106 review process, and which have received consensus from the State Historic Preservation Officer (SHPO), are automatically listed in the California Register of Historical Resources.

first floor; 367 residential units at the first through eighth floors; and one level of subterranean parking. Refer to *Section 6.3* for a more detailed description of the Project.

Summary of Findings

This Technical Report has been prepared to fulfill the requirements of the California Environmental Quality Act (CEQA) as they relate to a proposed project's potential impacts on historical resources. CEQA states that "a project that may cause a substantial adverse change in the significance of an historical resource is a project that may have a significant effect on the environment."[2] An evaluation of potential impacts under CEQA includes both a determination of whether, and the extent to which, historical resources as defined by CEQA are present on and in the vicinity of the Site and, if so, the identification of potential impacts to historical resources that may be caused by the Project.

The Project Site is co-extensive with the District. The District was formally determined eligible for the National Register in 1997 through the Section 106 review process. It is therefore listed in the California Register and meets the definition of a historical resource for the purposes of CEQA.[3]

In addition to the historical resource on the Project Site, there are 12 historical resources (or potential historic resources) located in the vicinity of the Site. For these purposes, "vicinity" is loosely defined as directly adjacent to the Site and/or within view of or from the Site. As stated below, ARG did not conduct an independent analysis of eligibility of any of these 12 resources. Rather, for the purposes of this Technical Report, the properties are presumed to be historical resources for a conservative analysis of potential indirect impacts. The following identified historical resources (or potential historical resources) are within the vicinity of the Site:

1. 1013 ½ S. Central Avenue, commercial building (Booker T. Washington Building, 1916): Identified through SurveyLA (2016) as potentially individually eligible; more research needed

2. 1122 E. 7th Street, post office (United States Post Office – Market Station, 1940): Identified through SurveyLA (2016) as individually eligible for National Register listing

3. 1201-1203 E. 8th Street, commercial building (1928): Identified through SurveyLA (2016) as individually eligible for California Register listing

4. 1226 E. 7th Street, commercial/hotel building (1925): Identified as individually eligible through a Determination of Eligibility (2001) report prepared for receipt of federal funding through the U.S. Department of Housing and Urban Development (HUD)

[2] California Public Resources Code, Section 21084.1.

[3] Properties formally determined eligible for listing in the National Register of Historic Places through the Section 106 review process, and which have received consensus from the State Historic Preservation Officer (SHPO), are automatically listed in the California Register of Historical Resources. Under California Public Resources Code, Section 21084.1, a resource listed in the California Register of Historical Resources is "an historical resource."

5. 1205 E. 6th Street, mixed-use commercial building (Monday Women's Club, 1912): Identified through SurveyLA (2016) as eligible as a contributor to the Downtown Los Angeles Industrial Historic District and as potentially individually eligible; more research needed[4]

6. 1617 E. 7th Street, industrial building (Sperry Flour Co., Angeles Mill, 1903): Identified through SurveyLA (2016) as eligible as a contributor to the Downtown Los Angeles Industrial Historic District and as individually eligible for National Register listing

7. 1745 E. 7th Street, industrial building (Diamond Walnut Company, 1921): Identified through SurveyLA (2016) as eligible as a contributor to the Downtown Los Angeles Industrial Historic District and as individually eligible for National Register listing

8. 1753 E. Olympic Boulevard, industrial building (Western Electric Company, 1925): Identified through SurveyLA (2016) as individually eligible for National Register listing

9. 1807 E. Olympic Boulevard, industrial building (Overland Terminal Produce Warehouse, 1931): Identified through SurveyLA (2016) as individually eligible for California Register listing

10. Air Raid Siren No. 189, non-parcel resource, southwest corner of 8th Street and McGarry Street (1940): Identified through SurveyLA (2016) as individually eligible for National Register listing

11. Downtown Los Angeles Industrial Historic District, industrial district, generally bounded by E. 1st Street on the north, Santa Fe Avenue and Mateo Street on the east, E. 7th Street on the south, and S. Alameda Street on the west (1900-1940): Identified through SurveyLA (2016) as eligible for National Register listing

12. Central Wholesale Produce Market, produce market, generally bounded by 8th Street on the north, Olympic Boulevard on the south, Central Avenue on the east, and Kohler Street on the west (1927): Identified through SurveyLA (2016) as eligible for listing in the California Register as a historic district

ARG conducted an analysis of the Project and its potential to impact historical resources on and in the vicinity of the Project Site. In summary, ARG finds that the Project would not materially impair the significance of the District. The Project would not demolish, destroy, relocate, or alter any of the contributing buildings in the District, and the District and its contributing buildings would retain all of their character-defining features and would continue to have sufficient integrity to convey their significance following completion of the Project. ARG further finds that the Project would not materially impair the significance of any of the historical resources in the vicinity of the Site. Therefore, the Project would not have a significant impact on any historical resources on or in the vicinity of the Project Site.

[4] The Downtown Los Angeles Industrial Historic District was found eligible for listing in the National Register, California Register, and as a Los Angeles HPOZ through survey evaluation as part of SurveyLA in 2017. It has not been formally designated under any program.

1.2 Methodology

For the preparation of this Technical Report, ARG performed the following tasks for research, documentation, and analysis:

- Conducted a site visit of the subject property on December 21, 2023. During this time, the District buildings and overall Site context were photographed and notes were taken on their physical appearance and condition.
- Conducted a search in California's Built Environment Resource Directory (BERD), the City of Los Angeles's HistoricPlacesLA (HPLA) historic resources inventory database, and through the South Central Coastal Information Center (SCCIC) for previous surveys and evaluations of the subject property and surrounding properties.
- Reviewed state and local technical bulletins, ordinances, and other materials related to the evaluation of historical resources.
- Conducted primary and secondary source research related to the history of the District and Site.
- Analyzed the Project to determine whether it would result in any potential impacts to historical resources under CEQA.

ARG staff consulted the following archives and repositories as part of their research for this assessment: Los Angeles Public Library (multiple collections); the archives of the *Los Angeles Times* and other local periodicals; Los Angeles Department of Building and Safety Online Building Records; various online repositories; and ARG's in-house library. A complete list of references is included at the end of this report.

1.3 Preparer Qualifications

This report was prepared by Katie Horak, Principal, and Evanne St. Charles, Senior Associate, both of whom meet the *Secretary of the Interior's Professional Qualifications Standards*, 36 CFR Part 61, in the discipline of Architectural History.[5] Resumes for Ms. Horak and Ms. St. Charles are included in *Appendix A*.

[5] National Park Service, "Professional Qualifications Standards," accessed December 2023, https://www.nps.gov/articles/sec-standards-prof-quals.htm.

2. Property Description and Development

2.1 Site and Setting

The Project Site is located in an expansive industrial district east of Downtown Los Angeles. Since the late 19th century, this area has been an important node of industrial activity for the greater Los Angeles area, and particularly for industries related to the export and distribution of produce and food products. Today, the area surrounding the subject property is primarily developed with warehouses, cold storage facilities, small-scale manufacturing operations, and other industrial uses, though in more recent years newer commercial office, commercial retail, and residential uses have been developed in the vicinity of the Site. A smattering of early 20th century single-room occupancy (SRO) hotels can also be found nearby.

The Site consists of three large, irregularly shaped parcels that collectively measure approximately 31 acres in size (see Fig. 1, Project location map). It occupies the northern half of the block bounded by E. 7th Street on the north, S. Central Avenue on the west, S. Alameda Street on the east, and E. Olympic Boulevard to the south, with the partially vacated former E. 8th and Bay streets providing internal access within the middle of the block. The adjacent circulation network loosely ascribes to the skewed grid that characterizes Downtown Los Angeles and the adjacent neighborhoods that fell within the historical boundaries of the Los Angeles pueblo lands.

There are a total of eight buildings on the Site, seven of which are unified by their industrial use and utilitarian architectural vocabulary. The west end contains three long, two-story buildings (Buildings 1, 5, and 6) that span the northwest length of the Site and frame an inner court that was historically used as a wholesale produce market and is currently a paved parking area used for produce sales and an outdoor weekend market. These buildings are constructed of cast-in-place concrete and are divided into bays of equal width by engaged piers with tenon-like capitals. The westernmost building (along S. Central Avenue) is punctuated by broad, arched gateways that lead to the inner court.

On the northeast portion of the District are three large rectangular industrial buildings, which sit parallel to one another and are generally oriented north-south (Buildings 2-4). These buildings are six to seven stories tall and separated by narrow corridors.[6] They are constructed of cast-in-place concrete and are accentuated by segmented parapets and broad expanses of industrial sash windows. A seventh building is situated to the south of the westernmost six-story building (Building 7). It is four stories tall, constructed of cast-in-place concrete, and ascribes to a nearly identical architectural program as its adjacent counterparts.

The southeast portion of the Site is developed with a ten-story concrete parking structure (Building 8) that was built in 2016 and is accessed via S. Alameda Street. The structure is utilitarian in appearance.

[6] The easternmost building (Building 4) is seven stories tall, while the two western buildings are six stories tall. Due to grade changes on the site, the three buildings appear to be nearly identical in height.

The east portion of the Site (facing S. Alameda Street and the location of the proposed new construction) was historically developed with railroad spur lines, storage/train sheds, and other ancillary structures (demolished in the 1980s, per aerial photographs). It currently holds two non-historic, paved surface parking lots (North and South Lots) on either side of Center Street, which runs east-west through the property. The North and South Lots are surrounded by a metal perimeter fence and hedge.



Fig. 1. *Project location map. The Prcject Site is outlined in a dashed red line; District buildings are numbered 1-8; the general footprint cf the proposed new construction is outlined in blue (Google Maps; adapted by ARG, 2023).*



Fig. 2. *Photo Key, corresponding with photos below. The Project Site is outlined in a dashed red line; the general footprint of the proposed new construction (the North and South Lots) is outlined in blue (Google Maps; adapted by ARG, 2023).*

Existing Conditions Photos, Setting



Photo 1. View southwest from S. Alameda Street of the Project Site towards District Buildings 2-4 (Google Street View, 2023).



Photo 2. View southwest from S. Alameda Street of District Buildings 2-4 (ARG, 2019).

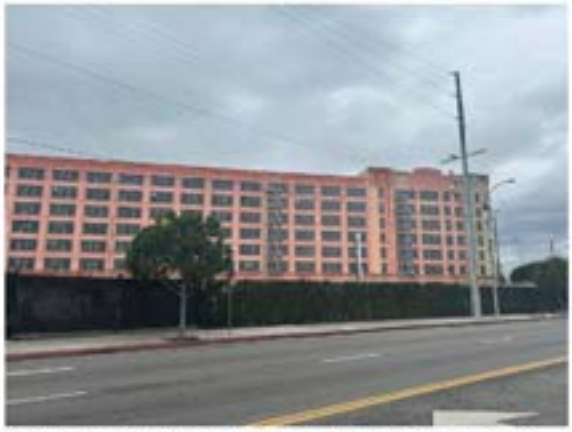

Photo 3. View west from S. Alameda Street of the east façade of Building 4 with surface parking and perimeter fence in the foreground (ARG, 2023).



Photo 4. View south from S. Alameda Street of the north façade of Building 4 with surface parking lot to the east (left of photo) (ARG, 2023).



Photo 5. View southeast on E. 7th Street of Buildings 1-4 (ARG, 2023).



Photo 6. View southeast on S. Central Avenue of Building 5 (ARG, 2023).



Photo 7. View north of the North Lot, to be developed with Project Building C. Note east façade of Building 4 to the west (left of photo) (ARG, 2023).



Photo 8. View south of the South Lot, to be developed with Project Buildings A and B. Note non-contributing parking structure (Building 8) to the west (right of photo) (ARG, 2023).



Photo 9. Interior view west of the District and contributing buildings on Center Street (ARG, 2023).



Photo 10. Interior view north of the District between Buildings 2-3 (ARG, 2023).



Photo 11. Interior view south of the District on Dock Street. Note Building 7 to the west (right of photo) and non-contributing parking structure to the east (left of photo) (ARG, 2023).



Photo 12. View west of the inner court (historically a wholesale produce market) towards Building 5 (ARG, 2023).

3. Historical Overview of the Project Site

The buildings and infrastructure constituting the District were developed in phases between 1917 and 1923.[7] During this period, Los Angeles was experiencing an increase in economic growth and industrialization that included development of a sizable industrial district to the south and east of the central business district. The construction of this property signified the important trends in industrial growth and development that were shaping the city at this time.[8]

The Project Site was owned by the Southern Pacific Railroad, a major power broker that held title to vast tracts of land in Los Angeles in the early 20th century. The company commissioned architect John Parkinson and the Wurster Construction Company to develop a complex of industrial buildings on the property that would collectively serve as a terminal and wholesale market. The market would provide a central location where goods entering the City of Los Angeles by train could be received, stored, and sold, all in proximity to major railroad and transportation corridors.[9]

The first buildings in the District, constructed in 1917, included the three two-story produce buildings at the west end of the property (Buildings 1, 5, and 6), and the two six-story warehouse buildings facing E. 7th Street (Buildings 2-3).[10] The lower-slung buildings were constructed as a wholesale market for fresh produce, while the taller buildings were constructed as warehouses for the receiving and storage of rail-based freight. A network of narrow, parallel corridors between the warehouse buildings accommodated the entry of freight trains on rail spurs. Goods were unloaded from trains and onto the loading docks at the base of each building.[11]

Development of the property continued in the early 1920s with the construction of a seven-story warehouse in 1920 (Building 4) and another four-story warehouse in 1923 (Building 7).[12] These buildings were also designed by Parkinson's architectural firm (which, by this time was known as Parkinson and Parkinson) and constructed by the Wurster Construction Company.[13]

The easternmost portion of the District was historically developed with low-slung storage sheds and other ancillary structures.[14] Sanborn fire insurance maps indicate that these ancillary structures were variously constructed of concrete, masonry, and wood and were used for the

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[7] Christy Johnson McAvoy, Historic Resources Group, "724-732 Terminal St.," California Register of Historical Resources Nomination/Inventory Forms (Sacramento, CA: State of California Department of Parks and Recreation, 1997), Primary Record, Section P3, 1.
[8] McAvoy, "724-732 Terminal St.," Building, Structure, and Object Record, Section B13. 4.
[9] Christy Johnson McAvoy, Historic Resources Group, "Seventh Street Market," California Register of Historical Resources Nomination/Inventory Forms (Sacramento, CA: State of California Department of Parks and Recreation, 1997), Building, Structure, and Object Record, Section B13, 5.
[10] McAvoy, "Seventh Street Market," Building, Structure, and Object Record, Section B13, 5.
[11] McAvoy, "724-732 Terminal St.," Building, Structure, and Object Record, Section B13. 4.
[12] Richard Starzak and Leslie Heumann, Hatheway & Associates, "Los Angeles Union Terminal Buildings," California Register of Historical Resources Nomination/Inventory Forms (Sacramento, CA: State of California Department of Parks and Recreation, 1983), Historic Resources Inventory, Section 7B, 428.
[13] Starzak and Heumann, "Los Angeles Union Terminal Buildings," Historic Resources Inventory, Section 19, 429.
[14] Christy Johnson McAvoy, Historic Resources Group, "Los Angeles Union Terminal District," California Register of Historical Resources Nomination/Inventory Forms (Sacramento, CA: State of California Department of Parks and Recreation, 1997), District Record, Section D4, 3.

packing, storage, and shipping of vegetables (see Figs. 3-5). This area of the property also contained large amounts of railroad tracks given its proximity to freight rail lines that arrived from the east. The ancillary structures and tracks were removed in the 1980s, according to aerial photographs.[15] The area now consists of paved surface parking and the contemporary, ten-story parking structure that was built in 2016.[16]

The District functioned as one of Southern California's foremost distribution hubs for produce and other industrial goods for decades following its completion. As trucking supplanted rail as the primary method of freight transport and distribution, the buildings and spaces between them continued to be used in the same manner as before, except that trucks – instead of rail spurs – used the loading docks.[17] In the late 2010s, the property was repurposed into an urban office, retail, and dining hub known as ROW DTLA.[18]

[15] 1986 aerial photograph, Frame Finder, Special Research Collections, UCSB Library, University of California Santa Barbara, accessed January 2024, https://mil.library.ucsb.edu/ap_indexes/FrameFinder/.
[16] Architectural Resources Group, "Historic Resources Survey Report: Central City Community Plan Area," September 2016.
[17] Starzak and Heumann, "Los Angeles Union Terminal Buildings;" Christy Johnson McAvoy, Historic Resources Group, "Los Angeles Union Terminal District."
[18]Abigail Stone, Row DTLA: The Vast Complex of Historic Structures is Transformed into a Downtown Destination," Los Angeles Times, October 1, 2017.

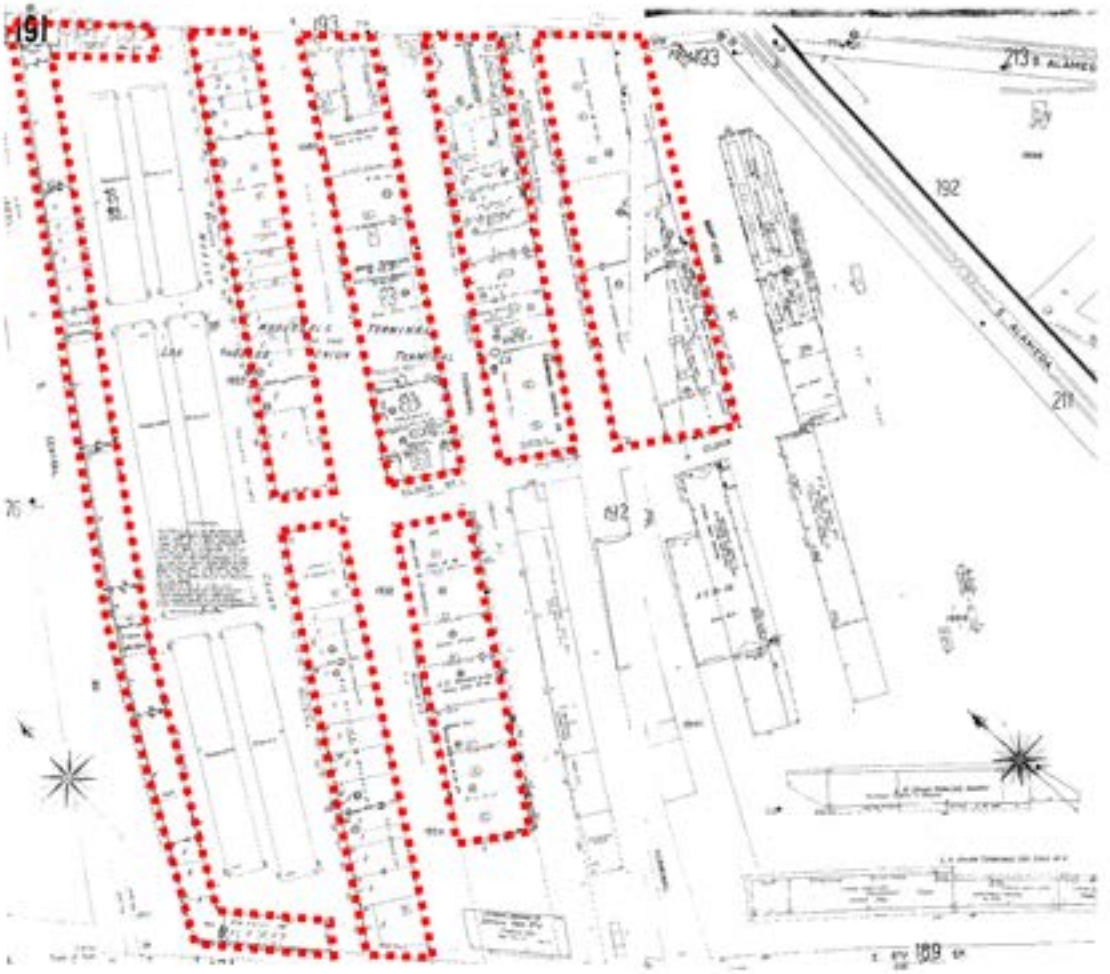

Fig. 3. *Sanborn map of Los Angeles Union Wholesale Terminal property with extant contributing buildings outlined in dashed red line, ca. 1950. Note presence of storage/train sheds and other ancillary structures on the east half of the property (these ancillary structures are no longer extant; replaced with surface parking in 1980s) (Sanborn Fire Insurance Maps, Los Angeles Public Library).*

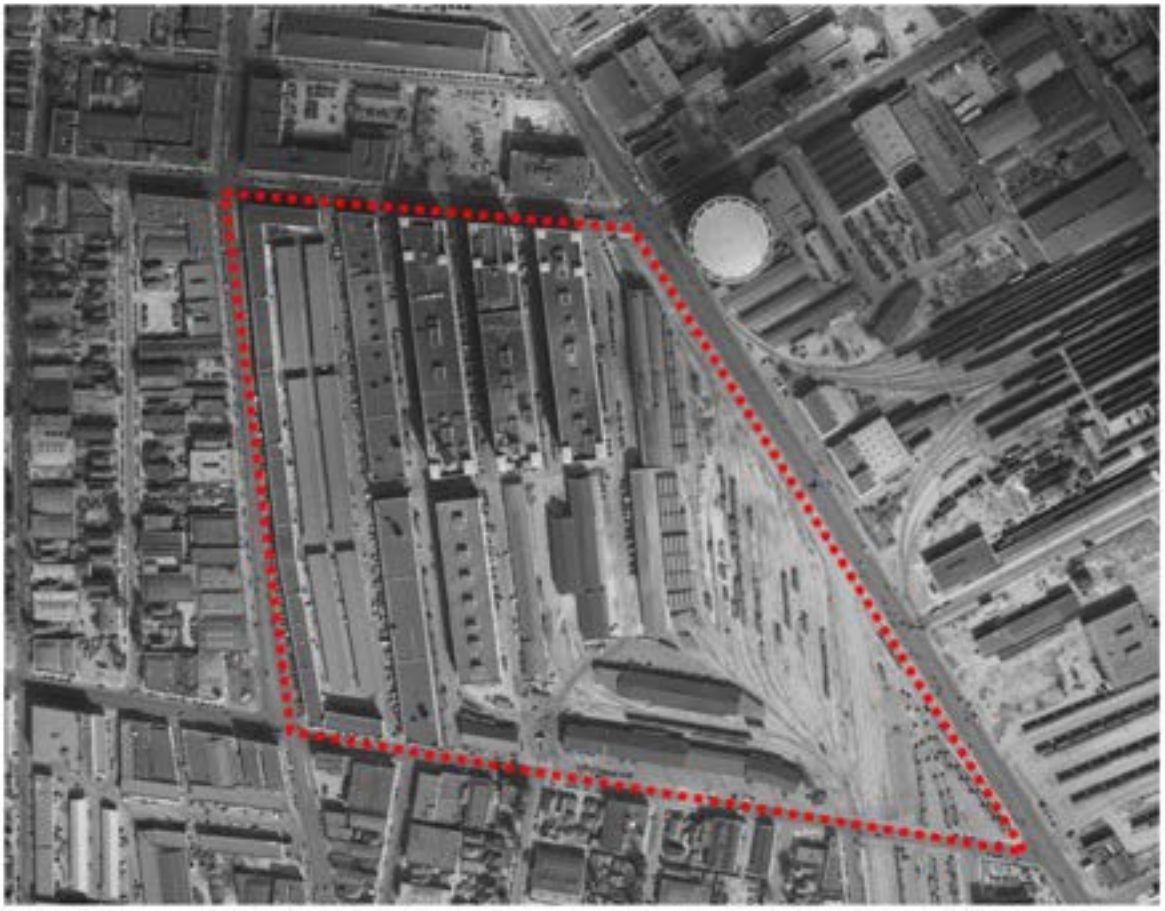

Fig. 4. Aerial photograph of the District, outlined in dashed red line, 1931. Note presence of rail spur lines and storage/train sheds on the east half of the District (removed and replaced with parking in the 1980s) (University of California, Santa Barbara Frame Finder).



Fig. 5. View southwest of the six and seven-story contributing buildings in the District, ca. 1920s. Note non-extant storage/train shed at far left of photograph (California State Library).

4. Regulatory Framework

4.1 Definition of Historical Resources

Pursuant to Section 15064.5 of the California Code of Regulations (CCR), Title 14, Chapter 3, the following are considered historical resources for the purposes of CEQA:

1. A resource listed in, or determined to be eligible by the State Historical Resources Commission, for listing in the California Register of Historical Resources (California Register).

2. A resource included in a local register of historical resources, as defined in Section 5020.1(k) of the California Public Resources Code (PRC), or identified as significant in an historical resource survey meeting the requirements in Section 5024.1(g) of the PRC, shall be presumed to be historically or culturally significant.

3. Any object, building, structure, site, area, place, record, or manuscript which a lead agency determines to be historically significant or significant in the architectural, engineering, scientific, economic, agricultural, educational, social, political, military, or cultural annals of California may be considered to be an historical resource, provided the lead agency's determination is supported by substantial evidence in light of the whole record. Generally, a resource shall be considered by the lead agency to be "historically significant" if the resource meets the criteria for listing in the California Register (PRC SS5024.1; Title 14 CCR, Section 4852).

4.2 Federal, State, and Local Evaluation Criteria

National Register of Historic Places

The National Register is the nation's master inventory of known historic resources. Created under the auspices of the National Historic Preservation Act of 1966,[19] the National Register is administered by the National Park Service (NPS) and includes listings of buildings, structures, sites, objects, and districts that possess historic, architectural, engineering, archeological, or cultural significance at the national, state, or local level. As described in National Register Bulletin 15: *How to Apply the National Register Criteria for Evaluation*, in order to be eligible for the National Register, a resource must both (1) be significant and (2) retain sufficient integrity to convey its significance.

[19] 16 U.S.C 470 et seq., as amended.

Significance is assessed by evaluating a resource against established criteria for eligibility. A resource is considered significant if it satisfies any one of the following four National Register criteria:[20]

A. Associated with events that have made a significant contribution to the broad patterns of our history;

B. Associated with the lives of significant persons in our past;

C. Embodies the distinctive characteristics of a type, period, or method of construction, or that represents the work of a master, or that possesses high artistic values, or that represents a significant and distinguishable entity whose components may lack individual distinction;

D. Has yielded, or may be likely to yield, information important in prehistory or history.

Once significance has been established, it must then be demonstrated that a resource retains enough of its physical and associative qualities – or integrity – to convey the reason(s) for its significance. Integrity is best described as a resource's "authenticity" as expressed through its physical features and extant characteristics. Whether a resource retains sufficient integrity for listing is determined by evaluating it against the seven aspects of integrity defined by the NPS:[21]

- Location (the place where the historic property was constructed or the place where the historic event occurred);
- Setting (the physical environment of a historic property);
- Design (the combination of elements that create the form, plan, space, structure, and style of a property);
- Materials (the physical elements that were combined or deposited during a particular period of time and in a particular manner or configuration to form a historic property);
- Workmanship (the physical evidence of the crafts of a particular culture or people during any given period in history or prehistory);
- Feeling (a property's expression of the aesthetic or historic sense of a particular period of time); and
- Association (the direct link between an important historic event/person and a historic property).

Integrity is evaluated by weighing all seven of these aspects together and is ultimately a "yes or no" determination – that is, a resource either retains sufficient integrity or it does not.[22] Some

[20] Some resources may meet multiple criteria, though only one needs to be satisfied for National Register eligibility. See National Register Bulletin 15: *How to Apply the National Register Criteria for Evaluation*, 2, https://www.nps.gov/subjects/nationalregister/upload/NRB-15_web508.pdf.
[21] National Register Bulletin 15, 44.
[22] National Register Bulletin 15, 44.

aspects of integrity may be weighed more heavily than others depending on the type of resource being evaluated and the reason(s) for its significance. Since integrity depends on a resource's placement within a historic context, integrity can be assessed only after it has been established that the resource is significant, and under which criteria.[23]

Generally, a resource must be at least 50 years of age to be eligible for listing in the National Register. Exceptions are made if it can be demonstrated that a resource less than 50 years old is (1) of exceptional importance or (2) is an integral component of a historic district that is eligible for the National Register.[24]

California Register of Historical Resources

The California Register is the authoritative guide to the State's significant historical and archeological resources. In 1992, the California legislature established the California Register "to be used by state and local agencies, private groups, and citizens to identify the state's historical resources and to indicate what properties are to be protected, to the extent prudent and feasible, from substantial adverse change."[25] The California Register program encourages public recognition and protection of resources of architectural, historical, archeological, and cultural significance; identifies historical resources for state and local planning purposes; determines eligibility for historic preservation grant funding; and affords certain protections under CEQA.

All resources listed in or formally determined eligible for the National Register are automatically listed in the California Register.[26] State Historic Landmarks #770 and forward are also automatically listed in the California Register.[27] In addition, properties designated under municipal or county ordinances, or through local historic resources surveys, are eligible for listing in the California Register.[28]

The structure of the California Register program is similar to that of the National Register, but places its emphasis on resources that have contributed specifically to the development of California. To be eligible for the California Register, a resource must first be deemed significant at the local, state, or national level under one of the following four criteria, which are modeled after the National Register criteria listed above:

1. It is associated with events or patterns of events that have made a significant contribution to the broad patterns of local or regional history, or the cultural heritage of California or the United States;

2. It is associated with the lives of persons important to local, California, or national history;

[23] National Register Bulletin 15, 44-45.
[24] National Register Bulletin 15, 42.
[25] California Public Resources Code, Section 5024.1 (a).
[26] California Public Resources Code, Section 5024.1 (d)(1).
[27] California Public Resources Code, Section 5024.1 (d)(2); California Office of Historic Preservation, *Technical Assistance Series #5: California Register of Historical Resources, The Listing Process* (Sacramento, CA: California Department of Parks and Recreation, n.d.), 1.
[28] California Public Resources Code, Section 5024.1 (e)(4).

3. It embodies the distinctive characteristics of a type, period, region, or method of construction, or represents the work of a master, or possesses high artistic values;

4. It has yielded, or has the potential to yield, information important to the prehistory or history of the local area, state, or the nation.[29]

Like the National Register, the California Register also requires that resources retain sufficient integrity to be eligible for listing. A resource's integrity is assessed using the same seven aspects of integrity used for the National Register. However, since integrity thresholds associated with the California Register are generally less rigid than those associated with the National Register, it is possible that a resource may lack the integrity required for the National Register but still be eligible for listing in the California Register.[30]

There is no prescribed age limit for listing in the California Register, although California Register guidelines state that "sufficient time must have passed to obtain a scholarly perspective on the events or individuals associated with the resource."[31]

City of Los Angeles, Cultural Heritage and Historic Preservation Overlay Zone Ordinances

The local designation programs for the City of Los Angeles include Historic-Cultural Monument (HCM) designation for individual resources and the adoption of Historic Preservation Overlay Zones (HPOZs) for concentrations of buildings, commonly known as historic districts. The City of Los Angeles Cultural Heritage Ordinance (Chapter 9, Section 22.171 *et seq.* of the Los Angeles Administrative Code) defines an HCM as any site (including significant trees or other plant life located thereon), building, or structure of particular historic or cultural significance to the City, meaning that it meets one or more of the following criteria:

1. Is identified with important events of national, state, or local history, or exemplifies significant contributions to the broad cultural, economic or social history of the nation, state, city or community;

2. Is associated with the lives of historic personages important to national, state, or local history;

[29] California Public Resources Code 5024.1(c); Title 14 CCR, Section 15064.5(a).
[30] California Office of Historic Preservation, *Technical Assistance Series #6: California Register and National Register: A Comparison* (Sacramento, CA: California Department of Parks and Recreation, 2001), 2, https://ohp.parks.ca.gov/pages/1069/files/technical%20assistance%20bulletin%206%202011%20update.pdf.
[31] California Office of Historic Preservation, *Technical Assistance Series #6: California Register and National Register: A Comparison*, 3. According to the *Instructions for Recording Historical Resources* (Office of Historic Preservation, March 1995), "Any physical evidence of human activities over 45 years old may be recorded for purposes of inclusion in the OHP's filing system. Documentation of resources less than 45 years old may also be filed if those resources have been formally evaluated, regardless of the outcome of the evaluation." This 45-year threshold is intended to guide the recordation of potential historical resources for local planning purposes, and is not directly related to an age threshold for eligibility against California Register criteria.

3. Embodies the distinctive characteristics of a style, type, period, or method of construction; or represents a notable work of a master designer, builder, or architect whose individual genius influenced his or her age.

The City of Los Angeles established its HPOZ ordinance in 1979. The ordinance was revised in 1997, 2000, 2004, and 2018. According to Section 12.20.3.B.17 of the Los Angeles Municipal Code (LAMC), a *Preservation Zone* is "any area of the City of Los Angeles containing buildings, structures, landscaping, natural features or lots having historic, architectural, cultural or aesthetic significance."

Local historic preservation ordinances often include standards for determining whether a resource retains sufficient integrity to merit local historic designation, and this language can vary widely from municipality to municipality. Some local ordinances do not mention integrity at all. The Los Angeles Cultural Heritage Ordinance does not include language about integrity. When evaluating historical resources in municipalities where the historic preservation ordinance does not provide guidance for assessing integrity, in accordance with best professional practices, it is customary to use the National Register's seven aspects of integrity to assess whether or not a resource retains sufficient integrity to convey its significance at the local level. ARG's experience with the City's Historic-Cultural Monument criteria is that the City does consider integrity in determining whether a historical resource qualifies as an HCM, but practices greater flexibility when evaluating integrity for local designation than is the case for determining state or federal eligibility.

As with the National and California Registers, in assessing integrity at the local level, some aspects may be weighed more heavily than others depending on the type of resource being evaluated and the reason(s) for its significance. For example, if a property is significant as an excellent example of an architectural style, integrity of design, workmanship, and materials may weigh more heavily than integrity of setting. In contrast, if a property is significant for its association with an important event or person, then integrity of setting, feeling, and association may weigh more heavily than integrity of design.

5. Summary of Historical Significance

5.1 Previous Designations and Studies

In 1997, the subject property was evaluated for historical significance through the Section 106 review process (Historic Resources Group, Determination of Eligibility, Los Angeles Union Terminal District, 1997). From that evaluation, the entire property bounded by E. 7th, E. 8th, and S. Alameda streets (north, south, east) and S. Central Avenue (west), named the Los Angeles Union Terminal District, was determined eligible for listing in the National Register as a historic district under Criteria A and C, as follows:

> Constructed between 1917 and 1923, the Los Angeles Union Terminal District is an intact example of buildings constructed for closely related uses by the railroad, defining transportation, wholesale, and storage methods in the early twentieth century. As such, it is a significant and distinguishable entity and eligible for listing in the National Register under Criterion A. The buildings in the District are also excellent examples of early twentieth century industrial architecture. The District therefore is significant under National Register Criterion C because its individual components embody the distinctive characteristics of a type. All of the contributing buildings within the district were designed by John Parkinson, the most prolific and important architect in Los Angeles during the period in which they were built. As the buildings are closely related by use, similar in appearance, designed by the same architectural firms, and built by the same construction company, they were evaluated as an historic district rather than as individual resources.[32]

The period of significance identified for the District is 1917 to 1923, reflecting the period during which all contributing buildings within the District were constructed.

Consistent with the Section 106 Review process, the Los Angeles Union Terminal District in its entirety was assigned a status code of 2S2 (determined eligible for the National Register by consensus, and listed in the California Register), and all buildings within the complex at that time were identified as contributing features (see Fig. 6). Therefore, the District satisfies the definition of a "historical resource" for purposes of CEQA.

None of the buildings on the property has been formally designated under the City of Los Angeles' Cultural Heritage or Historic Preservation Overlay Zone ordinances.

[32] "Determination of Eligibility, Los Angeles Union Terminal District," prepared Jul. 17, 1997 by Historic Resources Group.



Fig. 6. Los Angeles Union Wholesale Terminal District. The District boundary is outlined in red, and the seven buildings outlined in yellow were identified as contributors to the District. The 2016 parking structure, outlined in purple, is a non-contributor (it was not present at the time of the District's evaluation) (Google Earth; adapted by ARG, 2023).

5.2 Character-Defining Features

Character-defining features are those physical elements of a resource that define its historic character and help to convey its significance. In instances of future change to a historic resource, character-defining features should be retained to the greatest extent feasible in order to ensure that a resource can continue to physically represent its historical period.

Previous documentation of the District does not identify character-defining features of the District or any of its contributing buildings. For the purposes of this study and its analysis of the Project's potential impacts, ARG has determined that the following are the character-defining features of the District and its contributing buildings:

- Siting of buildings on the west portion of the property, deeply set back from S. Alameda Street

- Relationship between contributing buildings, including long narrow corridors separating buildings
- Inner court that was historically used as a wholesale produce market (west end)
- Narrow footprints and linear north-south arrangement of contributing buildings
- Historic industrial use and utilitarian architectural vocabulary of contributing buildings, including flat roofs, cast-in-place concrete exterior walls, loading docks (where present), and repetitive, industrial steel sash windows
- Beaux Arts detailing (symmetrical façades, pilasters, stepped parapets, truncated corner towers) at the north and south ends of the six and seven-story buildings fronting on E. 7th Street
- Arched gateways at the westernmost building that lead to the inner court

5.3 Historical Resources Records Search

ARG conducted a records search for the Project Site and a quarter-mile radius around the Site at the South Central Coastal Information Center (SCCIC) in December 2023. ARG's search did not identify any known prehistoric or historic archaeological resources within a quarter-mile radius of the Site. The historic built environment resources identified on the Site include the District, already described herein. No other historic built environment resources were identified on the Site. ARG's search in the SCCIC identified 15 built environment resources[33] within a quarter-mile radius around the Site; however, all of these resources had been found ineligible for designation at the federal, state, and/or local level through survey or the Section 106 process (assigned 6Y and 6Z status codes)[34] and are thus excluded from further evaluation in this Technical Report. (see *Appendix B* for resource reports obtained through the SCCIC records search).

Concurrently with the SCCIC records search, ARG conducted a search of the BERD database, as well as of the City of Los Angeles's HPLA historic resources inventory database, for historic built environment resources within a quarter-mile radius around the Site. In addition to the historic built environment resources identified through the SCCIC search, ARG's search located 17 potentially eligible historic resources, including 13 individual resources, two historic districts, and two non-parcel resources (historic air raid sirens) within a quarter-mile radius of the Project Site.

Of the resources identified through the SCCIC records search and ARG's BERD and HPLA searches as being located within a quarter-mile radius around the Site, 12 historical resources (or potential historical resources) are located in the "vicinity" of the Project Site. For these purposes, "vicinity" is generally defined as directly adjacent to the Site and/or within view of or from the Site. ARG did not conduct an independent analysis of the eligibility of any of these 12 resources. Rather, for the purposes of this Technical Report, the following resources are presumed to be historical resources for a conservative analysis of potential indirect impacts. The following 12 identified historical resources are within the vicinity of the Site:

[33] One of the resources identified as ineligible—La Kretz Innovation Campus, 500-542 S. Colyton Street—is composed of multiple buildings. See *Appendix B*.

[34] The building at 901-905 E. 6th Street (Rossmore Hotel) was identified as ineligible for National and California Register listing, but was not assigned a status code. See *Appendix B*.

1. 1013 ½ S. Central Avenue, commercial building (Booker T. Washington Building, 1916): Identified through SurveyLA (2016) as potentially individually eligible; more research needed

2. 1122 E. 7th Street, post office (United States Post Office - Market Station, 1940): Identified through SurveyLA (2016) as individually eligible for National Register listing

3. 1201-1203 E. 8th Street, commercial building (1928): Identified through SurveyLA (2016) as individually eligible for California Register listing

4. 1226 E. 7th Street, commercial/hotel building (1925): Identified as individually eligible through a Determination of Eligibility (2001) report prepared for receipt of federal funding through the U.S. Department of Housing and Urban Development (HUD)

5. 1205 E. 6th Street, mixed-use commercial building (Monday Women's Club, 1912): Identified through SurveyLA (2016) as eligible as a contributor to the Downtown Los Angeles Industrial Historic District and as potentially individually eligible; more research needed

6. 1617 E. 7th Street, industrial building (Sperry Flour Co., Angeles Mill, 1903): Identified through SurveyLA (2016) as eligible as a contributor to the Downtown Los Angeles Industrial Historic District and as individually eligible for National Register listing

7. 1745 E. 7th Street, industrial building (Diamond Walnut Company, 1921): Identified through SurveyLA (2016) as eligible as a contributor to the Downtown Los Angeles Industrial Historic District and as individually eligible for National Register listing

8. 1753 E. Olympic Boulevard, industrial building (Western Electric Company, 1925): Identified through SurveyLA (2016) as individually eligible for National Register listing

9. 1807 E. Olympic Boulevard, industrial building (Overland Terminal Produce Warehouse, 1931): Identified through SurveyLA (2016) as individually eligible for California Register listing

10. Air Raid Siren No. 189, non-parcel resource, southwest corner of 8th Street and McGarry Street (1940): Identified through SurveyLA (2016) as individually eligible for National Register listing

11. Downtown Los Angeles Industrial Historic District, industrial district, generally bounded by E. 1st Street on the north, Santa Fe Avenue and Mateo Street on the east, E. 7th Street on the south, and S. Alameda Street on the west (1900-1940): Identified through SurveyLA (2016) as eligible for National Register listing

12. Central Wholesale Produce Market, produce market, generally bounded by 8th Street on the north, Olympic Boulevard on the south, Central Avenue on the east, and Kohler Street on the west (1927): Identified through SurveyLA (2016) as eligible for listing in the California Register as a historic district

6. Impacts Analysis

6.1 Summary of Historical Resource Findings

Pursuant to Section 15064.5(a)(1) of the State CEQA Guidelines (CEQA Guidelines), the term "historical resource" includes a resource listed in, or determined to be eligible by the State Historical Resources Commission, for listing in the California Register of Historical Resources (California Register). The District has been formally determined eligible for listing in the National Register and is thus listed in the California Register.[35] Therefore, the District is considered a historical resource for the purposes of CEQA.

In the 21 years since the District was designated, few material changes have been made within its boundaries. These changes include the construction of a ten-story parking garage structure at the southeast portion of the property and minimal alterations to contributing buildings and the Site in their adaptation from industrial to commercial use as part of ROW DTLA. None of the contributing buildings has endured alterations that have compromised its status as a contributor, and the addition of the parking garage did not compromise the integrity of the District as a whole. Thus, the District continues to be eligible for the National Register and California Register as originally documented.

There are 12 historical resources (or potential historical resources) located in the vicinity of the Site as enumerated above in *Section 5.3*.

6.2 Significance Threshold

According to the California CEQA Guidelines, a project has the potential to create a significant impact on a historical resource when the project may cause a "substantial adverse change" in the resource's significance. Substantial adverse change is defined as "physical demolition, destruction, relocation, or alteration of the resource or its immediate surroundings such that the significance of an historical resource would be materially impaired."[36]

The California CEQA Guidelines further provide that "[t]he significance of an historical resource is materially impaired when a project:

a) Demolishes or materially alters in an adverse manner those physical characteristics of an historical resource that convey its historical significance and that justify its inclusion in, or eligibility for, the California Register of Historical Resources; or

b) Demolishes or materially alters in an adverse manner those physical characteristics that account for its inclusion in a local register of historical resources pursuant to Section 5020.1(k) of the Public Resources Code or its identification in an historical resources survey meeting the requirements of Section 5024.1(g) of the Public Resources Code,

[35] California Public Resources Code, Section 5024.1 (d)(1).
[36] CEQA Guidelines, Section 15064.5(b).

unless the public agency reviewing the effects of the project establishes by a preponderance of evidence that the resource is not historically or culturally significant; or

c) Demolishes or materially alters in an adverse manner those physical characteristics of a historical resource that convey its historical significance and that justify its eligibility for inclusion in the California Register of Historical Resources as determined by a lead agency for the purposes of CEQA."[37]

Additional Guidance under the Secretary of the Interior's Standards

The Secretary of the Interior's Standards for the Treatment of Historic Properties with Guidelines for Preserving, Rehabilitating, Restoring & Reconstructing Historic Buildings (the Standards) are a set of treatment standards for historic buildings developed by the National Park Service. The Standards for Rehabilitation are used by federal, state, and local agencies to provide guidance as to the suitability of various elements of a proposed project that could affect a historic resource.

For the purposes of CEQA, a project that has been determined to conform with the Standards shall generally be considered to be a project that will not cause a significant impact on a historical resource (CEQA Guidelines, Section 15126.4(b)(1)).

6.3 Project Description

The Project proposes the construction of two mixed-use buildings and one multi-family residential building on the existing non-historic paved North and South Lots, just east of S. Alameda Street between E. 7th Street and Bay Street/E. 8th Street, within the District. The buildings would be located just north and south of Center Street, which runs east-west through the Site. The Project proposes three eight-story new construction buildings that would comprise 1,000 total residential units, 1,000 parking spaces, and 6,131 square feet of retail and café space. Buildings A and B would be constructed on the South Lot, and Building C would be constructed on the North Lot. Building A would include 1,267 square feet of commercial space at the first floor; 417 residential units at the first through eighth floors; and two levels of subterranean parking. Building B would include 216 residential units at the first through eighth floors and two levels of subterranean parking. Building C would consist of 4,946 square feet of commercial space at the first floor; 367 residential units at the first through eighth floors; and one level of subterranean parking. All three buildings would be surrounded by new landscaping, and Building C would be significantly set back from the intersection of E. 7th and S. Alameda streets (approximately 100') so as to maintain important viewsheds of the adjacent contributing buildings to the west.

The Project buildings would have irregular shapes that would partially wrap around central landscaped exterior courtyards at ground level. They would feature flat roofs with outdoor patios and unornamented exterior cement plaster wall cladding. Exterior walls would be clad in smooth stucco with corrugated metal accent cladding, invoking an industrial quality. The buildings would have repetitive, regularly spaced vinyl windows at residential units, and aluminum storefronts at

[37] CEQA Guidelines, Section 15064.5(b)(2)

retail and amenity spaces. The corners of the buildings would be rounded and stepped (their footprints getting smaller as their height increases) to provide views to and from adjacent contributing buildings on the Site.

6.4 Analysis of Project Impacts

Historical Resources on the Project Site

As noted above, a project may have the potential to impact a historical resource if the project would result in a "substantial adverse change" to the significance of a historical resource. Generally speaking, as stated above, substantial adverse change is defined as demolition or material alteration in an adverse manner of those physical characteristics of a historical resource that convey its historical significance and that justify its inclusion in, or eligibility for, the California Register.

As previously described, the District was formally determined eligible for National Register designation through the Section 106 process and is thus listed in the California Register. Therefore, the District meets the definition of a historical resource for the purposes of CEQA.

The Project, which would be constructed on two existing (non-historic, non-contributing) surface parking lots within the District, would not result in the demolition of the District or any of its contributing buildings.

Although the Project would result in some changes to the District with the construction of three new buildings within its boundaries, the District and its seven contributing buildings would continue to retain all of their character-defining features, which are as follows:

- Siting of buildings on the west portion of the property, deeply set back from S. Alameda Street
- Relationship between contributing buildings, including long narrow corridors separating buildings
- Inner court that was historically used as a wholesale produce market (west end)
- Narrow footprints and linear north-south arrangement of contributing buildings
- Historic industrial use and utilitarian architectural vocabulary of contributing buildings, including flat roofs, cast-in-place concrete exterior walls, loading docks (where present), and repetitive, industrial steel sash windows
- Beaux Arts detailing (symmetrical façades, pilasters, stepped parapets, truncated corner towers) at the north and south ends of the six- and seven-story buildings fronting on E. 7th Street
- Arched gateways at the westernmost building that lead to the inner court

In addition, the Project would not obscure important viewsheds of the contributing buildings within the District. Specifically, the north end of the Project's Building C would be significantly set back (approximately 100') from E. 7th Street so that the west-adjacent, Building 4's Beaux Arts detailing at its northeast end would remain visible when viewed from S. Alameda Street. The

portions of Building 4 that the Project would obscure from view from S. Alameda Street are utilitarian and repetitive in appearance; the Project would not block views of any unique characteristics of Building 4 from any direction. The Project's Buildings A and B would only block views of the 2016 parking structure (Building 8), which does not contribute to the District. Because their construction would occur on the non-historic parking lots, the Project's proposed new buildings would not impact any important existing circulation patterns or Site features. For these reasons, upon Project completion, the District would continue to be eligible for listing in the National Register and California Register.

Furthermore, the new construction would comply with the Secretary of the Interior's Standards for Rehabilitation as discussed in detail below. Because the Project would comply with the Standards and preserve all the physical characteristics of the District and its contributing buildings that convey their historical significance and eligibility for listing in the National and California Registers, the Project would not result in a substantial adverse change in the historical significance of the District or its contributors.

Standards Compliance

The Standards for Rehabilitation are an analytical tool for understanding and describing the potential impacts of a project on historical resources. Under CEQA, compliance with the Standards does not necessarily determine whether a project would cause a substantial adverse change in the significance of a historical resource. Rather, projects that comply with the Standards benefit from a regulatory presumption that they would have a less than significant adverse impact on a historical resource.[38]

Though the Project is located within the boundaries of the District, the new development is proposed on two paved surface parking lots that do not contribute to the significance of the District. Thus, the Project would not directly physically impact any contributing elements of the historical resource. For this reason, only Standards 9 and 10 of the Standards for Rehabilitation, which address changes to the site, environment, and related new construction, apply to the Project (Standards 1-8 relate to material treatment of a historic building – or buildings – itself). The following discussion provides an analysis of how the Project complies with Standards 9 and 10.

9. *New additions, exterior alterations, or related new construction will not destroy historic materials, features, and spatial relationships that characterize the property. The new work shall be differentiated from the old and will be compatible with the historic materials, features, size, scale and proportion, and massing to protect the integrity of the property and its environment.*

The Project meets Standard No. 9. The Project would consist of three new eight-story buildings along S. Alameda Street between E. 7th Street and Bay Street/E. 8th Street, at the east side of the District. Because the new buildings are proposed on paved surface parking lots, which do not

[38] *CEQA Guidelines*, Section 15064(b)(2).

contribute to the historic district, the new construction would not destroy any historic materials or features that characterize the District. The new buildings' flat roofs, unadorned cement plaster wall cladding, and repetitive fenestration patterns would be compatible with the scale, proportion, massing, and exterior features and materials of the contributing buildings within the District.

The three new buildings would be eight stories tall and would not exceed 88' from grade to top of parapet. Buildings A and B would be next to the non-contributing ten-story parking structure, which is taller than the proposed buildings and would separate them visually from any of the contributing buildings to the west. The Project's Building C would be directly adjacent to Building 4, a contributing building, although it is roughly 9' shorter (85' tall from the bottom of the first floor to the top of the parapet) than the historic building (which is roughly 94' tall). Thus, it is compatible in size with the closest contributor in the District.

The contributing buildings of the District, particularly Building 4 which is closest to the Project buildings and Alameda Street, do not have a significant relationship with Alameda Street. Rather, they front north onto E. 7th Street or west onto S. Central Avenue. The more architecturally ornate portions of those buildings are focused on the E. 7th Street frontage; the rear portions of the buildings (visible from S. Alameda Street) are utilitarian and repetitive. The existing paved North and South Lots where the new construction is proposed were historically developed with storage/train sheds, rail spurs, and other rail-related structures and infrastructure. Those improvements have all been demolished, and thus any significant spatial relationships between them and the rest of the contributing buildings within the District have been lost. Thus, the Project would not destroy any historic spatial relationships that characterize the District, since the new buildings are being constructed in an area that has already been significantly altered. Even though the Project's Building C would block views from S. Alameda Street of the southern portion of contributing Building 4, this view is not a historically significant view, and the more architecturally distinctive portions of contributing Building 4 that face E. 7th Street would remain visible.

10. *New additions and adjacent or related new construction will be undertaken in such a manner that, if removed in the future, the essential form and integrity of the historic property and its environment would be unimpaired.*

The Project meets Standard No. 10. The proposed development would be constructed on two non-contributing paved surface parking lots within the District. Because the proposed development would be constructed on the non-historic North and South Lots, the Project's proposed new buildings would not impact any important existing circulation patterns or Site features. If the new construction were removed in the future, the integrity of the District and its environment would be unimpaired.

Summary of Continued Eligibility

The District currently retains sufficient integrity to be eligible for listing in the National and California Registers. The District is eligible for listing under Criteria A/1 and C/3 for its association

with early 20th century transportation, wholesale, and storage methods and as an excellent collection of early 20th century industrial buildings designed by master architect John Parkinson.

This Technical Report has analyzed the Project's potential to directly impact historical resources. The Project would involve the construction of three new eight-story buildings on two non-contributing paved surface parking lots within the District. An objective of the Project is to retain all seven contributing buildings within the District in a manner that will not materially impair the significance of the historical resource. Upon completion of the Project, the District would continue to be eligible for listing in the National and California Registers.

Historical Resources in the Vicinity of the Project Site

The Project would not have an indirect impact on any historical resources located in the vicinity of the Site. For these purposes, "vicinity" is conservatively defined as directly adjacent to the Site and/or within view of or from the Site. As described in *Section 5.3*, there are 12 identified historical resources (or potential historical resources) located both within a quarter-mile radius and in the vicinity of the Site (see also Fig. 7):

1. 1013 ½ S. Central Avenue, commercial building (Booker T. Washington Building, 1916): Identified through SurveyLA (2016) as potentially individually eligible; more research needed

2. 1122 E. 7th Street, post office (United States Post Office - Market Station, 1940): Identified through SurveyLA (2016) as individually eligible for National Register listing

3. 1201-1203 E. 8th Street, commercial building (1928): Identified through SurveyLA (2016) as individually eligible for California Register listing

4. 1226 E. 7th Street, commercial/hotel building (1925): Identified as individually eligible through a Determination of Eligibility (2001) report prepared for receipt of federal funding through the U.S. Department of Housing and Urban Development (HUD)

5. 1205 E. 6th Street, mixed-use commercial building (Monday Women's Club, 1912): Identified through SurveyLA (2016) as eligible as a contributor to the Downtown Los Angeles Industrial Historic District and as potentially individually eligible; more research needed

6. 1617 E. 7th Street, industrial building (Sperry Flour Co., Angeles Mill, 1903): Identified through SurveyLA (2016) as eligible as a contributor to the Downtown Los Angeles Industrial Historic District and as individually eligible for National Register listing

7. 1745 E. 7th Street, industrial building (Diamond Walnut Company, 1921): Identified through SurveyLA (2016) as eligible as a contributor to the Downtown Los Angeles Industrial Historic District and as individually eligible for National Register listing

8. 1753 E. Olympic Boulevard, industrial building (Western Electric Company, 1925): Identified through SurveyLA (2016) as individually eligible for National Register listing

9. 1807 E. Olympic Boulevard, industrial building (Overland Terminal Produce Warehouse, 1931): Identified through SurveyLA (2016) as individually eligible for California Register listing

10. Air Raid Siren No. 189, non-parcel resource, southwest corner of 8th Street and McGarry Street (1940): Identified through SurveyLA (2016) as individually eligible for National Register listing

11. Downtown Los Angeles Industrial Historic District, industrial district, generally bounded by E. 1st Street on the north, Santa Fe Avenue and Mateo Street on the east, E. 7th Street on the south, and S. Alameda Street on the west (1900-1940): Identified through SurveyLA (2016) as eligible for National Register listing

12. Central Wholesale Produce Market, produce market, generally bounded by 8th Street on the north, Olympic Boulevard on the south, Central Avenue on the east, and Kohler Street on the west (1927): Identified through SurveyLA (2016) as eligible for listing in the California Register as a historic district

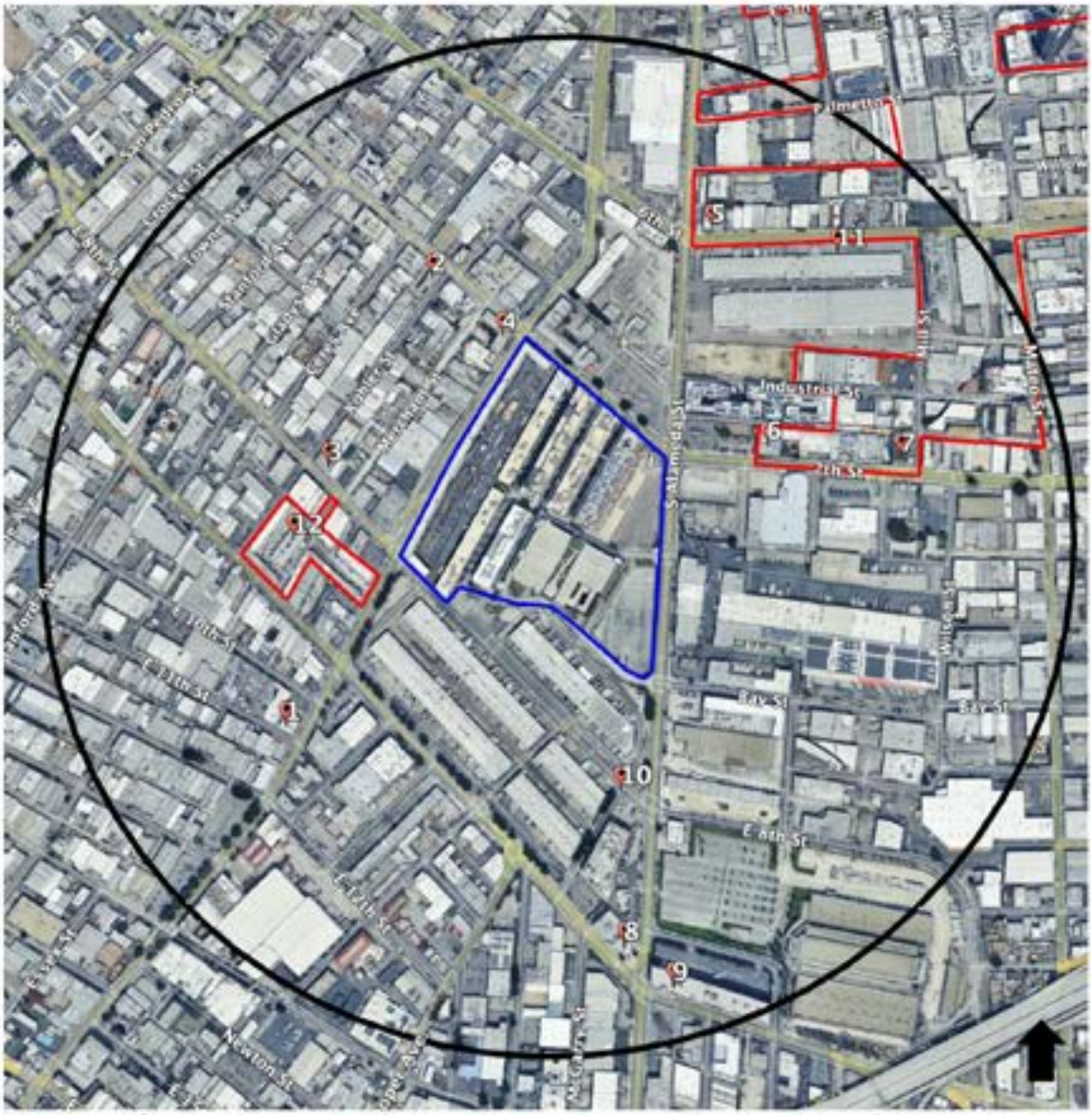

Fig. 7. Map of historical resources and potential historical resources (numbered 1-12; districts outlined in red) in the vicinity of the Project Site (outlined in blue) (Google Maps; adapted by ARG, 2024).

As stated above, ARG did not conduct an independent analysis of eligibility of any of these 12 resources. Rather, for the purposes of this Technical Report, the properties are presumed to be historical resources for a conservative analysis of potential indirect impacts. ARG's analysis of the Project's potential to have an indirect impact on each of these resources is described below.

1. 1013 ½ S. Central Avenue (Booker T. Washington Building, 1916)

The Booker T. Washington Building is a three-story, mixed-use building, located two blocks south of the Project Site, along the west side of S. Central Avenue. The Project's proposed eight-story buildings would only be minimally visible (above other closer buildings) from the Booker T. Washington Building when looking northeast along Central Avenue. Because the Booker T. Washington Building fronts onto S. Central Avenue, important views of the historical resource are

from the street; the Project would not block any views of the building. The resource is already surrounded by scattered industrial and commercial development from the early 1900s, when the resource was built, to the late 20th century, including a 1980s warehouse and fast food restaurant directly across from the building on the east side of S. Central Avenue. Therefore, the setting of the resource has already materially changed prior to the construction of the Project. Furthermore, at two blocks away, the Project is too far from the Booker T. Washington Building to be considered part of its historic setting. For these reasons, the Project would not further alter the current setting of the historical resource.

Thus, following completion of the Project, the Booker T. Washington Building would continue to convey all of its important historic and physical characteristics that make it eligible for designation. It would retain all aspects of integrity it currently does upon completion of the Project. Therefore, the Project would not have any indirect impacts on the building.

2. 1122 E. 7th Street (United States Post Office - Market Station, 1940)

3. 1201-1203 E. 8th Street (1928)

4. 1226 E. 7th Street (1925)

The one-story post office at 1122 E. 7th Street, one-story commercial building at 1201-1203 E. 8th Street, and three-story mixed-use building at 1226 E. 7th Street are located to the west of the Project Site. While the Project Site is visible from these buildings when looking east on E. 7th and E. 8th Streets, views of the Project's proposed eight-story new construction buildings would be blocked by the six and seven-story contributing buildings, Buildings 2-4, adjacent to the Project buildings in the District. Therefore, the Project's buildings would not block any important views from these resources. Further, these resources are located west of the District, away from the area where the Project's new buildings would be located; therefore, the Project's new buildings would not block any views of or change any of the development currently surrounding these resources. Thus, the Project's new development would not alter the current setting of these historical resources.

For these reasons, following Project completion, the post office and commercial buildings would continue to convey all of their important historic and physical characteristics that make them eligible for designation. Therefore, the Project would not have any indirect impacts on these resources.

5. 1205 E. 6th Street (Monday Women's Club, 1912)

The three-story Monday Women's Club building is located one block north of the Project Site, along the north side of E. 6th Street and near its intersection with S. Alameda Street. It fronts south onto E. 6th Street, with a distant, southerly view of the Project Site and Buildings 2-4 of the District. The Project's proposed eight-story buildings would be minimally visible (beyond other closer buildings) from the club building when looking southwest along S. Alameda Street; however, the Project buildings would not block this resource's currently existing distant views of the District and Buildings 2-4. Because the club building faces E. 6th Street, important views of this historical resource are from the street. The Project would not block any of these views of the

building. The resource is already surrounded by scattered industrial and commercial development from the early 1900s, when the club was built, to the mid-20th century, including a late 1960s warehouse directly across from the Monday Women's Club on the south side of E. 6th Street (built decades after the club building); therefore, the setting of this resource has already materially changed prior to the construction of the Project. Furthermore, at a block away, the Project is too far from the club building to be considered part of its historic setting. The club building would remain visually separate and oriented away from the Project Site. For these reasons, the Project would not further alter the current setting of the historical resource. Thus, following completion of the Project, the Monday Women's Club building would continue to convey all of its important historic and physical characteristics that make it eligible for designation. It would retain all aspects of integrity it currently has upon completion of the Project. Therefore, the Project would not have any indirect impacts on the building.

6. 1617 E. 7th Street (Sperry Flour Co., Angeles Mill, 1903)

7. 1745 E. 7th Street (Diamond Walnut Company, 1921)

The two-story Sperry Flour Co./Angeles Mill and seven-story Diamond Walnut Company buildings are located a block east of the Project Site, along the north side of E. 7th Street. The Project's three new eight-story buildings would be visible from both of these buildings when looking southwest along E. 7th Street; however, due to the design of the Project's buildings (as discussed above), these historical resources would still have views of the District's contributing buildings. Because the industrial buildings face E. 7th Street, important views of the historical resources are from the street. The Project would not block any of these views of these buildings. The historic setting of these buildings has already been somewhat compromised since their construction in the early 1900s with surrounding industrial infill development (south side of E. 7th Street) dating to the 1970s and 1980s. Thus, the Project, which would remain visually separate and oriented away from these buildings, would not further alter their settings.

For all of these reasons, following completion of the Project, the Sperry Flour Co./Angeles Mill and Diamond Walnut Company buildings would continue to convey all of their important historic and physical characteristics that make them eligible for designation. They would retain all aspects of integrity they currently have after the Project is completed. Therefore, the Project would not have any indirect impacts on either of the buildings.

8. 1753 E. Olympic Boulevard (Western Electric Company, 1925)

9. 1807 E. Olympic Boulevard (Overland Terminal Produce Warehouse, 1931)

The four-story Western Electric Company and six-story Overland Terminal Produce Warehouse buildings are located approximately one block south of the Project Site, at the intersection of E. Olympic Boulevard and S. Alameda Street. The Project's proposed eight-story buildings would be visible from these historical resources when looking north along S. Alameda Street. Because these buildings face Olympic and Alameda, important views of them are from the streets. The Project would not block any of these views of the buildings. These resources are already surrounded by scattered industrial and commercial development from the early 1900s, when they were built, to the mid-20th century, including 1990s and early 2000s industrial buildings to the north along S. Alameda Street; therefore, the settings of these resources have already materially changed prior

to the construction of the Project. Furthermore, at one block away, the Project is too far from the either of these buildings to be considered part of their historic settings. The buildings would remain visually separate and oriented away from the Project Site. For these reasons, the Project would not further alter the current settings of these historical resources.

For all of these reasons, following completion of the Project, the Western Electric Company and Overland Terminal Produce Warehouse buildings would continue to convey all of their important historic and physical characteristics that make them eligible for designation. They would retain all aspects of integrity they currently do upon completion of the Project. Therefore, the Project would not have any indirect impacts on the buildings.

10. Air Raid Siren No. 189 (southwest corner of 8th Street and McGarry Street, 1940)

Air Raid Siren No. 189 is located south of the Project Site, at the southwest corner of 8th Street and McGarry Street. The Project's three new eight-story buildings would be visible above other closer industrial buildings directly north of the air raid siren. Given the reasons for the resource's significance, the air raid siren does not possess any inherently important views or viewsheds. The air raid siren would remain visually separate from the Project Site.

After the Project is completed, the air raid siren would continue to convey all of its important historic and physical characteristics that make it eligible for designation. It would retain all aspects of integrity it currently has and therefore the Project would not have any indirect impacts on the resource.

11. Downtown Los Angeles Industrial Historic District (generally bounded by E. 1st Street on the north, Santa Fe Avenue and Mateo Street on the east, E. 7th Street on the south, and S. Alameda Street on the west, 1900-1940)

The Downtown Los Angeles Industrial Historic District encompasses dozens of industrial buildings dating from the late 19th century to the early 1940s. The district is sited on the east side of S. Alameda Street between E. 1st and E. 7th Streets, just north and east of the Project Site.

The Project's proposed three new buildings would be visible from the southern edge of the industrial district when looking south along S. Alameda Street. Important views of the district and its contributing buildings are from streets within the district, which would not be blocked by the Project. The historic district's setting beyond its boundaries has changed since its original development with the demolition of buildings on surrounding thoroughfares as well as new industrial and commercial infill dating to the late 20th century. The historic district would remain visually separated and oriented away from the Project Site. For these reasons, the Project would not further alter the current setting of the historic district and its contributing buildings.

Following completion of the Project, the Downtown Los Angeles Industrial Historic District and its contributing buildings and features would continue to convey all of their important historic and physical characteristics that make them eligible for designation. The district and its contributors would retain all aspects of integrity they currently do upon completion of the Project. Therefore, the Project would not have any indirect impacts on this historic district.

12. Central Wholesale Produce Market (generally bounded by 8th Street on the north, Olympic Boulevard on the south, Central Avenue on the east, and Kohler Street on the west, 1927)

The Central Wholesale Produce Market includes seven one-story industrial buildings at the interior of a block bounded by E. 8th Street, E. Olympic Boulevard, S. Central Avenue, and Kohler Street. The Market is located just south and west of the Project Site. The Project's proposed three new buildings would be visible from the Market when looking north along S. Central Avenue or east along E. 8th Street; however, due to the design of the Project's buildings (discussed above), existing views of the District from the Market would be maintained. All Market buildings can be viewed internally from smaller vehicular courts and externally from surrounding streets. Thus, important views of the Market buildings are from within the Market and from surrounding streets, which would not be blocked by the Project. The Market's setting has changed since its original development in the 1920s with the demolition and substantial alteration of buildings on surrounding thoroughfares as well as new industrial and commercial infill dating to the late 20th century. The Market would remain visually separated and oriented away from the Project Site. For these reasons, the Project would not further alter the current setting of the historic district and its contributing buildings.

Following completion of the Project, the Central Wholesale Produce Market and its contributing buildings and features would continue to convey all of their important historic and physical characteristics that make them eligible for designation. The Market and its contributors would retain all aspects of integrity they currently have upon completion of the Project. Therefore, the Project would not have any indirect impacts on the Market.

7. Conclusion

In conclusion, the Project would not have a significant impact on historical resources under CEQA.

The Project Site is located within the Los Angeles Union Terminal District, a historical resource as defined by CEQA. The Project would not materially impair the significance of the District or any of its seven contributing buildings. All character-defining features of the District and its contributors would be retained under the Project, as would important viewsheds of District contributors. The Project's three eight-story new construction buildings would be built on existing non-historic surface parking lots. They would be compatible with the size, scale, proportions, massing and exterior materials and features of the District and its contributing buildings. The District would continue to be eligible for listing in the National Register and California Register upon Project completion.

There are 12 identified historical resources (or potential historical resources) in the vicinity of the Project Site. The significance of these resources would not be materially impaired by the Project, and thus the Project would not have indirect impacts on any historical resources in its vicinity.

8. References

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Appendix A. Resumes

Architectural
Resources Group

KATIE E. HORAK

Principal | Architectural Historian & Preservation Planner

Katie is a Los Angeles-area native and Principal in ARG's Los Angeles office. She has nearly twenty years experience in the field of historic resource management in both the public and private sectors. Katie is a recognized leader in the industry, bringing creative and innovative solutions to complex issues related to historic site documentation, management, and adaptive re-use. Katie brings expertise in policies related to the California Environmental Quality Act (CEQA), Secretary of the Interior's Standards compliance, and provides strategic guidance regarding project approvals, entitlements, and outreach/consensus building.

Relevant Project Experience

- 1411 N. Broadway Historic Resource Assessment and Project Impacts Analysis, Santa Ana, CA
- Hotel El Roblar, Historic Resources Report and Project Impacts Analysis, Ojai, CA
- 3100 S. Figueroa Project, Historical Resources Technical Report, Los Angeles, CA
- 8601 S. Vermont Avenue, Historical Resource Assessment and Project Impacts Analysis, Los Angeles, CA
- Pomona College Master Plan EIR, Historical Resources Technical Report under CEQA, Claremont, CA
- Century Plaza Hotel, Historical Resources Technical Report under CEQA, Los Angeles, CA
- University of California, San Diego, Humanities & Social Sciences Building Repair, San Diego, CA
- City of Los Angeles, Historical Housing and Land Use Study, Los Angeles, CA
- Colony 29, Rehabilitation Study and Concept Design, Palm Springs, CA
- Ocotillo Lodge, Historic Paint Palette Study, Palm Springs, CA
- Inspiration Heights Historic District National Register Nomination, San Diego, CA
- Title Insurance and Trust Company Building, Rehabilitation, Seismic Upgrade, and Historic Preservation Certification Application for Federal Historic Tax Credits, Los Angeles, CA (ongoing)
- Santa Fe Railway Depot, Historic Preservation Certification Application for Federal Historic Tax Credits, Redlands, CA (ongoing)
- City Transfer and Storage Company Warehouse, Historic Preservation Certification Application for Federal Historic Tax Credits, Redlands, CA (ongoing)
- Harrower Laboratory and Clinic, Rehabilitation Study, Glendale, CA
- Lucas Museum of Narrative Art EIR, Historical Resources Technical Report, Los Angeles, CA
- California State University Long Beach, Historic Preservation Consulting, Long Beach, CA
- The Factory at Robertson Lane, Historic Preservation Consulting and Technical Report under CEQA, West Hollywood, CA



Education

Master of Heritage Conservation, University of Southern California

University of Oregon, Eugene Historic Preservation Field School in Canova, Italy

Bachelor of Arts, Art (Painting/Drawing), Whitworth College, Spokane, Washington

Meets the *Secretary of the Interior's Professional Qualifications Standards* in Architectural History

Memberships

President-Elect, Docomomo US

Founding President, Docomomo US, Southern California Chapter

Los Angeles Conservancy

Society of Architectural Historians, Southern California Chapter

Los Angeles Headquarters Association (LAHQ)

Academic Involvement

Adjunct Assistant Professor, University of Southern California.

Current courses taught: *Introduction to Historic Site Documentation*, and *Advanced Documentation: Historic Resources Surveys*

Architectural
Resources Group

EVANNE ST. CHARLES, LFA, LEED AP O+M

Senior Associate | Architectural Historian & Preservation Planner

Evanne is an Architectural Historian and Preservation Planner in ARG's Los Angeles office with over ten years of experience in historic resource management. She has managed and contributed to a range of historic preservation projects, including historic structure reports, landmark nominations, historic resources surveys, California Environmental Quality Act (CEQA) compliance documentation, Mills Act Property Tax Abatement Program administration, and federal historic preservation tax credit applications. Evanne is also actively involved with the Association for Preservation Technology International (APT) as a co-chair of the APT's Technical Committee on Sustainable Preservation.

Relevant Project Experience

- 110 Holly Street, Secretary of the Interior's Standards Compliance Memorandum for Building Rehabilitation, Pasadena, CA
- 900 E. Broadway Historic Resource Assessment and Project Impacts Analysis, Glendale, CA
- 1411 N. Broadway Historic Resource Assessment and Project Impacts Analysis, Santa Ana, CA
- 1828 Ocean Avenue/1920 Ocean Front Walk, Evaluation of Impacts to Historic Resources under CEQA, Santa Monica, CA
- 3100 S. Figueroa Project, Historical Resources Technical Report, Los Angeles, CA
- 8601 S. Vermont Avenue, Historical Resource Assessment and Project Impacts Analysis, Los Angeles, CA
- Chavez Gardens Project, Secretary of the Interior's Standards Compliance Review, Los Angeles, CA
- Hotel El Roblar, Historic Resources Report and Project Impacts Analysis, Ojai, CA
- Lassen and Mason Redevelopment, Historical Resources Assessment Report and Project Impacts Analysis, Los Angeles, CA
- Lucas Museum of Narrative Art EIR, Historical Resources Technical Report, Los Angeles, CA
- Miramar Beach Resort and Bungalows Affordable Employee Housing, Market Rate Housing and Resort-Visitor Serving Commercial Project, Historical Resources Technical Report, Montecito, CA
- Mission Place Development, Evaluation of Impacts to Historic Resources under CEQA, South Pasadena, CA
- Norton Simon Museum, Secretary of the Interior's Standards Compliance Memorandum for Exterior Improvement Project, Pasadena, CA
- Pasadena Conservatory of Music, Secretary of the Interior's Standards Compliance Memorandum for Learning Center Addition, Pasadena, CA
- Sepulveda and Centinela Project SCEA, Historical Resources Technical Report, Los Angeles, CA



Education

Master of Science, Historic Preservation, University of Oregon, Eugene

Bachelor of Arts, Art History with Architecture and Environment Emphasis; Bachelor of Arts, Geography, University of California, Santa Barbara

Meets the *Secretary of the Interior's Professional Qualifications Standards* in Architectural History

Memberships

Association for Preservation Technology International (APT), Member

Western Chapter of the Association for Preservation Technology (WCAPT), Member

APT Technical Committee on Sustainable Preservation (TC-SP), Co-Chair

APT TC-SP, OSCAR Focus Group, Co-Chair

Los Angeles Conservancy, Member

California Preservation Foundation, Member

Docomomo US, Member

Appendix B. SCCIC Records Search Results

19-174071

State of California — The Resources Agency
DEPARTMENT OF PARKS AND RECREATION
PRIMARY RECORD

Primary # Voided 19-176292,
HRI # ~~100856~~ 073200
Trinomial
NRHP Status Code 6Y4

Page 1 of 1

Other Listings
Review Code _____ Reviewer Christy J. McAvoy Date _____

P1. Resource Identifier: PRODUCE HOTEL

P2. Location: a. County Los Angeles and (Address and/or UTM Coordinates. Attach Location Map as required.)

b. Address 1201 E CENTRAL AV, 1711 S. Central Ave
City Los Angeles Zip

c. UTM: USGS Quad Los Angeles (7.5'/15') Date _____; Zone _____ , _____ mE/ _____ mN

d. Other Location Data (e.g., parcel #, legal description, directions to resources, additional UTMs, etc., when appropriate):

P3. Description Describe resource and its major elements. Include design, materials, condition, alterations, size, setting, and boundaries):

A flat roof with a stepped parapet tops this three-story commercial building. Constructed of masonry in a running bond pattern, it features symmetrical and regular fenestration. Its first floor is dominated by large storefront windows, many of which have been filled in with tile and glass brick. The main entrance is surrounded by a molded entablature. The building is altered and earthquake damaged.

P4. Resources Present: ☒ Building ☐ Structure ☐ Object ☐ Site ☐ District ☐ Element of District

P5. Photograph or Drawing (photograph required for buildings, structures, and objects)



P6. Date Constructed/Age:
☐ Prehistoric ☒ Historic ☐ Both
1915 E

P7. Owner and Address:
Skid Row Housing Trust

P8. Recorded by (Name, affiliation and address): Christy J. McAvoy
Historic Resources Group
1728 N. Whitley Ave
Los Angeles, CA 90028

P9. Date Recorded: 11/9/94

P10. Type of Survey: ☐ Intensive
☐ Reconnaissance ☒ Other
Describe: Survey of earthquake damaged properties for purposes of Section 106 Review.

P11. Report Citation (Provide full citation or enter "none."):
1994 Northridge Earthquake Project Review

Attachments: ☒ NONE ☐ Map Sheet ☐ Continuation Sheet ☐ Building, Structure, and Object Record
☐ District Record ☐ Linear Resource Record ☐ Other (List):

19-175845

State of California — The Resources Agency
DEPARTMENT OF PARKS AND RECREATION
PRIMARY RECORD

Primary # _____
HRI # 99457
Trinomial _____
NRHP Status Code 6Y4

Page 1 of 1

Other Listings _____
Review Code _____ Reviewer Christy J. McAvoy Date _____

P1. Resource Identifier: SALVATION ARMY-HARBOR LIGHT CENTER

P2. Location: a. County Los Angeles and (Address and/or UTM Coordinates. Attach Location Map as required.)

b. Address 801 E 5TH ~~AV~~ St

City Los Angeles Zip _____

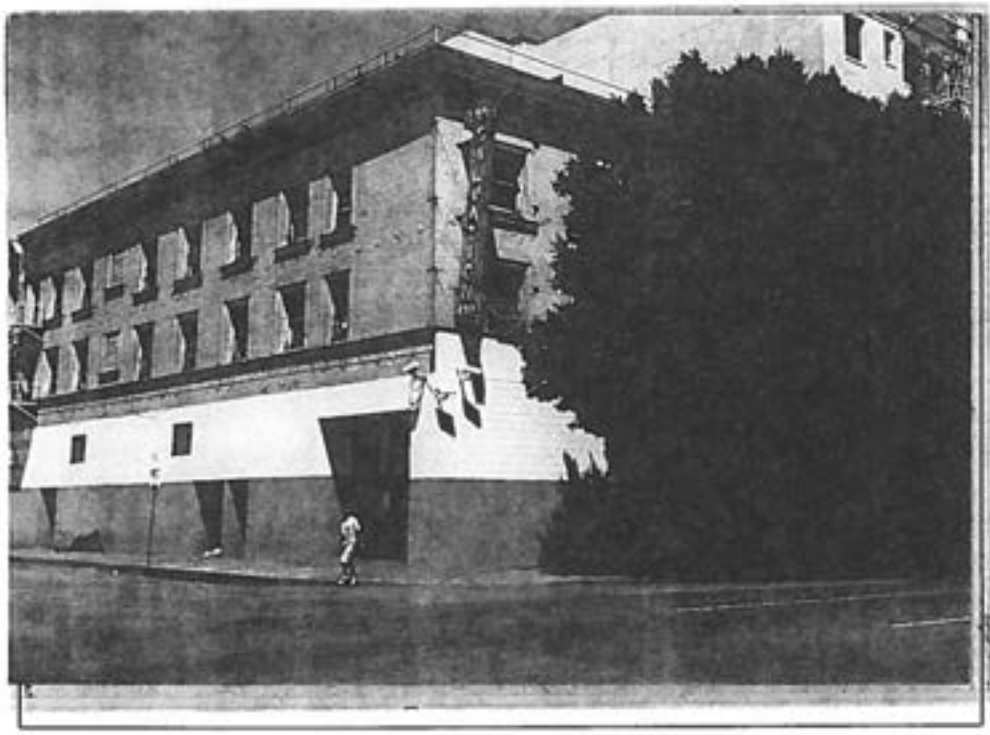
c. UTM: USGS Quad _____ (7.5'/15') Date _____; Zone _____ , _____ mE/ _____ mN

d. Other Location Data (e.g., parcel #, legal description, directions to resources, additional UTMs, etc., when appropriate):

P3. Description Describe resource and its major elements. Include design, materials, condition, alterations, size, setting, and boundaries):

A flat roof with a raised parapet adorned with a heavily molded and denticulated cornice tops this three story commercial building. Constructed of masonry, it features symmetrical fenestration on the two upper stories. A stringcourse divides the building at the top of the first floor, beneath which the building has been significantly altered. The facade of the first story has been stuccoed and otherwise greatly altered. The building is earthquake damaged.

P4. Resources Present: ☒ Building ☐ Structure ☐ Object ☐ Site ☐ District ☐ Element of District



P6. Date Constructed/Age:
☐ Prehistoric ☒ Historic ☐ Both
1915 E

P7. Owner and Address:
The Salvation Army

P8. Recorded by (Name, affiliation and address): Christy J. McAvoy
Historic Resources Group
1728 N. Whitley Ave
Los Angeles, CA 90028

P9. Date Recorded: 12/16/94

P10. Type of Survey: ☐ Intensive
☐ Reconnaissance ☒ Other
Describe: Survey of earthquake damaged properties for purposes of Section 106 Review.

P11. Report Citation (Provide full citation or enter "none."): _____
1994 Northridge Earthquake Project Review

Attachments: ☒ NONE ☐ Map Sheet ☐ Continuation Sheet ☐ Building, Structure, and Object Record
☐ District Record ☐ Linear Resource Record ☐ Other (List): _____

19-175846

State of California — The Resources Agency
DEPARTMENT OF PARKS AND RECREATION
PRIMARY RECORD

Primary # _____
HRI # 99458
Trinomial _____
NRHP Status Code 6Y4

Page 1 of 1

Other Listings _____
Review Code _____ Reviewer Christy J. McAvoy Date _____

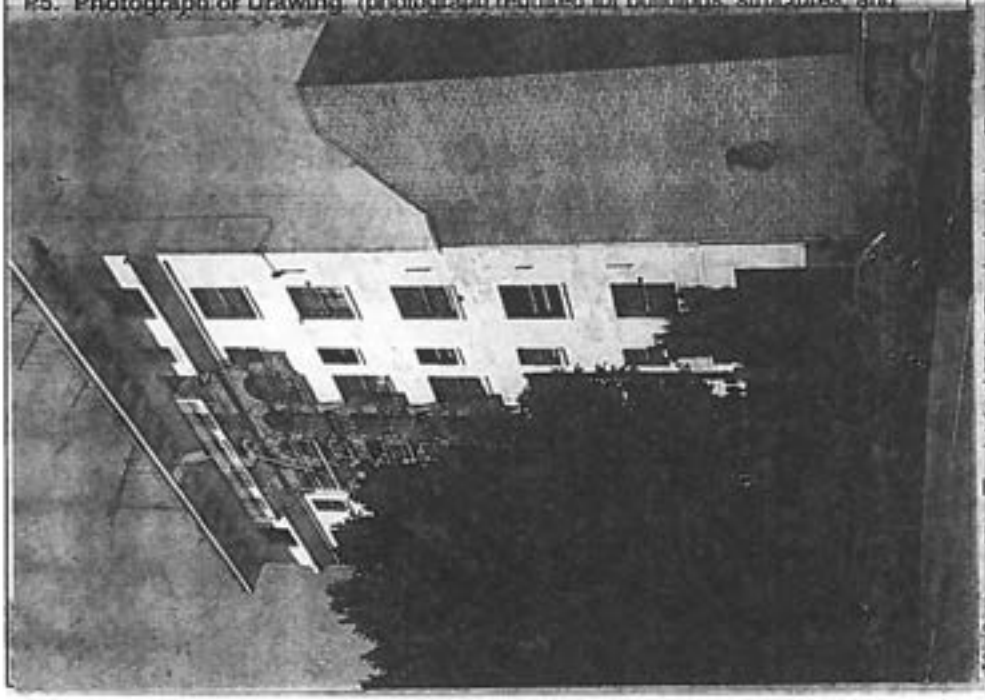
P1. Resource Identifier: SALVATION ARMY-HARBOR LIGHT CENTER
P2. Location: a. County Los Angeles and (Address and/or UTM Coordinates. Attach Location Map as required.)
b. Address 809 E 5TH AV
City Los Angeles Zip _____
c. UTM: USGS Quad _____ (7.5'/15') Date _____; Zone _____ , _____ mE/ _____ mN
d. Other Location Data (e.g., parcel #, legal description, directions to resources, additional UTMs, etc., when appropriate):

P3. Description Describe resource and its major elements. Include design, materials, condition, alterations, size, setting, and boundaries):

A flat roof with a raised parapet tops this seven-story commercial building. A wide ledge supported by brackets wraps the front facade at the top of its parapet. The building is clad with stucco and the fenestration on its front facade is symmetrical. The facade of the first floor of the building has been significantly altered and the building is earthquake damaged.

P4. Resources Present: ☒ Building ☐ Structure ☐ Object ☐ Site ☐ District ☐ Element of District

P5. Photograph or Drawing (photograph required for buildings, structures, and



P6. Date Constructed/Age:
☐ Prehistoric ☒ Historic ☐ Both
1912 E

P7. Owner and Address:
The Salvation Army

P8. Recorded by (Name, affiliation and address): Christy J. McAvoy
Historic Resources Group
1728 N. Whitley Ave
Los Angeles, CA 90028

P9. Date Recorded: 12/16/94

P10. Type of Survey: ☐ Intensive
☐ Reconnaissance ☒ Other
(Describe: Survey of earthquake damaged properties for purposes of Section 106 Review.

P11. Report Citation (Provide full citation or enter "none."):
1994 Northridge Earthquake Project Review

Attachments: ☒ NONE ☐ Map Sheet ☐ Continuation Sheet ☐ Building, Structure, and Object Record
☐ District Record ☐ Linear Resource Record ☐ Other (List): _____

19-175847

State of California — The Resources Agency
DEPARTMENT OF PARKS AND RECREATION
PRIMARY RECORD

Primary # _____
HRI # 19459
Trinomial _____
NRHP Status Code 6Y4

Page 1 of 1

Other Listings _____
Review Code _____ Reviewer Christy J. McAvoy Date _____

P1. Resource Identifier: SALVATION ARMY-SAFE HARBOR

P2. Location: a. County Los Angeles and (**Address** and/or **UTM Coordinates**. Attach Location Map as required.)

b. Address 721 E 5TH ST
City Los Angeles Zip _____

c. UTM: USGS Quad _____ (7.5'/15') Date _____; Zone _____ . _____ mE/ _____ mN

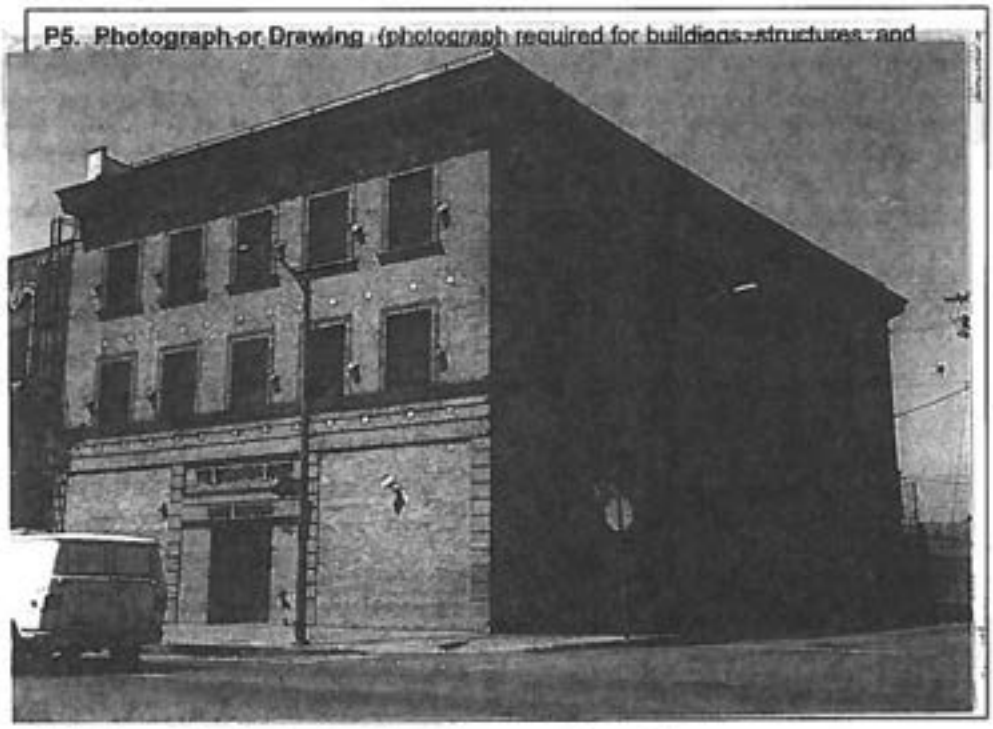
d. Other Location Data (e.g., parcel #, legal description, directions to resources, additional UTMs, etc., when appropriate):

P3. Description Describe resource and its major elements. Include design, materials, condition, alterations, size, setting, and boundaries):

A flat roof with a raised parapet adorned with a heavy molded and denticulated cornice tops this three story commercial building. Constructed of masonry, it features symmetrical fenestration on the street-facing facades of its two upper stories. At least two of the windows on the building's upper stories have been filled in with brick. A stringcourse divides the building at the top of the first floor, beneath which the building has been significantly altered. All of the large windows on the first floor have been filled in with brick. The building is earthquake damaged.

P4. Resources Present: ☒ Building ☐ Structure ☐ Object ☐ Site ☐ District ☐ Element of District

P5. Photograph or Drawing (photograph required for buildings, structures, and objects)



P6. Date Constructed/Age:
☐ Prehistoric ☒ Historic ☐ Both
1906 E

P7. Owner and Address:
The Salvation Army

P8. Recorded by (Name, affiliation and address): Christy J. McAvoy
Historic Resources Group
1728 N. Whitley Ave
Los Angeles, CA 90028

P9. Date Recorded: 11/9/94

P10. Type of Survey: ☐ Intensive ☐ Reconnaissance ☒ Other
Describe: Survey of earthquake damaged properties for purposes of Section 106 Review.

P11. Report Citation (Provide full citation or enter "none."): _____
1994 Northridge Earthquake Project Review

Attachments: ☒ NONE ☐ Map Sheet ☐ Continuation Sheet ☐ Building, Structure, and Object Record
☐ District Record ☐ Linear Resource Record ☐ Other (List): _____

19-175848

State of California — The Resources Agency
DEPARTMENT OF PARKS AND RECREATION
PRIMARY RECORD

Primary # _____
HRI # 9944()
Trinomial _____
NRHP Status Code 6Y4

Page 1 of 1

Other Listings _____
Review Code _____ Reviewer Christy J. McAvoy Date _____

P1. Resource Identifier: ELLIS HOTEL

P2. Location: a. **County** Los Angeles and (**Address** and/or **UTM Coordinates**. Attach Location Map as required.)

b. **Address** 800-804 E 6TH ST

City Los Angeles Zip _____

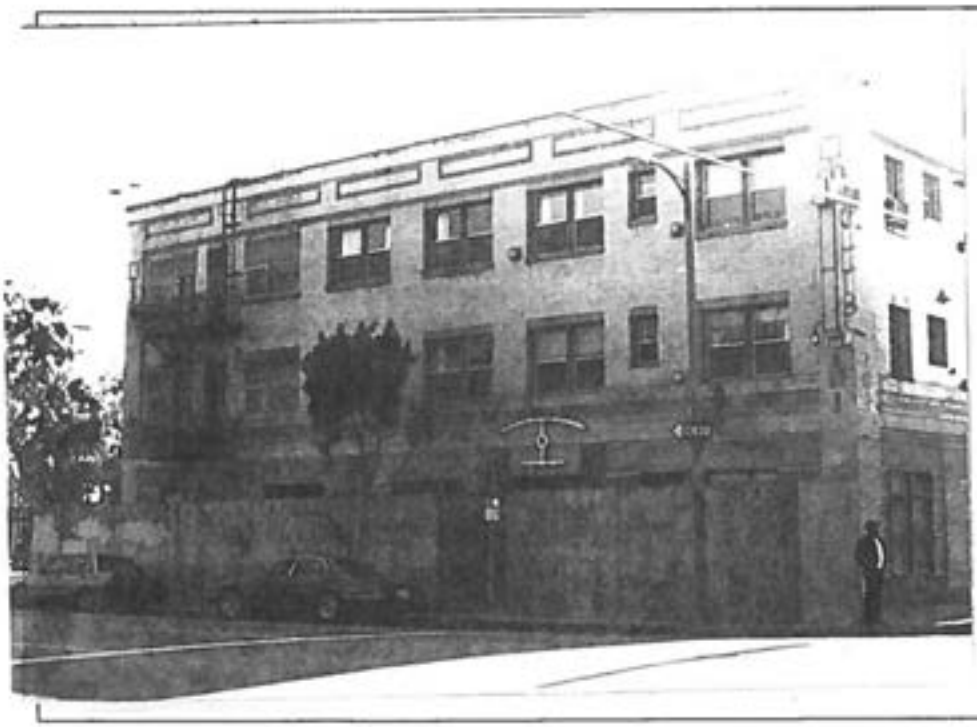
c. **UTM: USGS Quad** _____ (7.5'/15') **Date** _____; **Zone** _____ , _____ **mE/** _____ **mN**

d. Other Location Data (e.g., parcel #, legal description, directions to resources, additional UTMs, etc., when appropriate):

P3. Description Describe resource and its major elements. Include design, materials, condition, alterations, size, setting, and boundaries):

A flat roof with a parapet covers this three-story commercial building. Constructed of masonry and rectangular in plan, it features symmetrical rows of double-hung sash windows on its upper two stories and brick inlay detail on the raise parapet. The first floor facade appears to be altered, but it was obscured by a barricade wall at the time of survey. The building was earthquake damaged.

P4. Resources Present: ☒ Building ☐ Structure ☐ Object ☐ Site ☐ District ☐ Element of District



P6. Date Constructed/Age:
☐ Prehistoric ☒ Historic ☐ Both
1915 E

P7. Owner and Address:
Single Room Occupancy Housing Corporation

P8. Recorded by (Name, affiliation and address): Christy J. McAvoy
Historic Resources Group
1728 N. Whitley Ave
Los Angeles, CA 90028

P9. Date Recorded: 12/9/94

P10. Type of Survey: ☐ Intensive ☐ Reconnaissance ☒ Other
Describe: Survey of earthquake damaged properties for purposes of Section 106 Review.

P11. Report Citation (Provide full citation or enter "none."): _____
1994 Northridge Earthquake Project Review

Attachments: ☒ NONE ☐ Map Sheet ☐ Continuation Sheet ☐ Building, Structure, and Object Record
☐ District Record ☐ Linear Resource Record ☐ Other (List): _____

19-188033

State of California — The Resources Agency
DEPARTMENT OF PARKS AND RECREATION

PRIMARY RECORD

Primary #
HRI #
Trinomial
CHR Status Code

Other Listings
Review Code | Reviewer | Date

*Resource Name or #: 1340 East 6th Street; Los Angeles, CA 90021

P1. Other Identifier: 1354, 1356 East 6th Street (additional addresses identified in Sanborn maps)

***P2. Location:** ☐ Not for Publication ☒ Unrestricted *a. County: Los Angeles

and

*b. USGS 7.5' Quad: Los Angeles, CA Date: T. ;R. ; ¼ of ¼ of Sec ; S. B. B.M.

c. Address: 1340 East 6th Street
City: Los Angeles Zip: 90021

d. UTM: Zone: 10 ; mE/ mN (G.P.S.)

e. Other Locational Data: APN: 5164-011-001, 002 Elevation:

***P3a. Description:**

This six-story warehouse and office building was constructed in 1924 in a utilitarian industrial style with Beaux Arts elements. The building has a nearly rectangular plan and a symmetrical façade. It has a flat roof likely clad with composite material. An open tower with x-shaped bracing is visible at the south section of the building; there is also a water tank located on the roof. Nextel drawings for their candidate project show there to be three other structures on the roof; two are identified as "penthouse" and the third as "tank." These could not be observed during the evaluation. In addition, three sets of Verizon Wireless cellular antennas exist at the north, west and east ends of the roof. The foundation is made of concrete and the exterior walls are of reinforced concrete. Located just below the roof line at the façade, and the south and west elevations are triangular pediments supported by decorative brackets with scroll designs, located at each corner. There is also a fire escape located at the center of the façade, and two fire escapes located at the west elevation.

(continued on page 2)

***P3b. Resource Attributes:** HP8. Industrial Building

***P4. Resources Present:** ☒Building ☐Structure ☐Object ☐Site ☐District ☐Element of District ☐Other

P5a. Photo or Drawing (Photo required for buildings, structures, and objects.)



P5b. Description of Photo: View looking southwest at the façade, October 13, 2004

***P6. Date Constructed/Age and Sources:** ☒Historic ☐Prehistoric ☐Both
1924, Los Angeles County Assessor; 1945 (rear elevation addition), City of Los Angeles, Department of Building and Safety, original building permit

***P7. Owner and Address:**
Joyce E. Feldstein
(Feldstein Family Trust)
P. O. Box 161419
Sacramento, CA 95816

***P8. Recorded by:**
Christeen Taniguchi
Galvin & Associates
3819 Via La Selva
Palos Verdes Estates, CA 90274

***P9. Date Recorded:**
October 22, 2004

***P10. Survey Type:** Section 106 Compliance Review

***P11. Report Citation:** Section 106 compliance report for Nextel telecommunications facility candidate CA-8283A (Van Wyck)

***Attachments:** ☐NONE ☐Location Map ☐Sketch Map ☒Continuation Sheets ☒Building, Structure, and Object Record ☐Archaeological Record ☐District Record ☐Linear Feature Record ☐Milling Station Record ☐Rock Art Record ☐Artifact Record ☐Photograph Record ☐ Other (List):

State of California — The Resources Agency
DEPARTMENT OF PARKS AND RECREATION
Primary #
HRI#

CONTINUATION SHEET

*Resource Name or #: 1340 East 6th Street; Los Angeles, CA 90021
*Recorded by: Christeen Taniguchi
*Date: October 22, 2004
☒ Continuation ☐ Update

(continued from page 1)

The primary entrance faces north towards East 6th Street and is located at the center of the façade. There is a partially faded painted sign above it, indicating the current occupants, "Iron Mountain." This entrance has been remodeled; white marble panels clad the walls, stairs and landing; there is a metal handrail mounted at the center of the stairs.. The double doors are metal and glass, which are surrounded by a wall of lights. There are recessed round light fixtures above the landing. There are twelve warehouse garage entrance doors at the west elevation, each with metal roll up doors. There is also a pedestrian entrance at this elevation, located north of the garage entrances. There are also fourteen warehouse garage entrances with metal roll up doors at the east elevation. The original windows have metal frames and muntins; consisting of multiple lights, the center section pivots. There are also narrow horizontal single light windows openings, for the basement level, located at the façade; they are protected with metal security bars. A few of the windows at the façade have been filled in. There are no windows at the south elevation.

There is a 1945 one-story addition located at the south (rear) elevation. Like the original building, it has reinforced concrete exterior walls, and a flat roof. This addition has an irregular plan with three warehouse garage doors; they are located at the east, west and south elevations. The door at the south elevation is accessed by a concrete ramp. The building has large windows with multiple lights that appear to be fixed, at each of its elevations.

State of California — The Resources Agency
DEPARTMENT OF PARKS AND RECREATION
Primary #
HRI#

BUILDING, STRUCTURE, AND OBJECT RECORD

*CHR Status Code

*Resource Name or #: 1340 East 6th Street; Los Angeles, CA 90021

B1. Historic Name: Metropolitan Warehouse Co.
B2. Common Name: Iron Mountain
B3. Original Use: warehouse and offices
B4. Present Use: warehouse and offices
*B5. Architectural Style: utilitarian industrial with Beaux Arts elements

*B6. Construction History: The building was constructed in 1924 for warehouses and offices. The building construction was described this way in a November 23, 1924, *Los Angeles Times* article: "[The building] will contain approximately seven acres of floor space...It will be supported by 102 footings, each eighteen feet square and containing approximately 1300 cubic feet of concrete. To make the complete building, it will be necessary to use approximately 112,000 sacks of cement, 36,000,000 pounds of crushed rock, 24,000,000 pounds of sand, 3,000,000 pounds of reinforcing steel, 700,000 board feet of lumber for forms, six miles of pipe for sprinkler system, and three miles of electric conduit." During construction, a load capacity test was requested by the Los Angeles Department of Building and Safety. 256 tons of cement were loaded onto a 20 by 20 feet of floor space in the new building for eighteen hours, with only minimal deflection. This test was the severest that any floor in Los Angeles had been subjected to, up until that time.

(continued on page 4)

*B7. Moved? ☒No ☐Yes ☐Unknown Date: Original Location:

*B8. Related Features: The building was constructed up to the property line at the north, west and east elevations. At the south elevation, there is an asphalt paved area located west of the 1945 addition. In addition, there is also a non-original metal chain link fence with barbed wire located here.

B9a. Architect/Engineer: unknown
b. Builder: C. A. Fellows Co.
*B10. Significance: Theme: Warehouse Architecture
Area: Los Angeles
Period of Significance: 1924
Property Type: warehouse and offices
Applicable Criteria: N/A
(see page 4)

B11. Additional Resource Attributes: none

*B12. References:

City of Los Angeles, Department of Building and Safety: various building permits (original permit was not found).

City of Los Angeles, Central Public Library: Los Angeles city directories (1926-1941), Sanborn maps (1906-1970), *Los Angeles Times* database (various articles on the Metropolitan Warehouse Co.: "Huge Weight is Held by Floor," November 23, 1924; "Warehouse Structure Withstands Capacity Test," November 23, 1924; advertisement for an auction, April 8, 1945; "Warehouse's Sale Reported," October 8, 1950; Charles O. Simpson obituary, December 22, 1951).

County of Los Angeles, Assessor: assessor books.

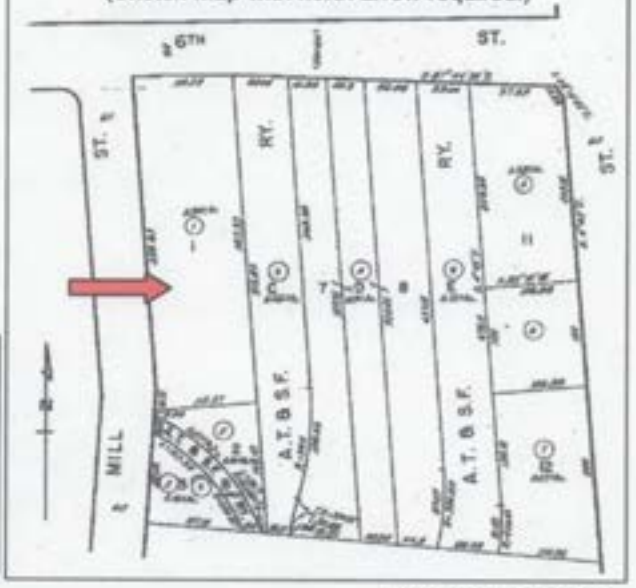
http://www.ironmountain.com/about/history.asp.

Pitt, Leonard and Dale Pitt. *Los Angeles A to Z*. Berkeley, California: University of California Press, c1997.

B13. Remarks:

*B14. Evaluator:
Christeen Taniguchi
Galvin & Associates
3819 Via La Selva
Palos Verdes Estates, CA 90274
*Date of Evaluation: October 22, 2004

(Sketch Map with north arrow required.)



(This space reserved for official comments.)

*Required information

State of California — The Resources Agency
DEPARTMENT OF PARKS AND RECREATION
Primary #
HRI#

CONTINUATION SHEET

*Resource Name or #: 1340 East 6th Street; Los Angeles, CA 90021
*Recorded by: Christeen Taniguchi
*Date: October 22, 2004
☒ Continuation ☐ Update

(from page 3)

***B6. Construction History:**

The most significant change occurred in 1945; a 5,300 square feet addition was constructed at the south elevation. The alteration permit listed Harry T. Miller as the architect, and William P. Neil Company, Ltd. as the contractor. Like the original building, the exterior walls are of concrete, and the roof is flat and clad with composite material. In 1927, a permit was filed for the installation of a water storage tank on the roof; it is likely that this not only supplied general water needs for the building, but also provided for the building's extensive sprinkler system. This tank still exists on the building. In 1934, a building permit was filed to close up an existing door opening on the east elevation; evidence of this closure could not be observed. In 1940, a permit was filed for installing a new cold storage room in the basement. A 1951 permit was for the alteration of the primary entrance; it indicated the removal of wood paneling, cast stone, and the cutting down of door stiles and rails, as well as the glazing. The current Modern style entrance is likely the result of this alteration. Otherwise, there were a good number of building permits filed throughout the decades for alterations of interior partitions and paneling, and other office configuration changes. Additional alterations observed during the site visit were the installations of metal rolling doors at the warehouse garage entrances. It is likely they were installed some time within the last two decades. A few of the windows at the façade have been filled in at unknown times.

***B10. Significance:**

The evaluated building was constructed in 1924 in a utilitarian industrial style with Beaux Arts elements for the Metropolitan Warehouse Co. The property was owned by the Atchison Topeka and the Santa Fe Railway Co. at that time, according to Los Angeles Assessor records. A *Los Angeles Times* article from that time, however, indicates the Western Improvement Company as the owner. The property had already been previously developed before the current building was constructed. A 1906 Sanborn map shows there to have been a one-story building occupied by the National Wood Pipe Co and Pacific Tank Co. A 1916 building permit was for the construction of market stalls at this location. Of course, both these and any other buildings or structures were demolished for the construction of the current building. By 1935, the Santa Fe Land Improvement Company owned the property. It was in their hands until 1950, when the property was in transition with the Howlin Realty Co., Inc. In 1950, Harry F. and Edith Leveson acquired the property for approximately $500,000; Harry was associated with the Wescar Investment Co. The building was in their hands until 1965. At that time, Dalton G. Feldstein acquired it. From 1988 until 1997, it was under the Dalton G. Feldstein Trust. Today the property is owned by the Joyce E. Feldstein Trust (Feldstein Family Trust).

The building was leased and occupied by the Metropolitan Warehouse Co. It was located within an industrial section of Los Angeles, just south of downtown and east of Alameda Street. When this building was constructed in 1924, the area was at its height in industry; in addition to warehouses such as this, light industries such as pottery, brewery, flour mill and meat packing were common. To the east of the evaluated building, beyond the Los Angeles River was a six block area called the Metropolitan Warehouse and Industrial District, which was established in 1925. This was a development tract catering to manufacturing and warehouses, promoted by them as "the last remaining large piece of downtown industrial acreage in Los Angeles." Although the evaluated building was not part of this district, it too was surrounded by other 1920s and 1930s warehouse and light industrial buildings such as those for Hills Bros. Coffee located to its east. By 1959, the Metropolitan Warehouse Co. also occupied the property next door at 1360 East 6th Street (known as 1366 East 6th Street at that time). According to the Sanborn map from that year, this building was being used by Metropolitan Warehouse to store plastic materials. By 1967, it was being used for general storage. Meanwhile, the 1950 Sanborn map shows that the northern and southern sections of the original building being evaluated was being used for liquor storage. The middle section was being used for general storage. The 1953 and subsequent Sanborn maps only indicates general storage as the use for the entire building. No specific use was identified for the 1945 addition. By the early 1960s, manufacturing was in decline in this area.

(continued on page 5)

State of California — The Resources Agency
DEPARTMENT OF PARKS AND RECREATION
Primary #
HRI#

CONTINUATION SHEET

*Resource Name or #: 1340 East 6th Street; Los Angeles, CA 90021
*Recorded by: Christeen Taniguchi
*Date: October 22, 2004
☒ Continuation ☐ Update

(continued from page 4)

The Metropolitan Warehouse Co. was established with Henry. B. Safford as president, A. Meyers as vice president and Rowe Sanderson as secretary-treasurer. According to their advertisement in the 1926 Los Angeles city directory, the Metropolitan Warehouse Co. operated the building in conjunction with the California Truck Co., which was incorporated in 1884. Safford was also secretary of California Truck at that time. Metropolitan Warehouse and California Truck advertised the 270,000 square feet building for storage, pool car distribution and draying (transporting of heavy goods using a low, strong cart with detachable sides); it also boasted sprinkler systems throughout. California Truck was one of the oldest companies associated with draying and distributing in Los Angeles. Metropolitan Warehouse also provided motor truck and team service for delivery to and from train depots and the Los Angeles Harbor. Safford and Sanderson continue to be listed in the city directories until the late 1930s; Meyer is no longer listed in these years. By 1941, the Los Angeles city directory simply indicates Charles O. Simpson as being the manager of Metropolitan Warehouse. Simpson died in 1951; his obituary lists him as the vice-president of the Metropolitan Warehouse Co.

The building is still identified as the Metropolitan Warehouse Co. in the 1970 Sanborn map. However, by the 1973 Haines directory, various occupants are listed in the building. These include, Allied Distribution, Hollywood Brands Ludens, Inc. and Metro Distribution; Metropolitan Warehouse is listed as one of the occupants. Today, the building is occupied by Iron Mountain, an international records storage and management services company based in Boston. Iron Mountain was founded in 1951 in New York state by Herman Knaust. They use the building for their storage business, and also have offices on the first floor level.

Integrity Statement

The building was constructed in 1924 as a warehouse with offices, and was called the Metropolitan Warehouse Co. In regard to the seven aspects of integrity of location, design, setting, materials, workmanship, feel and association, the building has retained its original location. It has not been moved. The setting of the property has remained essentially the same. The building is still located in an area with warehouses, and remnants of light industry buildings exist. Although the feeling remains essentially the same, there are buildings located to the north and east that have been demolished and replaced since the evaluated building was originally constructed. The building's association, feeling, design, materials and workmanship have remained essentially the same since its original construction The building retains its original rectangular shape and plan. It has its original industrial style multi-light windows with metal frames and muntins, although a few have been filled in at the façade. The building retains its minimally adorned original reinforced concrete construction, consistent with its use as a warehouse building. The building still has the pediments located at the roofline, reflective of the Beaux Arts style. The building has, however, been altered since its original construction. These changes include an early reinforced concrete addition made in 1945 at the rear of the property. In addition, the primary entrance has been altered. The integrity of the building is good. The condition of the building is also good.

(continued to page 6)

State of California — The Resources Agency
DEPARTMENT OF PARKS AND RECREATION
Primary #
HRI#

CONTINUATION SHEET

*Resource Name or #: 1340 East 6th Street; Los Angeles, CA 90021
*Recorded by: Christeen Taniguchi
*Date: October 22, 2004
☒ Continuation ☐ Update

(continued from page 5)

National Register of Historic Places Eligibility Evaluation

The property was assessed under National Register Criterion A for its potential significance as part of a historic trend that may have made a significant contribution to the broad patterns of our history. This building was constructed in 1924 as offices and warehouse for the Metropolitan Warehouse Co. It appears simply to have been a warehouse constructed within an industrial and warehouse setting located south of downtown Los Angeles. This building was located just outside of the Metropolitan Warehouse and Industrial District development tract established in 1925. In other words, there is no significant historic event or trend associated with this property. Therefore, the property does not appear to qualify for the National Register of Historic Places (NRHP) under Criterion A.

The property was considered under Criterion B for its association with the lives of persons significant in our past. When the Metropolitan Warehouse Co. was established, Henry B. Safford was its president, A. Meyers was vice president and Rowe Sanderson was secretary-treasurer. Charles O. Simpson was later vice president. Safford was also identified as a secretary for California Truck Co., and Simpson was also vice president of the Westland Warehouse. However, no evidence could be found to show that these people were significant to our past. Therefore, the property does not appear to qualify for the National Register of Historic Places (NRHP) under Criterion B.

The property was evaluated for Criterion C for embodying the distinctive characteristics of a type, period, or method of construction, or representing the work of a master, or possessing high artistic values, or representing a significant and distinguishable entity whose components may lack individual distinction. The building was designed in a utilitarian industrial style with Beaux Arts elements. Its integrity is good. The building retains its original rectangular shape and plan. It has its original industrial style multi-light windows with metal frames and muntins, although a few have been filled in at the façade. The building retains its minimally adorned original reinforced concrete construction, consistent with its use as a warehouse building. The building still has the pediments located at the roofline, reflective of the Beaux Arts style. The building has, however, been altered since its original construction. These changes include an early reinforced concrete addition made in 1945 at the rear of the property. In addition, the primary entrance has been altered. The building does not embody the distinctive characteristics of a type, period, or method of construction at the level of the NRHP. The evaluated building is located just outside of the Metropolitan Warehouse and Industrial District established in 1925. The building is still located in an area with warehouses, and remnants of light industry buildings exist. Although the feel remains essentially the same, there are buildings located to the north and east that have been demolished and replaced since the evaluated building was originally constructed. Thus, this building also does not represent a significant and distinguishable entity whose components may lack individual distinction. The builder was C. A. Fellows Co. There is no evidence to show that this company produced the works of masters. Therefore, the property does not appear to qualify for the National Register of Historic Places (NRHP) under Criterion C.

The property was considered for Criterion D for the potential to yield, or may be likely to yield, information important to prehistory or history. In order for buildings, structures, and objects to be eligible under this criterion, they would need to "be, or must have been, the principal source of important information." This is not the case with this property. Therefore, the property does not appear to qualify for the National Register of Historic Places (NRHP) under Criterion D.

In summary, the property does not appear to qualify for the NRHP under these criteria. Therefore, the building is not a historic resource for the purposes of NHPA. The property was not assessed for California Register or local designation eligibility.

State of California — The Resources Agency
DEPARTMENT OF PARKS AND RECREATION
Primary #
HRI#

CONTINUATION SHEET

*Resource Name or #: 1340 East 6th Street; Los Angeles, CA 90021
*Recorded by: Christeen Taniguchi
*Date: October 22, 2004 ☒ Continuation ☐ Update



View looking southeast at the upper floors of the facade



View looking south at the east section of the lower floors of the façade



View looking southwest at the primary entrance



View looking southeast at the façade and the north section of the west elevation



View looking southeast at the west elevation



View looking northeast at the west elevation

*Required information

State of California — The Resources Agency
DEPARTMENT OF PARKS AND RECREATION
Primary #
HRI#

CONTINUATION SHEET

*Resource Name or #: 1340 East 6th Street; Los Angeles, CA 90021

*Recorded by: Christeen Taniguchi *Date: October 22, 2004 ☒ Continuation ☐ Update



View looking northeast at the north section of the west elevation



View looking southeast at the south section of the west elevation



View looking southwest at the pedestrian entrance at the west elevation



View looking northeast at the south elevation; the 1945 addition is visible in the foreground



View looking east at the west elevation of the 1945 addition



View looking northeast at the south elevation of the 1945 addition

*Required information

State of California — The Resources Agency
DEPARTMENT OF PARKS AND RECREATION
Primary #
HRI#

CONTINUATION SHEET

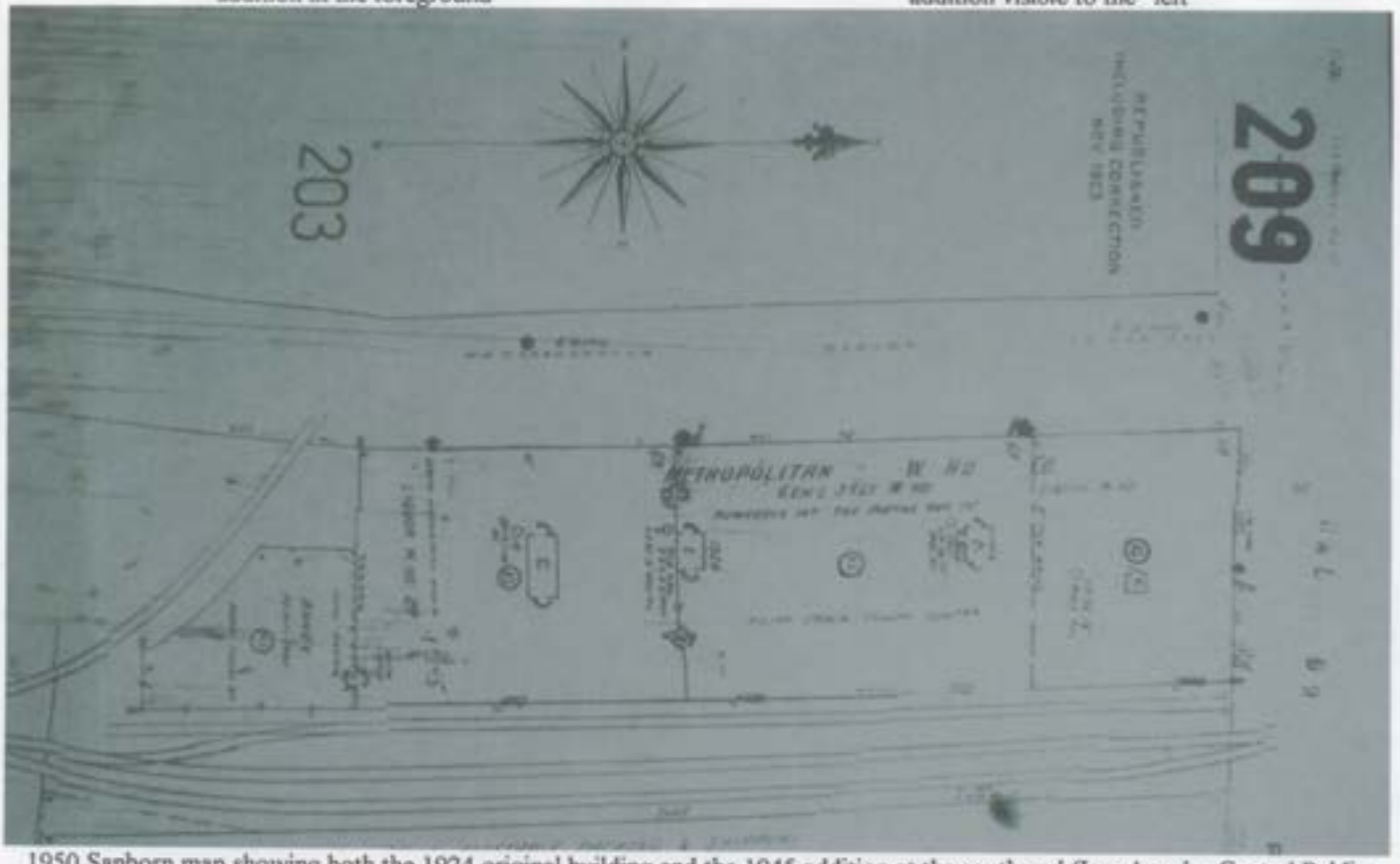
*Resource Name or #: 1340 East 6th Street; Los Angeles, CA 90021
*Recorded by: Christeen Taniguchi
*Date: October 22, 2004 ☒ Continuation ☐ Update



View looking northwest at the south elevation, with the 1945 addition in the foreground



View looking northwest at the east elevation, with the 1945 addition visible to the "left"



1950 Sanborn map showing both the 1924 original building and the 1945 addition at the south end (Los Angeles Central Public Library)

19-188033



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earthTouch Inc

EarthTouch, Inc.
3135 North Fairfield Road
Layton, Utah 84041
Tel: 801.771.2800
Fax: 801.771.2838

Site Location
(Topographic Map)

1340 East 6th Street
Los Angeles City and County, CA

Project: Tt-CA-8283A / Van Wyck

Source: USGS 7.5-minute Quadrangle
Los Angeles, CA

State of California — The Resources Agency
DEPARTMENT OF PARKS AND RECREATION

PRIMARY RECORD

Primary # (Update) 19-188033
HRI #
Trinomial
NRHP Status Code

Other Listings
Review Code Reviewer Date

*Resource Name or #: 1340 E. 6th Street (No. 133 and No. 134)

P1. Other Identifier: Iron Mountain

*P2. Location: ☐ Not for Publication ☒ Unrestricted *a. County: Los Angeles

and (P2b and P2c or P2d. Attach a Location Map as necessary.)

*b. USGS 7.5' Quad: Los Angeles Date: 1966 (photo revised 1981 and 1994) T 1S; R 13W; unsectioned; S.B.B.M.

c. Address: 1340-1350 E. 6th Street, and 610-630 S. Mill Street City: Los Angeles Zip: 90021

d. UTM: Zone: 11 ; mE/ mN (G.P.S.)

e. Other Locational Data: (e.g., parcel #, directions to resource, elevation, etc., as appropriate) Elevation: ~245 feet above msl

APN: 5164-011-001 and 5164-011-002; located on the southeastern corner of 6th and Mill Streets

*P3a. Description: (Describe resource and its major elements. Include design, materials, condition, alterations, size, setting, and boundaries)

This property is comprised of two adjacent parcels, both of which contain separate buildings. The northern parcel, 5164-011-001, contains a six-story, five-bay wide industrial/warehouse building (1924, Building A). The southern parcel, 5164-011-002, contains a one-story industrial building (constructed in 1945, Building B). Building A is Beaux-Arts influenced in style, is configured in a slim rectangle, likely has a flat roof, has reinforced, board-formed concrete walls, and is surrounded by a simple parapet. The main elevation is configured in a two-part commercial block, is symmetrical and has a recessed central entrance. Remaining windows are multi-light. Stepped-out pedements supported on brackets puncturate the corners. Building B is utilitarian style, is configured in an irregular tringle, may have a bowstring truss roof and reinforced, board-formed concrete walls, and is surrounded by a plain parapet. The complex of two buildings is on a flat corner lot, occupies both parcels entirely and contains no landscape features.

*P3b. Resource Attributes: (List attributes and codes) HP7 (3+ story commercial building); HP8 (Industrial building)

*P4. Resources Present: ☒ Building ☐ Structure ☐ Object ☐ Site ☐ District ☐ Element of District ☐ Other (Isolates, etc.)

P5a. Photo or Drawing (Photo required for buildings, structures, and objects.)



P5b. Description of Photo: (View, date, accession #)
Overview of south and east elevations; view northwest. (No133f.jpg)

*P6. Date Constructed/Age and Sources:
☒ Historic ☐ Prehistoric
☐ Both
Building A: 1924
Building B: 1945, Los Angeles County Tax Assessor

*P7. Owner and Address:
Feldstein Family Trust & Joyce Feldstein
P.O. Box 161419
Sacramento, CA 95816

*P8. Recorded by: (Name, affiliation, and address)
Francesca G. Smith and
Caprice D. (Kip) Harper
Parsons
100 W. Walnut Street, B-Pod 2nd Fl.
Pasadena, CA 91124

*P9. Date Recorded: 05/15/07

*P10. Survey Type: (Describe)
Intensive Survey

*P11. Report Citation: (Cite survey report and other sources, or enter "none.")
Historical Resources Evaluation Report: 6th Street Viaduct Seismic Improvement Project, prepared by Francesca G. Smith, Parsons, 2007.

*Attachments: ☐ NONE ☐ Location Map ☐ Sketch Map ☐ Continuation Sheet ☒ Building, Structure, and Object Record
☐ Archaeological Record ☐ District Record ☐ Linear Feature Record ☐ Milling Station Record ☐ Rock Art Record
☐ Artifact Record ☐ Photograph Record ☐ Other (List):

State of California — The Resources Agency
DEPARTMENT OF PARKS AND RECREATION

Primary #
HRI#

(Update) 19-188033

BUILDING, STRUCTURE, AND OBJECT RECORD

*NRHP Status Code 6Z

*Resource Name or # (Assigned by recorder) 1340 E 6th Street (No. 133 and No. 134)

B1. Historic Name: Metropolitan Warehouse Co. and Annex
B2. Common Name: Iron Mountain
B3. Original Use: Industrial warehouse
B4. Present Use: Industrial warehouse
*B5. Architectural Style: Vernacular (utilitarian)
*B6. Construction History: (Construction date, alterations, and date of alterations)
Building A built in 1926. In 1964, parapet was corrected (City of L.A, Building Permit # 1964LA84472, 1964). Other alterations to Building A include overpainting of concrete, boarded and infilled windows, application of window opaque screens, reconfiguration of entrances, and addition of roll-up garage doors (dates unknown).
Building B completed in 1945, aand additions include overpainting concrete and windows, and addition of roll-up doors (dates unknown).
*B7. Moved? ☒ No ☐Yes ☐Unknown Date: Original Location:
*B8. Related Features: None

B9a. Architect:
b. Builder: C.A. Fellows Co.
*B10. Significance: Theme: N/A
Area: N/A
Period of Significance: N/A
Property Type: N/A
Applicable Criteria: N/A
(Discuss importance in terms of historical or architectural context as defined by theme, period, and geographic scope. Also address integrity.)
Building A was constructed in 1924 for use as warehouses and offices (*Los Angeles Times*), Constructed for Metropolitan Warehouse Company, at the time of its completion, the nearly 7-acre, reinforced concrete building was considered a minor engineering feat because of its great physical strength. Contractor C.A. Fellows Co. may also have been responsible for erecting a Santa Fé Station in Wilmington two yars later (*Southwest Builder & Contractor*).

Although modestly recognizable to its original appearance, the assemblage of two buildings lacks integrity of original design, materials and workmanship. As a large, multi-story warehouse and annex, the property is an ordinary example of a common type, the altered industrial building complex. Previously evaluated for historic significance, this building and addition were found not eligible for listing in the National Registers (Galvin & Assovciates, 2004). No new evidence was found that would dispute the previous determination of eligibility and the complex does not constitute a historic district. Because of alterations and the lack of significance under criteria 1-4, the property is not eligible for listing in the California Register.

B11. Additional Resource Attributes: (List attributes and codes) N/A

*B12. References:
City of Los Angeles, various building permits
Galvin & Associates, Historic Architectural Survey, 26 November, 2004.
"Huge Weight is Held By Floor" *Los Angeles Times*, 23 November, 1924.
Sanborn Fire Insurance Maps, 1906-1951

B13. Remarks: Building permits available for this property indicate that the site was occupied by earlier buildings for the following addresses: 610 S. Mill Street, (BP# 1915LA09455), 610-620 S. Mill Street (BP# 1916LA01361). 618-630 S. Mill Street (BP# 1924LA14596) These buildings are no longer extant, demolished prior to the construction of the existing buildings.

*B14. Evaluator: Francesca G. Smith

*Date of Evaluation: 05/24/07

(This space reserved for official comments.)

(Sketch Map with north arrow required.)



State of California — The Resources Agency
DEPARTMENT OF PARKS AND RECREATION

PRIMARY RECORD

Primary #
HRI #
Trinomial 19-188537
NRHP Status Code

Other Listings
Review Code Reviewer Date

*Resource Name or #: 600-602 S. Santa Fe Avenue (No. 110)

P1. Other Identifier: Michelin (Lumary's Tire Service, Inc.)

*P2. Location: ☐ Not for Publication ☒ Unrestricted *a. County: Los Angeles

and (P2b and P2c or P2d. Attach a Location Map as necessary.)

*b. USGS 7.5' Quad: Los Angeles Date: 1966 (photo revised 1981 and 1994) T 1S; R 13W; unsectioned; S.B.B.M.

c. Address: 600-602 S. Santa Fe Avenue, and 1474-1486 E. 6th Street City: Los Angeles Zip: 90021

d. UTM: Zone: 11 ; mE/ mN (G.P.S.)

e. Other Locational Data: (e.g., parcel #, directions to resource, elevation, etc., as appropriate) Elevation: ~245 feet above msl

APN: 5164-015-001; located on the southwest corner of Mesquit and 6th Streets

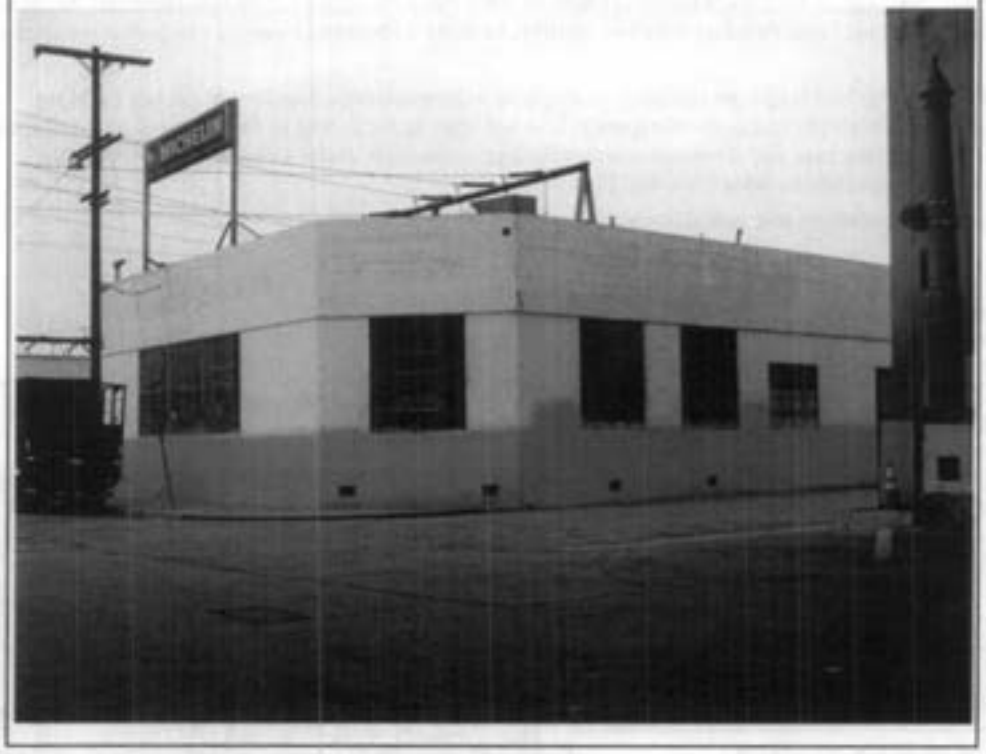
*P3a. Description: (Describe resource and its major elements. Include design, materials, condition, alterations, size, setting, and boundaries)

This single-story, utilitarian garage building is rectangular in plan with a clipped corner, likely has a flat or bow-string truss roof, and is finished in painted, board-formed concrete. The asymmetrical composition is circumscribed by a subtly stepped out sign band and continuous parapet above multi-light windows. The most prominent exterior elevation of the building from the street is the 45-degree, clipped northeast corner, which features a large, 6- by 4- light window. The main vehicle entrance is reached by Mesquit Street and leads to a central paved parking lot along the south elevation. A vehicle entrance with a roll-up door is located on the interior north elevation. A small outbuilding is located on the southeastern corner of the parcel. The most prominent design element is the"Michelin" box-type pole sign. The property is located on a flat corner lot, and contains no landscape features.

*P3b. Resource Attributes: (List attributes and codes) HP6 (1-3 story commercial building)

*P4. Resources Present: ☒ Building ☐ Structure ☐ Object ☐ Site ☐ District ☐ Element of District ☐ Other (Isolates, etc.)

P5a. Photo or Drawing (Photo required for buildings, structures, and objects.)



P5b. Description of Photo: (View, date, accession #)
Overview of east and north elevations; view southwest. (No110c.jpg)

*P6. Date Constructed/Age and Sources:
☒ Historic ☐ Prehistoric
☐ Both
c. 1930s Sanborn Fire Insurance Co. Maps/Tax Assessor

*P7. Owner and Address:
Lumary's Tire Service, Inc
P.O. Box 21943
Los Angeles, CA 90021

*P8. Recorded by: (Name, affiliation, and address)
Francesca G. Smith and
Caprice D. (Kip) Harper
Parsons
100 W. Walnut Street, B-Pod 2nd Fl.
Pasadena, CA 91124

*P9. Date Recorded: 05/15/07

*P10. Survey Type: (Describe)
Intensive Survey

*P11. Report Citation: (Cite survey report and other sources, or enter "none.")
Historical Resources Evaluation Report: 6th Street Viaduct Seismic Improvement Project, prepared by Francesca G. Smith, Parsons, 2007.

*Attachments: ☐ NONE ☐ Location Map ☐ Sketch Map ☐ Continuation Sheet ☒ Building, Structure, and Object Record
☐ Archaeological Record ☐ District Record ☐ Linear Feature Record ☐ Milling Station Record ☐ Rock Art Record
☐ Artifact Record ☐ Photograph Record ☐ Other (List):

State of California — The Resources Agency
DEPARTMENT OF PARKS AND RECREATION

Primary # 19-188537
HRI#

BUILDING, STRUCTURE, AND OBJECT RECORD

*NRHP Status Code 6Z

*Resource Name or # (Assigned by recorder) 600-602 S. Santa Fe Avenue (No. 110)

B1. Historic Name: Clark Co./Transcold

B2. Common Name: Michelin (Lumary's Tire Service, Inc.)

B3. Original Use: hydraulic transportation/auto repair shop

B4. Present Use: tire warehouse

*B5. Architectural Style: Utilitarian

*B6. Construction History: (Construction date, alterations, and date of alterations)

Built in 1946 according to County Tax Assessor's data. A permit to erect a new building dated July 21, 1948 indicates that an office and a shed were already located on the parcel (City of Los Angeles Building Permit # 1948LA19289, hereinafter BP#1948LA19289). The cost of the sheet metal-clad building was $2,800. Aerial photographs indicate that an L-shaped addition/roof covering was constructed to the south and west elevations. Roof covering added ca. 1970s (Lumary). Other alterations include roll-up doors and replaced glazing (dates unknown). Original underground hydraulic tanks were removed prior to 1970 (Lumary).

*B7. Moved? ☒ No ☐Yes ☐Unknown Date: N/A Original Location: N/A

*B8. Related Features: Wash Rack/Shed building located on the southeastern corner of the parcel (built date unknown).

B9a. Architect: none b. Builder: unknown

*B10. Significance: Theme: N/A Area: N/A

Period of Significance: N/A Property Type: N/A Applicable Criteria: N/A

(Discuss importance in terms of historical or architectural context as defined by theme, period, and geographic scope. Also address integrity.)

The subject building replaced a single family dwelling and industrial building, Pioneer Green Chile Packing Co. (Sanborn Fire Insurance Compnay Map, 1906-1951) and was constructed sometime after 1931. Sanborn Fire Insurance Company map page (dated 1931) of the area indicates that the main building was constructed as a private garage and auto repair shop, and the outbuilding was constructed as a wash rack (Sanborn Fire Insurance Map, 1906-1955). Previous tenants include Clark Co., a hydraulic company, and later Transcold, a refrigeration company.

The current tenant and owner, Lumary's Tire Service was established in 1962 and specializes in tire retread service and nationwide road assistance. Lumary's has occupied the building since 1970 and Paul Lumary added the existing, internally illuminated 6 by 14 foot, "Michelin" box sign in 1970 (BP#1970LA11988). In 1988, the pole sign's height was reduced. No other consequential information was located about Lumary's Tire Service. In 1974, Lumary's obtained a permit s to perform various interior modiciations.

Recognizable to its original appearance, the building is an ordinary example of a common type, the altered garage building. Because the building is merely an simple example of a post-war garage, it is not eligible for listing in the National or California registers under Criterion C or 3 for its architecture and does not warrant further evaluation under Criteria A/1 or B/2. No evidence was discovered to warrant consideration under Criterion D/4.

B11. Additional Resource Attributes: (List attributes and codes) N/A

*B12. References:

City of L.A., various building permits,
Lumary, Mike, personal communication with K. Harper, 08/06/07
Lumary's Tire Service <http://www.lumary.com>
Sanborn Fire Insurance Company map 1906-1951, Volume 4, sheet 207 and 1906-1955, Volume 2, sheet 207.

B13. Remarks: Building permits indicate that the property was occupied by earlier buildings with following addresses: 1474 E. 6th Street, (BP# 1907LA01609), 1482 E. 6th Street/602 Santa Fe Avenue (BP# 1910LA08653, BP# 1918LA02496). These buildings are no longer extant, demolished at an unknown date.

*B14. Evaluator: Francesca G. Smith

*Date of Evaluation: 05/24/07

(Sketch Map with north arrow required.)



(This space reserved for official comments.)

State of California — The Resources Agency
DEPARTMENT OF PARKS AND RECREATION

PRIMARY RECORD

Primary # 19-188538
HRI #
Trinomial
NRHP Status Code

Other Listings
Review Code | Reviewer | Date

*Resource Name or #: 1450 E. 6th Street (No. 115)

P1. Other Identifier:

*P2. Location: ☐ Not for Publication ☒ Unrestricted *a. County: Los Angeles

and (P2b and P2c or P2d. Attach a Location Map as necessary.)

*b. USGS 7.5' Quad: Los Angeles Date: 1966 (photo revised 1981 and 1994) T 1S; R 13W; unsectioned; S.B.B.M.

c. Address: 1450 E. 6th Street City: Los Angeles Zip: 90021

d. UTM: Zone: 11 ; mE/ mN (G.P.S.)

e. Other Locational Data: (e.g., parcel #, directions to resource, elevation, etc., as appropriate) Elevation: ~245 feet above msl

APN: 5164-014-004; located on 6th Street, between Imperial Street and S. Santa Fe Avenue

*P3a. Description: (Describe resource and its major elements. Include design, materials, condition, alterations, size, setting, and boundaries)

Built in 1952, the property contains a single-story, one-bay wide industrial building. The utilitarian building is rectangular in plan, clad in painted, corrugated metal siding and has a front-facing gabled roof. The main elevation has a simple slab-type pedestrian door, with a large central bay and security door. The front elevation is asymmetrical. No windows are visible on the front or side elevations. The property is located a flat lot, mid-block, occupies the entire parcel, and contains no landscape features.

*P3b. Resource Attributes: (List attributes and codes) HP8 (Industrial building)

*P4. Resources Present: ☒ Building ☐ Structure ☐ Object ☐ Site ☐ District ☐ Element of District ☐ Other (Isolates, etc.)

P5a. Photo or Drawing (Photo required for buildings, structures, and objects.)



P5b. Description of Photo: (View, date, accession #)
Overview of north elevation; view southeast. (No115a.jpg)

*P6. Date Constructed/Age and Sources:
☒ Historic ☐ Prehistoric
☐ Both
1952, City of Los Angeles, Building Permit # 1952LA28570

*P7. Owner and Address:
George Family Trust
9335 Parrot Avenue
Downey, CA 90240

*P8. Recorded by: (Name, affiliation, and address)
Francesca G. Smith and
Caprice D. (Kip) Harper
Parsons
100 W. Walnut Street, B-Pod 2nd Fl.
Pasadena, CA 91124

*P9. Date Recorded: 05/15/07

*P10. Survey Type: (Describe)
Intensive Survey

*P11. Report Citation: (Cite survey report and other sources, or enter "none.")
Historical Resources Evaluation Report: 6th Street Viaduct Seismic Improvement Project, prepared by Parsons, 2007

*Attachments: ☐ NONE ☐ Location Map ☐ Sketch Map ☐ Continuation Sheet ☒ Building, Structure, and Object Record
☐ Archaeological Record ☐ District Record ☐ Linear Feature Record ☐ Milling Station Record ☐ Rock Art Record
☐ Artifact Record ☐ Photograph Record ☐ Other (List):

State of California — The Resources Agency
DEPARTMENT OF PARKS AND RECREATION

Primary # 19-188538
HRI#

BUILDING, STRUCTURE, AND OBJECT RECORD

*NRHP Status Code 6Z

*Resource Name or # (Assigned by recorder) 1450 E. 6th Street (No. 115)

B1. Historic Name: None
B2. Common Name: 1450 E. 6th Street building
B3. Original Use: Industrial warehouse
B4. Present Use: Industrial warehouse
*B5. Architectural Style: Vernacular (utilitarian)
*B6. Construction History: (Construction date, alterations, and date of alterations)
Built in 1952 (City of L.A., Building Permit # 1952LA28570, 1952, hereinafter BP# 1952LA28570). Alterations include overpainting original metal siding and addition of security gates (dates unknown).

*B7. Moved? ☒ No ☐ Yes ☐ Unknown Date: N/A Original Location: N/A
*B8. Related Features: None

B9a. Architect: F.E. MacDonald (engineer)
b. Builder: E.C. Livingston Co.
*B10. Significance: Theme: N/A
Area: N/A
Period of Significance: N/A Property Type: N/A Applicable Criteria: N/A
(Discuss importance in terms of historical or architectural context as defined by theme, period, and geographic scope. Also address integrity.)

The subject property was completed in 1952 for Gasket Manufacturing Co. as a warehouse for gaskets and parts ata cost of $10,000. F.E. Mac Donald, Jr. was the licensed engineer (City of L.A., Building Permit # 1952LA28570, 1952, hereinafter BP# 1952LA28570) responsible for the metal building's simple design. Gasket Manufacturing Co. was established in 1937 and is based in Gardena, California. The builder, E.C. Livingston Co., Inc., a gereral contracting company, was based in Paso Robles and may no longer be in existence. No other consequential information was located for either Gasket Manufacturing Co. or E. C. Livingston Co.

Metal and more specifically, rigid-famed steel buildings gained popularity after the end of World War II. Until that time, such structures were used for agricultural applications, including tanks and bins. Because the accelerated need for military buildings, and increased access to steel, metal buildings were more widely used for human habitation during and just after the war.

Although it is recognizable to its original appearance, the building is in deteriorated condition and lacks integrity of the original simple design and materials, as well as workmanship. The building is a an average example of a ordinary type, the altered meatl industrial building. Because of described alterations, this property is not eligible for listing in the National or California registers under Criterion C or 3 for its architecture and does not warrant further evaluation under Criteria A/1 or B/2. No evidence was discovered to warrant consideration under Criterion D/4.

B11. Additional Resource Attributes: (List attributes and codes) N/A

*B12. References:
City of Los Angeles, various building permits
E. C. Livingston Co. v. Blythe etc. Assn. (1956) 139 CA2d 161
Gasket Manufacturing Co.<http://www.gasketmfg.com>
Sanborn Fire Insurance Company Maps, 1906-1951

B13. Remarks: Two additional building permits were available for this address (BP# 1971LA42188 and 1972LA43083) . However, a sketch map indicates that an additional warehouse building was proposed for the adjacent parcel to the west. This parcel is 1448 E. 6th Street and is exempt from evaluation according to the Section 106 PA Attachment 4 (Properties Exempt from Evaluation).

*B14. Evaluator: Francesca G. Smith

*Date of Evaluation: 05/24/07

(Sketch Map with north arrow required.)



(This space reserved for official comments.)

State of California — The Resources Agency
DEPARTMENT OF PARKS AND RECREATION

PRIMARY RECORD

Primary # 19-188539
HRI #
Trinomial
NRHP Status Code

Other Listings
Review Code Reviewer Date

*Resource Name or #: 605 S. Santa Fe Avenue (No. 119)

P1. Other Identifier:

*P2. Location: ☐ Not for Publication ☒ Unrestricted *a. County: Los Angeles

and (P2b and P2c or P2d. Attach a Location Map as necessary.)

*b. USGS 7.5' Quad: Los Angeles Date: 1966 (photo revised 1981 and 1994) T 1S; R 13W; unsectioned; S.B.B.M.

c. Address: 605 S. Santa Fe Avenue City: Los Angeles Zip: 90021

d. UTM: Zone: 11 ; mE/ mN (G.P.S.)

e. Other Locational Data: (e.g., parcel #, directions to resource, elevation, etc., as appropriate) Elevation: ~245 feet above msl

APN: 5164-014-011; located on S. Santa Fe Avenue, just south of 6th Street

*P3a. Description: (Describe resource and its major elements. Include design, materials, condition, alterations, size, setting, and boundaries)

Built in 1953, this single-story, one-bay wide industrial building is rectangular in plan, vernacular in style, has a flat roof, and is is finished in brick with a continuous parapet. The main elevation is set back from the street wall, configured in a one-part, commercial block, and has a central garage door with a pedestrian entrance at one side. The main entrance is a simple slab-type pedestrian door and is flanked by a multi-light window on one side. Alterations include the addition of a large roll-up door and metal security bars over windows and doors, and overpainting of brick (dates unknown). The property is located a flat lot, mid-block, occupies the rear of the parcel, and contains no landscape features. A small, paved parking lot circumscribed by a security fence is located in front of the main elevation. This building is an addition to the Mrs. Lee's Pies building at 609 S. Santa Fe Avenue (No. 121).

*P3b. Resource Attributes: (List attributes and codes) HP8 (Industrial building)

*P4. Resources Present: ☒ Building ☐ Structure ☐ Object ☐ Site ☐ District ☐ Element of District ☐ Other (Isolates, etc.)

P5a. Photo or Drawing (Photo required for buildings, structures, and objects.)



P5b. Description of Photo: (View, date, accession #)
Overview of east elevation; view northwest. (No119a.jpg)

*P6. Date Constructed/Age and Sources:
☒ Historic ☐ Prehistoric
☐ Both
1953, City of Los Angeles, Building Permit # 1953LA64006

*P7. Owner and Address:
Gary Goodman & Judy L. Vann
P.O. Box 6462
San Rafael, CA 94903

*P8. Recorded by: (Name, affiliation, and address)
Francesca G. Smith and
Caprice D. (Kip) Harper
Parsons
100 W. Walnut Street, B-Pod 2nd Fl.
Pasadena, CA 91124

*P9. Date Recorded: 05/15/07

*P10. Survey Type: (Describe)
Intensive Survey

*P11. Report Citation: (Cite survey report and other sources, or enter "none.")
Historical Resources Evaluation Report: 6th Street Viaduct Seismic Improvement Project, prepared by Francesca G. Smith, Parsons.

*Attachments: ☐ NONE ☐ Location Map ☐ Sketch Map ☐ Continuation Sheet ☒ Building, Structure, and Object Record
☐ Archaeological Record ☐ District Record ☐ Linear Feature Record ☐ Milling Station Record ☐ Rock Art Record
☐ Artifact Record ☐ Photograph Record ☐ Other (List):

S:\Road&Highway\Projects\646745.Sixth ST EIS-EIR\Cultural\Built Environment\DPRs\DPRs Oct 4 2007\No 119_605 S Santa Fe Avenue-Primary.doc

State of California — The Resources Agency
DEPARTMENT OF PARKS AND RECREATION

Primary # 19-188539
HRI#

BUILDING, STRUCTURE, AND OBJECT RECORD

*NRHP Status Code 6Z

*Resource Name or # (Assigned by recorder) 605 S. Santa Fe Avenue (No. 119)

B1. Historic Name: Mrs. Lee's Pies
B2. Common Name: 605 S. Santa Fe Avenue building
B3. Original Use: Industrial warehouse (bakery and warehouse) B4. Present Use: Industrial warehouse
*B5. Architectural Style: Vernacular (utilitarian)
*B6. Construction History: (Construction date, alterations, and date of alterations)
Building is an addition to Mrs. Lee's Pies building located immediately south of this parcel at 609 S. Santa Fe Avenue (City of L.A., Building Permit # 1953LA64006, 1953, hereinafter BP# 1953LA64006). Parapet removed or corrected in 1962 (BP# 1962LA11774). Demolition permit for 20' by 80' portion of the building was issued in 1986 (BP# 1986LA43726), although demolition of that portion of the building is unknown. Alterations: installation of a large roll-up door and metal security bars over windows and doors (dates unknown).

*B7. Moved? ☒ No ☐Yes ☐Unknown Date: N/A Original Location: N/A
*B8. Related Features: None
B9a. Architect: None b. Builder: Morgan Lumber & Co.
*B10. Significance: Theme: N/A Area: N/A
Period of Significance: N/A Property Type: N/A Applicable Criteria: N/A
(Discuss importance in terms of historical or architectural context as defined by theme, period, and geographic scope. Also address integrity.)
This building was constructed in 1953 on a vacant lot as an addition to the Mrs. Lee's Pies building (a bakery built in 1924), located immediately south of this parcel, at 609 S. Santa Fe Avenue (BP# 1953LA64006). In 1962, likely in order to comply with the City's Parapet Correction Ordinance, the parapet was reduced, removed or otherwise corrected (BP# 1962LA11774). Although a demolition permit was obtained for a 1,600 square foot demolition in 1986, there is no evidence of its having occurred. Visible alterations include the addition of a large roll-up door and installation of metal security bars over windows and doors (dates unknown).

The original tenant and owner, Mrs. Lee's Pies, was probably in business as early as the 1920s. They manufactured frozen pies and were acquired by The Carnation Company in 1955. Because the convenience dessert business became both highly profitable and competitive, the company was part of a Supreme Court case in the late 1960s regarding protection by federal antitrust laws from effective price competition. No other consequential information regarding Mrs. Lee's Pies was located. No information on a local Morgan Lumber & Co. business was found.

Although modestly recognizable to its original appearance, because of alterations the building lacks integrity of its original design and materials, as well as workmanship. The building is a very ordinary example of a common type, the altered industrial building. Because of described alterations, this property is not eligible for listing in the National or California registers under Criterion C or 3 for its architecture and does not warrant further evaluation under Criteria A/1 or B/2. No evidence was discovered to warrant consideration under Criterion D/4.

B11. Additional Resource Attributes: (List attributes and codes) N/A
*B12. References:
City of Los Angeles, various building permits
Sanborn Fire Insurance Maps, 1906-1951
Utah Pie Co. v. Continental Baking Co. (386 U. S. 685, 1967)
<http://home.comcast.net/~SCADS/upievcon.htm>

B13. Remarks: Historically, this building is associated with 609 S. Santa Fe Avenue (adjacent parcel to the south).

*B14. Evaluator: Francesca G. Smith

*Date of Evaluation: 05/24/07

(This space reserved for official comments.)

(Sketch Map with north arrow required.)



*Required information

State of California — The Resources Agency
DEPARTMENT OF PARKS AND RECREATION

PRIMARY RECORD

Primary # 19-188540
HRI #
Trinomial
NRHP Status Code

Other Listings
Review Code | Reviewer | Date

*Resource Name or #: 613 Imperial Street (No. 128)

P1. Other Identifier:

*P2. Location: ☐ Not for Publication ☒ Unrestricted *a. County: Los Angeles

and (P2b and P2c or P2d. Attach a Location Map as necessary.)

*b. USGS 7.5' Quad: Los Angeles Date: 1966 (photo revised 1981 and 1994) T 1S; R 13W; unsectioned; S.B.B.M.

c. Address: 613 Imperial Street City: Los Angeles Zip: 90021

d. UTM: Zone: 11 ; mE/ mN (G.P.S.)

e. Other Locational Data: (e.g., parcel #, directions to resource, elevation, etc., as appropriate) Elevation: ~245 feet above msl

APN: 5164-013-010; located on Imperial Street, 4 parcels south of 6th Street

*P3a. Description: (Describe resource and its major elements. Include design, materials, condition, alterations, size, setting, and boundaries)

Built in 1946, this single-story industrial building is a apir of irregular rectangles in plan. The Streamline Moderne-influenced building has a flat roof, is finished in painted brick and surrounded by a continuous parapet. The building is comprised of two parts, the front office building and the rear warehouse. The main elevation is asymmetrical, notably has a radiused, curved corner and a combination of glass block, transom, and fixed-light windows. The main entrance is a simple slab-type pedestrian door enclosed by a metal security door. A stepped-out brick course above the windows forms a fillet and emphasizes the curved form of the building. The warehouse portion of the building is located behind the front office and is approximately two-stories (or one high cube story) in height. The property is located a flat lot, mid-block, and contains no landscape features. There is a small, paved driveway or parking lot, circumscribed by a high iron fence on the north side.

*P3b. Resource Attributes: (List attributes and codes) HP8 (Industrial building)

*P4. Resources Present: ☒ Building ☐ Structure ☐ Object ☐ Site ☐ District ☐ Element of District ☐ Other (Isolates, etc.)

P5a. Photo or Drawing (Photo required for buildings, structures, and objects.)



P5b. Description of Photo: (View, date, accession #)
Overview of east elevation; view west. (No128a.jpg)

*P6. Date Constructed/Age and Sources:
☒ Historic ☐ Prehistoric ☐ Both
1946, City of Los Angeles, Building Permit #1946LA30993

*P7. Owner and Address:
Sieroty Properties, LLC.
6022 Wilshire Blvd., Suite 201
Los Angeles, CA 90036

*P8. Recorded by: (Name, affiliation, and address)
Francesca G. Smith and
Caprice D. (Kip) Harper
Parsons
100 W. Walnut Street, B-Pod 2nd Fl.
Pasadena, CA 91124

*P9. Date Recorded: 05/15/07

*P10. Survey Type: (Describe)
Intensive Survey

*P11. Report Citation: (Cite survey report and other sources, or enter "none.")
Historical Resources Evaluation Report: 6th Street Viaduct Seismic Improvement Project, prepared by Francesca G. Smith, Parsons, 2007.

*Attachments: ☐ NONE ☐ Location Map ☐ Sketch Map ☐ Continuation Sheet ☒ Building, Structure, and Object Record ☐ Archaeological Record ☐ District Record ☐ Linear Feature Record ☐ Milling Station Record ☐ Rock Art Record ☐ Artifact Record ☐ Photograph Record ☐ Other (List):

State of California — The Resources Agency
DEPARTMENT OF PARKS AND RECREATION

Primary #
HRI# 19-188540

BUILDING, STRUCTURE, AND OBJECT RECORD

*NRHP Status Code 6Z

*Resource Name or # (Assigned by recorder) 613 Imperial Street (No. 128)

B1. Historic Name: None
B2. Common Name: 613 Imperial Street building
B3. Original Use: Industrial warehouse (canned dog food) B4. Present Use: Industrial warehouse
*B5. Architectural Style: Streamline Moderne-influenced
*B6. Construction History: (Construction date, alterations, and date of alterations)
Built in 1946 (City of L.A., Building Permit #1946LA30993, 1946). Alterations include the addition of security bars (date unknown).

*B7. Moved? ☒ No ☐Yes ☐Unknown Date: N/A Original Location: N/A
*B8. Related Features: None

B9a. Architect: None b. Builder: J. H. Hillock & Sons
*B10. Significance: Theme: N/A Area: N/A
Period of Significance: N/A Property Type: N/A Applicable Criteria: N/A
(Discuss importance in terms of historical or architectural context as defined by theme, period, and geographic scope. Also address integrity.)

This building was constructed in 1946 at a cost of $20,000 for Myron Mendelson. A Myron H. Mendelson was was born in 1916 in Illinois and died in 1986 in Los Angeles, CA (California Social Security Death Index, US Federal Census, 1930). The builder, J. H. Hillock & Sons may have been John Howard Hillock, a Canadian who was born in 1924 and died San Bernardino in 1992 (California Social Security Death Index) No consequential information regarding the lives on Messrs. Mendelson or Hillock was found. Sanborn Fire Insurance Company maps indicate that the building was originally used to manufacture canned dog food (Sanborn Fire Insurance Maps, 1906-1951). As of 1956, the building was occupied by Fresh Maid Pies (*Street Address Directory*). The property is currently owned by Sieroty Properties, LLC, an entity which acquired it from Alan G. Sieroty and Beth May Metzler, who received it from his father, Julian M. Sieroty (1903-1989, CA SS DI). The Sieroty family has been active in Los Angeles real estate for most of the 20th century, but are best known for ownership of the Claud Beelman-designed Eastern-Columbia Building. Alan Sieroty (b. 1930) served in the California Assembly from 1966-1977 and was a state Senator from 1977-82 (Caldifornia Archives). As one of three commercial properties currently owned by Sieroty Properties in Los Angeles, it appears to be an investment with no direct connection to the lives of the owners.

Although modestly recognizable to its original appearance, because of alterations, the building lacks integrity of its original simple design and materials, as well as workmanship. The building is a plain example of a Streamlone Moderne-influenced, altered industrial building. Because of described alterations, this property is not eligible for listing in the National or California registers under Criterion C or 3 for its architecture and does not warrant further evaluation under Criteria A/1 or B/2. No evidence was discovered to warrant consideration under Criterion D/4.

B11. Additional Resource Attributes: (List attributes and codes) N/A

*B12. References:
California State Archives, Sieroty (Alan G.) Papers,
California Social Security Death Index (CA SS DI),
City of Los Angeles, various building permits,
Pacific Telephone & Telegraph Co. *Los Angeles Street Address Directory* 1956,
Sanborn Fire Insurance Company Maps, 1906 updated to1951
U.S. Federal Census, 1930

B13. Remarks: None

*B14. Evaluator: Francesca G. Smith

*Date of Evaluation: 05/24/07

(This space reserved for official comments.)

(Sketch Map with north arrow required.)



State of California — The Resources Agency
DEPARTMENT OF PARKS AND RECREATION

PRIMARY RECORD

Primary #
HRI #
Trinomial 19-188541
NRHP Status Code

Other Listings
Review Code Reviewer Date

*Resource Name or #: 601 Mateo Street/ 1380 E. 6th Street (No. 129)

P1. Other Identifier: Southwestern Bag Co.

*P2. Location: ☐ Not for Publication ☒ Unrestricted *a. County: Los Angeles

and (P2b and P2c or P2d. Attach a Location Map as necessary.)

*b. USGS 7.5' Quad: Los Angeles Date: 1966 (photo revised 1981 and 1994) T 1S; R 13W; unsectioned; S.B.B.M.

c. Address: 601 Mateo Street, and 1380, 1388 E. 6th Street City: Los Angeles Zip: 90021

d. UTM: Zone: 11 ; mE/ mN (G.P.S.)

e. Other Locational Data: (e.g., parcel #, directions to resource, elevation, etc., as appropriate) Elevation: ~245 feet above msl

APN: 5164-011-005; located on the southwestern corner of Mateo and 6th Streets

*P3a. Description: (Describe resource and its major elements. Include design, materials, condition, alterations, size, setting, and boundaries)

Built in 1948, this single-story, four-bay wide industrial building is vernacular (utilitarian) in style, rectangular in plan, has a front-gabled roof and is finished in corrugated metal sheeting. The rear, or main elevation is a loading dock with four elevated bays and roll-up doors. The main pedestrian entrance is a simple slab-type pedestrian door. Remaining windows are metal framed, and a pair of grills at the apex of the roofline. All elevations have "Southwestern Bag Co." painted in block letters. The property is located a flat lot, near a corner and contains no landscape features. A paved parking lot is located on the north side of the parcel. This building was historically associated with 611, 615 Mateo Street and 635 Mateo Street. (See attached BSO).

*P3b. Resource Attributes: (List attributes and codes) HP8 (Industrial building)

*P4. Resources Present: ☒ Building ☐ Structure ☐ Object ☐ Site ☐ District ☐ Element of District ☐ Other (Isolates, etc.)

P5a. Photo or Drawing (Photo required for buildings, structures, and objects.)



P5b. Description of Photo: (View, date, accession #)
Overview of south and east elevations; view northwest. (No129a2.jpg)

*P6. Date Constructed/Age and Sources:
☒ Historic ☐ Prehistoric
☐ Both
1948, City of Los Angeles Building Permit # 1948LA33435

*P7. Owner and Address:
Baran Co., Inc.
1380 E. 6th Street
Los Angeles, CA 90021

*P8. Recorded by: (Name, affiliation, and address)
Francesca G. Smith and
Caprice D. (Kip) Harper
Parsons
100 W. Walnut Street, B-Pod 2nd Fl.
Pasadena, CA 91124

*P9. Date Recorded: 05/15/07

*P10. Survey Type: (Describe)
Intensive Survey

*P11. Report Citation: (Cite survey report and other sources, or enter "none.")
Historical Resources Evaluation Report: 6th Street Viaduct Seismic Improvement Project, prepared by Francesca G. Smith, Parsons, 2007.

*Attachments: ☐ NONE ☐ Location Map ☐ Sketch Map ☐ Continuation Sheet ☒ Building, Structure, and Object Record
☐ Archaeological Record ☐ District Record ☐ Linear Feature Record ☐ Milling Station Record ☐ Rock Art Record
☐ Artifact Record ☐ Photograph Record ☐ Other (List):

State of California — The Resources Agency
DEPARTMENT OF PARKS AND RECREATION

Primary #
HRI# 19-188541

BUILDING, STRUCTURE, AND OBJECT RECORD

*NRHP Status Code 6Z

*Resource Name or # (Assigned by recorder) 601 Mateo Street/ 1380 E. 6th Street (No. 129)

B1. Historic Name: Hills Bros. Coffee Co.

B2. Common Name: Southwestern Bag Co.

B3. Original Use: Industrial warehouse B4. Present Use: Industrial warehouse

*B5. Architectural Style: utilitarian

*B6. Construction History: (Construction date, alterations, and date of alterations)
Constructed in 1948 (City of L.A. Building Permit # 1948LA33435, 1948, hereinafter BP# 1948LA33435). A no longer extant billboard sign was erected in 1976 (BP#1976LA30856)

*B7. Moved? ☒ No ☐Yes ☐Unknown Date: Original Location:

*B8. Related Features: This parcel was previously associated with 611/615 Mateo Street and 635 Mateo Street, which were also associated with the Hills Brothers Coffee Co. (Sanborn Fire Insurance Maps, 1906-1951). All are now owned by Baran Co., Inc.

B9a. Architect: Rowland H. Crawford b. Builder: P.J. Walker Co.

*B10. Significance: Theme: N/A Area: N/A

Period of Significance: N/A Property Type: N/A Applicable Criteria: N/A

(Discuss importance in terms of historical or architectural context as defined by theme, period, and geographic scope. Also address integrity.)

The building was constructed in 1948 as a warehouse to store coffee for Hills Brothers Coffee Company, at a cost of $7,000. Founded 1882 in San Francisco, Hills Brothers was best known for their use of vacuum-sealed tins and jars, which made fresh coffee readily available for retail use. The current owner, Southwestern Bag Co. has been in business in other locations since 1924. Southwestern Bag Co. is listed on a 1990 building permit record as building owner, after the property had changed hands several times (BP# 1990LA52164 and BP# 1990LA59157).

The architect, Rowland H. Crawford (1902-1973), started his Beverly Hills-based archictectural firm in 1938. Until that time he was an associate of prominent local architect, Gordon B. Kauffman. Crawford was responsible for several buildings, including: Sears (Santa Monica, 1947), *Los Angeles Times* Building #2 (with Kauffman in Los Angeles), Brentwood Country Market (both 1948) Harris School of Architecture building at USC and additions to the Fine Arts Building (1949) and the El Rancho Shopping Center in Arcadia (1955). It is not known whether Crawford designed other metal buildings, but the material was increasingly popular for inexpensive industrial uses after the end of the second World War. Contractor P.J. Walker Co. built the University of Southern California Doheny Memorial Library, One Bunker Hill and Hill Street Pacific Electric (interurban) Station.

Although the building is a well-proportioned example of a metal building, it is nonetheless a simple example of a very common type. Although the building is the work of a notable local architect, it is not among his more distinguished works. Because metal the building is a common type and is an unremarkable example of Crawford's work, it is is not eligible for listing in the National or California registers under Criterion C or 3 for its architecture or as the work of a master and does not warrant further evaluation under Criteria A/1 or B/2. No evidence was discovered to warrant consideration under Criterion D/4.

B11. Additional Resource Attributes: (List attributes and codes) N/A

*B12. References:

City of Los Angeles, various building permits
Los Angeles County Assessor's Tax Records
Hills Bros, <www.hillsbros.com/coffee/history.html>
USC <http://www.publicartinla.com/USCArt/buildings.html>
Sanborn Fire Insurance Maps, 1906-1951
Southwestern Bag Co., <http://www.southwesternbag.com/>

B13. Remarks: Building permits for this parcel indicate previous buildings at following addresses: 1380 E. 6th Street, (BP# 1919LA10570) and 1388 E. 6th Street (BP# 1911LA65254). These buildings are no longer extant (demolished, dates unknown).

*B14. Evaluator: Francesca G. Smith

*Date of Evaluation: 05/24/07

(This space reserved for official comments.)

(Sketch Map with north arrow required.)



19-188861

State of California
DEPARTMENT OF PARKS AND RECREATION
PRIMARY RECORD

Primary #_____
HRI #_____
Trinomial_____
NRHP Status Code 6Z
Other Listings _____
Review Code_____ Reviewer_____ Date_____

***Page** 1 of 10 ***Resource Name or #:** Clearwire CA-LOS5989-A(CA5630)
***P1. Other Identifier:** None
***P2: Location:** Not for publication Unrestricted X a. County: Los Angeles
And (P2b and P2c or P2d. Attach a location map as necessary.)
Los Angeles
***b. USGS Quad** Hollywood ***Date:** 1975 T; R; ¼ of ¼ of Sec._____ B.M._____
c. Address: 810 Kohler Street City: Los Angeles Zip: 90021
d. UTM: (Give more than one large or linear resources) Zone: Me/ mN
e. Other Locational Data (e.g. parcel #, directions to resource, elevation, etc. as appropriate);
APN: # 5146-018-001, Lot 1, Tract 9918
***P3a. Description** (Describe resource and its major elements, include design, materials, condition, alterations, size, setting and boundaries.)
The resource is a 1-3-story, rectangular shaped, symmetrical, Neoclassical style commercial building located on a main commercial artery. The building has a concrete foundation, stucco and brick exterior, and a flat roof. The building has few decorative details and has vertical detailing which divides the two main facades into vertical divisions. The east and west façades contain several bays with foldup doors for deliveries. The north and west sides also contain various entrances which provide access to other tenants within the building. These doors are single doors recessed into the building. Metal fire escapes are present on three façades of the structure. The south wall is brick with no openings. Windows are large banks of evenly spaced windows which include metal framed, non-historic fixed pane and casement style windows. A large fenced parking lot is present at the rear of the building. The building is in fair condition.
***P3b. Resource Attributes:** (List attributes and codes) HP 6: 1-3 Story Commercial Property



P4. Resources Present: Building X Structure Object Site District Element of District
P5b. Description of Photo: (View, date Accessions #) View SW/ 04/15/2010
***P6. Date Constructed/Age and Source** Historic X Prehistoric Both c. 1903/Los Angeles County Assessor
***P7. Address:** Uncle Phil, LLC, 433 North Camden Drive, Ste. 1070, Beverly Hills, CA
***P8: Recorded by:** (Name, Affiliation, Address) K.A. Crawford/Michael Brandman Associates, 220 Commerce Street, Ste. #200, Irvine, CA
***P9. Date Recorded:** 04/15/2010 ***P10. Type of Survey:** (Describe) Intensive ***P11: Report Citation** (Cite Survey Report and other sources, ore enter "None".) None

***Attachments:** None Location Map Sketch Map **Continuation Sheet** X **Building, Structure and Object Record** X Archaeological Record District Record Liner Resource Record Milling Station Record Rock Art Record Artifact Record Photograph Record Other (List):

19-188861

State of California – The Resources Agency
DEPARTMENT OF PARKS AND RECREATION
RESIDENCE, STRUCTURE, AND OBJECT RECORD

Primary #
HRI#
***NRHP Status Code** 6Z

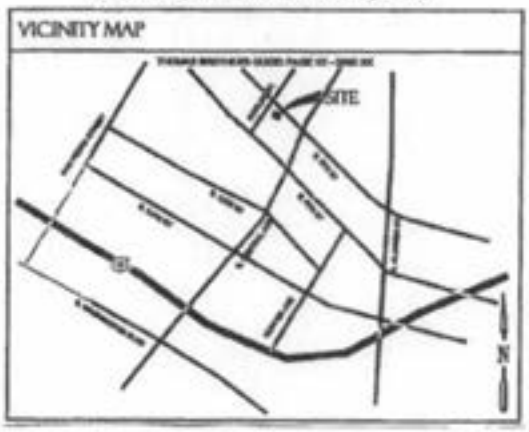
***Page** 2 of 10 ***Resource Name or # (Assigned by Recorder)** Clearwire CA-LOS5989-A (CA5630)

B1. Historic Name: Unknown
B2: Common Name: Honeybee Sewing
B3. Original Use: Commercial/Industrial
B4: Present Use: Commercial/Industrial
***B5: Architectural Style**: Neoclassical
***B6: Construction History**: (Construction Date, alterations and dates of alterations)
The building was constructed in c. 1903 Major alterations included: replacement of original doors and windows; interior alterations, dates unknown.
***B7. Moved?** X **No** Yes Unknown Date: _____ Original Location _____
***B8. Related Features**: None
B9a. Architect: Unknown **b. Builder:** Unknown
***B10. Significance:** Neoclassical Architecture **Area**: Los Angeles **Period of Significance**: 1903- Present **Property Type:** Commercial **Applicable Criteria**: C
(Discuss importance in terms of historical or architectural context as defined by theme, period, and geographic scope. Also address integrity.)
Building permits for the structure were reviewed at the City of Los Angeles Building Department. No original construction permits were located for the property. Permits available for the property begin in 1958 and include alterations for 1958, 1979, 1980, 1982, 1988, 1997, 2000, and 2010. Changes made to the building include numerous interior alterations, non-historic door and window replacements. The permits and city directory information indicate that the property was used for a variety of manufacturing purposes, including furniture and textile manufacturing. Also, the property is listed several times in permits as the Central Wholesale Market building. Produce sales were also part of the commercial activity of the property. In 1958, the property underwent a fire which damaged a portion of the building which was repaired (Permit #LA91924, January 20, 1958). The building continues to be used as a warehouse, sales area and production area for various small businesses and is part of the downtown Los Angeles industrial core area.

B11. Additional Resource Attributes: (List attributes and codes) None
***B12. References**: McAlester and McAlester, *A Guide to American Houses*, 1991; City of Los Angeles Building Department Records; County of Los Angeles Assessor's Department Records; City of Los Angeles Water and Sewer Records, Los Angeles City Directories.
B13. Remarks: None
***B14: Evaluators**: K.A. Crawford
***Date of Evaluation**: 04/15/2010

(This space reserved for official comments.)

(Sketch Map with north arrow required.)



State of California – The Resource Agency
DEPARTMENT OF PARKS AND RECREATION
CONTINUATION SHEET

Primary # _____
HRI# _____
Trinomial _____

Page 3 of 10 *Resource Name or # (Assigned by recorder) Clearwire CA-LOS5989-A (CA5630)
*Recorded by K.A. Crawford/Michael Brandman Associates Date April 15, 2010
Continuation X Update

(Continued from page 2)

Integrity Statement

In regard to the seven aspects of integrity – location, design, setting, materials, workmanship, feeling and association – the c. 1903 Neoclassical style building on this property has retained its original location. The building has not been moved. The setting, feeling, and association have not remained intact as the urban area surrounding the structure has changed substantially and the building itself has had significant alterations. The design, materials and workmanship of the structure have basically remained intact bhe building has had extensive interior and exterior alterations, including door and window changes, to accommodate various tenant uses. The integrity level is fair and the condition of the building is fair.

National Register of Historic Places Eligibility Evaluation

The property was assessed under National Register of Historic Places **Criterion A** for its potential significance as part of any historic trends or events that may have made a significant contribution to the broad patterns of our history. The building was constructed as part of the overall continuing commercial development of the Los Angeles area which began in the 1880s and continues to the present time. There is no significant trend or event associated with the property. **Therefore, the property does not appear to meet the criteria for significance under Criterion A: Event.**

The property was assessed under National Register of Historic Places **Criterion B** for its potential significance and association with a person of importance in national history. There is no evidence to suggest that any of the persons associated with the construction or development of the building were considered important in the history of the property or nation. None of the persons associated with the property appear to be historically significant at the level necessary to meet the criteria for National Register of Historic Places. **Therefore, the property does not appear to meet the criteria for significance under Criterion B: Person.**

The property was assessed under National Register of Historic Places **Criterion C** for its potential significance as a property which embodies the distinctive characteristics of a type, period, method of construction or style of Neoclassical architecture, represents the work of a master architect, builder or craftsman, possesses high artistic values, or represents a significant or distinguishable entity whose components lack individual distinction. The building is a fair example of the main characteristics of the Neoclassical style. The building is a modest example of the character defining features of the Neoclassical style. The building's style does not rise to a level of significance to qualify for the National Register of Historic Places. The building is not a good example of the work of a master architect, builder or craftsman as no architect or contractor are listed for original design or construction of the structure. The building has been altered with interior changes, replacement of doors and windows with non-historic elements, removal of various equipment and storage areas. Therefore, the building cannot be considered to represent the work of a master architect, builder or craftsman and it has not retained its original integrity. **Therefore, the property does not appear to meet the criteria for significance under Criterion C: Architecture as a good example of Neoclassical style architecture.**

The property was assessed under National Register of Historic Places **Criterion D** for its potential significance and its ability to convey information. The property does not yield, or may not be likely to yield, information important in prehistory or history. In order for buildings, structures, or objects to be significant under Criterion D, they need to "be, or must have been, the principal source of information." This is not the case with this property. **Therefore, the property does not appear to meet the criteria for significance under Criterion D: Information Potential.**

In summary, the property does not appear to qualify for the National Register of Historic Places under any of the above criteria. Therefore, the building is not considered to be an historic resource for the purposes of the NHPA. The property was not accessed for eligibility under the California Register or local Los Angeles Register eligibility.

State of California – The Resource Agency
DEPARTMENT OF PARKS AND RECREATION
CONTINUATION SHEET

Primary # _____
HRI# _____
Trinomial _____

Page 4 of 10 *Resource Name or # (Assigned by recorder) Clearwire Ca-LOS5989-A (CA5630)
*Recorded by K.A. Crawford/Michael Brandman Associates Date April 15, 2010
Continuation X Update

Clearwire Ca-LOS5989-A (CA5630)
810 Kohler Street, Los Angeles, CA 90021
View Southwest/North and East Façades
April 15, 2010



State of California – The Resource Agency
DEPARTMENT OF PARKS AND RECREATION
CONTINUATION SHEET

Primary # _____
HRI# _____
Trinomial _____

Page 5 of 10 *Resource Name or # (Assigned by recorder) Clearwire Ca-LOS5989-A (CA5630)
*Recorded by K.A. Crawford/Michael Brandman Associates Date April 15, 2010
Continuation X Update

Clearwire Ca-LOS5989-A (CA5630)
810 Kohler Street, Los Angeles, CA 90021
View Southwest/East and North Façades
April 15, 2010



State of California – The Resource Agency
DEPARTMENT OF PARKS AND RECREATION
CONTINUATION SHEET

Primary # _____
HRI# _____
Trinomial _____

Page 6 of 10 *Resource Name or # (Assigned by recorder) Clearwire Ca-LOS5989-A (CA5630)
*Recorded by K.A. Crawford/Michael Brandman Associates Date April 15, 2010
Continuation X Update

Clearwire Ca-LOS5989-A (CA5630)
810 Kohler Street, Los Angeles, CA 90021
View Southwest/North Façade
April 15, 2010



State of California – The Resource Agency
DEPARTMENT OF PARKS AND RECREATION
CONTINUATION SHEET

Primary # _____
HRI# _____
Trinomial _____

Page 7 of 10 *Resource Name or # (Assigned by recorder) Clearwire Ca-LOS5989-A (CA5630)
*Recorded by K.A. Crawford/Michael Brandman Associates Date April 15, 2010
Continuation X Update

Clearwire Ca-LOS5989-A (CA5630)
810 Kohler Street, Los Angeles, CA 90021
View East/North Façade
April 15, 2010



State of California – The Resource Agency
DEPARTMENT OF PARKS AND RECREATION
CONTINUATION SHEET

Primary # _____
HRI# _____
Trinomial _____

Page 8 of 10 *Resource Name or # (Assigned by recorder) Clearwire Ca-LOS5989-A (CA5630)
*Recorded by K.A. Crawford/Michael Brandman Associates Date April 15, 2010
Continuation X Update

Clearwire Ca-LOS5989-A (CA5630)
810 Kohler Street, Los Angeles, CA 90021
View Southeast/West Façade
April 15, 2010



State of California – The Resource Agency
DEPARTMENT OF PARKS AND RECREATION
CONTINUATION SHEET

Primary # _____
HRI# _____
Trinomial _____

Page 9 of 10 *Resource Name or # (Assigned by recorder) Clearwire Ca-LOS5989-A (CA5630)
*Recorded by K.A. Crawford/Michael Brandman Associates Date April 15, 2010
Continuation X Update

Clearwire Ca-LOS5989-A (CA5630)
810 Kohler Street, Los Angeles, CA 90021
View Northwest/East and South Façades
April 15, 2010



State of California – The Resource Agency
DEPARTMENT OF PARKS AND RECREATION
CONTINUATION SHEET

Primary # _____
HRI# _____
Trinomial _____

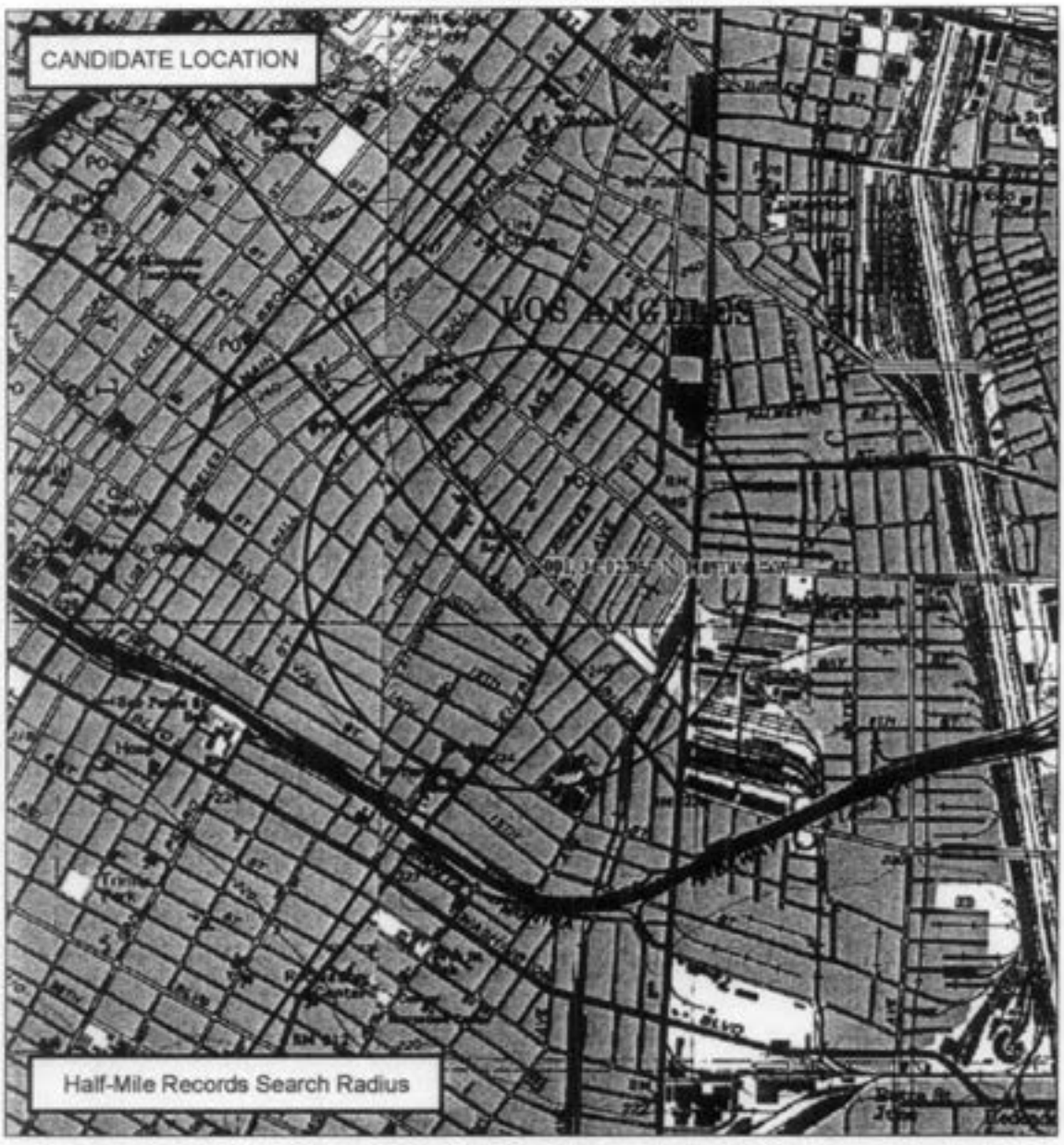
Page 10 of 10 *Resource Name or # (Assigned by recorder) Clearwire Ca-LOS5989-A (CA5630)
*Recorded by K.A. Crawford/Michael Brandman Associates Date April 15, 2010
Continuation X Update

Clearwire Ca-LOS5989-A (CA5630)
810 Kohler Street, Los Angeles, CA 90021
View Northwest /East and South Façades
April 15, 2010



19-188861

CA-LOS5989A: USGS Los Angeles, CA 7.5' Topographic Map



Source: Topo! © National Geographic Holdings

Michael Brandman Associates

29951001 • 04/2010 | 2_topo.mxd

Exhibit 2
Project Topographic Map

EBI • CULTURAL RESOURCE COMPLIANCE

State of California — The Resources Agency
DEPARTMENT OF PARKS AND RECREATION
PRIMARY RECORD

Primary #
HRI #
Trinomial
NRHP Status Code 6Z
Other Listings
Review Code Reviewer Date

Page 1 of 6 *Resource Name or #: Towne Building CA-LOS4733A

P1. Other Identifier: Towne Building
*P2. Location: ☐ Not for Publication ☒ Unrestricted *a. County: Los Angeles
and (P2b and P2c or P2d. Attach a Location Map as necessary.)
*b. USGS 7.5' Quad: Los Angeles, CA Date: 1982 T ; R ; ¼ of ¼ of Sec ; M.D. B.M.
c. Address: 799 Towne Avenue City: Los Angeles Zip: 90021
d. UTM: Zone: 10 ; mE/ mN (G.P.S.)
e. Other Locational Data: (e.g., parcel #, directions to resource, elevation, etc., as appropriate) Elevation:
APN: #5146027027

*P3a. Description: (Describe resource and its major elements. Include design, materials, condition, alterations, size, setting, and boundaries)
The Towne Building is a stucco over concrete, 5 story commercial and industrial building designed in the utilitarian style. The rectangular building measures approximately 70 feet high, 110 feet wide and 200 feet in length. The main façade is on the southeast side of Towne Avenue. The fifth story of the building steps in 20 feet on each side with a simple shallow pediment above the slightly protruding cornice in the middle at the top of the building. Decorative elements include the main entrance frame and triptych arched picture window. The arched window is flanked by two pilasters with three tiered newel posts which are Italian Renaissance in style. There are two sections of four level fire escapes/balconies on the southeast façade and one section of a three level fire escape/balcony on the southwest façade. The fire escapes/balconies are supported by curved stuccoed frames with red metal railings with a simple geometric design. The building is lined with simple geometric shapes on the corners and along the cornice. Multiple windows are on floors 2 through 5, they are multiple light casement windows. The ground floor has many rollup doors for the storefronts and access to the industrial designs. These rollup doors line the southeast and southwest facades. The front entrance has been sealed up removing the two large picture windows and the original door. Now the entrance has a smaller door with stucco over the windows and door openings. Situated on the north corner of East 8th Street and Towne Avenue, the Towne Building is part of the Ulm Tract, Block 6, Lots 41 through 48.

*P3b. Resource Attributes: (List attributes and codes) (HP7) 3+ story commercial building, (HP8) Industrial Building
*P4. Resources Present: ☒Building ☐Structure ☐Object ☐Site ☐District ☐Element of District ☐Other (Isolates, etc.)



P5b. Description of Photo: (View, date, accession #)
View North of Southwest and Southeast Facades 10/10/2010

*P6. Date Constructed/Age and Sources: ☒Historic
☐Prehistoric ☐Both
1917/93 years old, Los Angeles County Assessor

*P7. Owner and Address:
Denmarst Limited
747 East 8th Street
Los Angeles, CA 90021

*P8. Recorded by: (Name, affiliation, and address)
Ginger Weatherford
Historic Visions for EBI Consulting
6621 Cartwright St San Diego CA
*P9. Date Recorded: 10/19/2010

*P10. Survey Type: (Describe)
Intensive

*P11. Report Citation: (Cite survey report and other sources, or enter "none.") None
*Attachments: ☐NONE ☐Location Map ☐Sketch Map ☒Continuation Sheet ☒Building, Structure, and Object Record ☐Archaeological Record ☐District Record ☐Linear Feature Record ☐Milling Station Record ☐Rock Art Record ☐Artifact Record ☐Photograph Record ☐ Other (List):

State of California — The Resources Agency
DEPARTMENT OF PARKS AND RECREATION
Primary #
HRI#

BUILDING, STRUCTURE, AND OBJECT RECORD

*NRHP Status Code 6Z

*Resource Name or # (Assigned by recorder) Towne Building CA-LOS4733A

B1. Historic Name: Towne Building
B2. Common Name: Towne Building
B3. Original Use: Warehouse
B4. Present Use: Warehouse/Commercial Building

*B5. **Architectural Style:** Early 20th century utilitarian

*B6. **Construction History:** (Construction date, alterations, and date of alterations)
The Towne Building was completed in 1917. The front entrance has been sealed up removing the two large picture windows and the original door. Now the entrance has a smaller door with stucco over the windows and door openings.

*B7. **Moved?** ☒No ☐Yes ☐Unknown **Date:** **Original Location:** N/A

*B8. **Related Features:**
None

B9a. Architect: Unknown
b. Builder: Unknown

*B10. **Significance: Theme:** Early 20th century utilitarian architecture **Area:** Los Angeles
Period of Significance: 1900-1940 **Property Type:** Commercial/Industrial Building **Applicable Criteria:** C
(Discuss importance in terms of historical or architectural context as defined by theme, period, and geographic scope. Also address integrity.)
1900 to 1940 was known as the Age of Industry. During this period of producing material goods, building forms took on the necessity of being large enough to create products. The architectural theory form follows function leads to utilitarian architecture in the fact that the architectural form is designed based on its utility. Concrete was a popular building material as it could withstand the weight and stress of very large buildings. Concrete was very economical since it was poured and reinforced with iron and steel rods. Concrete served in many shapes and under a variety of conditions. Large buildings with many windows and quick access to the outside were created so that the production of material goods became more efficient. These warehouse buildings were built in pockets of cities so business owners could be in close proximity to each other so they could easily access the materials used in creating their products. Early 20th century utilitarian architecture had little or no decorative element. Often the warehouses had a subtle Classical Revival, Art Deco, Italian Renaissance, Greek Revival or other popular 20th century architectural style in addition to the basic utilitarian form.

B11. Additional Resource Attributes: (List attributes and codes)

*B12. **References:**
Rifkind, *A Field Guide to American Architecture*, 1980
Watkin, *A History of Western Architecture*, 2005
Los Angeles County Office of the Assessor

B13. Remarks:

*B14. **Evaluator:** Ginger Weatherford

*Date of Evaluation: 10/19/2010

(This space reserved for official comments.)

VICINITY MAP



*Required information

State of California — The Resources Agency
DEPARTMENT OF PARKS AND RECREATION
CONTINUATION SHEET

Primary #
HRI#
Trinomial

 *Resource Name or # (Assigned by recorder) Towne Building CA-LOS4733A

*Recorded by: Ginger Weatherford for EBI Consulting *Date: 10/19/2010 ☒ Continuation ☐ Update

(Continued from Page 2)

Integrity Statement

Evaluating the Towne Building based on the seven aspects of integrity: location, design, materials, workmanship, feeling and association, the early 20th century utilitarian building has remained in its original location. The design of the main entrance has been altered. The two large picture windows have been stuccoed over and the door opening is smaller than the original. The paint is peeling and there are several broken window panes. The building sign above the main entrance has fallen apart. Most of the letters are gone and the ones that are left are unrecognizable. The materials have not been altered and the workmanship appears to have been adequate for a structure of its kind. The setting, feeling and association have remained intact as the area remains an industrial warehouse district. The property does not appear to have changed since the early 1920s and the building remains positioned on the corner of East 8th Street and Towne Avenue.

National Register of Historic Places Eligibility Evaluation

The Towne Building was evaluated under National Register of Historic Places **Criterion A** for its potential significance as part of any historic trends or events that may have made an important contribution to the broad patterns of our history. The Towne Building was constructed as part of the continued development of the Warehouse District which has been increasing since the 1900s. There is no significant trend or event associated with the building. **Therefore, the Towne Building does not appear to meet the criteria for significance under Criterion A: Event.**

The Towne Building was evaluated under National Register of Historic Places **Criterion B** for its potential significance and association with a person of importance in national history. There does not seem to be any person associated with the building that is historically significant to the level necessary for meeting the criteria for National Register of Historic Places. **Therefore, the Towne Building does not appear to meet the criteria for significance under Criterion B: Person.**

The Towne Building was evaluated under National Register of Historic Places **Criterion C** for its potential significance as a property which embodies the distinctive characteristics of a type, period, method of construction or style of early 20th century utilitarian architecture, represents the work of a master architect, builder or craftsman, possesses high artistic values, or represents a significant or distinguishable entity whose components have individual distinction. The building is a very modest form of the early 20th century utilitarian style. The building's style does not meet the level of significance to qualify for the National Register of Historic Places. None of the individuals responsible for the design or construction of the building have been identified, therefore, the building cannot be considered to represent the work of a master architect, builder or craftsman. **Therefore, the Towne Building does not appear to meet the criteria for significance under Criterion C: Architecture as a good example of Modern style architecture.**

The Towne Building was evaluated under National Register of Historic Places **Criterion D** for its potential significance and its ability to convey information. The building does not and is not likely to convey information important to history. In order for buildings, structures or objects to be considered significant under Criterion D, they need to "be, or must have been, the principal source of information." This is not the case for the Towne Building. **Therefore, the Towne Building does not appear to meet the criteria for significance under Criterion D: Information Potential.**

In summary, the Towne Building does not appear to qualify for the National Register of Historic Places under Criterion A, B, C or D. Therefore, the Towne Building is not considered to be an historic resource under the National Historic Preservation Act. The Towne Building was not evaluated for eligibility under the California Register or the local Los Angeles Register.

State of California — The Resources Agency
DEPARTMENT OF PARKS AND RECREATION
CONTINUATION SHEET

Primary #
HRI#
Trinomial

*Resource Name or # (Assigned by recorder) Towne Building CA-LOS4733A

*Recorded by: Ginger Weatherford for EBI Consulting

*Date: 10/19/2010 ☒ Continuation ☐ Update

Towne Building
799 Towne Avenue, Los Angeles, CA 90021
View East/Northwest and Southwest Facades
October 10, 2010



*Required Information

State of California — The Resources Agency
DEPARTMENT OF PARKS AND RECREATION
CONTINUATION SHEET

Primary #
HRI#
Trinomial

*Resource Name or # (Assigned by recorder) Towne Building CA-LOS4733A

*Recorded by: Ginger Weatherford for EBI Consulting

*Date: 10/19/2010 ☒ Continuation ☐ Update

Towne Building
799 Towne Avenue, Los Angeles, CA 90021
View West/Southeast and Northeast Facades
October 10, 2010



State of California — The Resources Agency
DEPARTMENT OF PARKS AND RECREATION
CONTINUATION SHEET

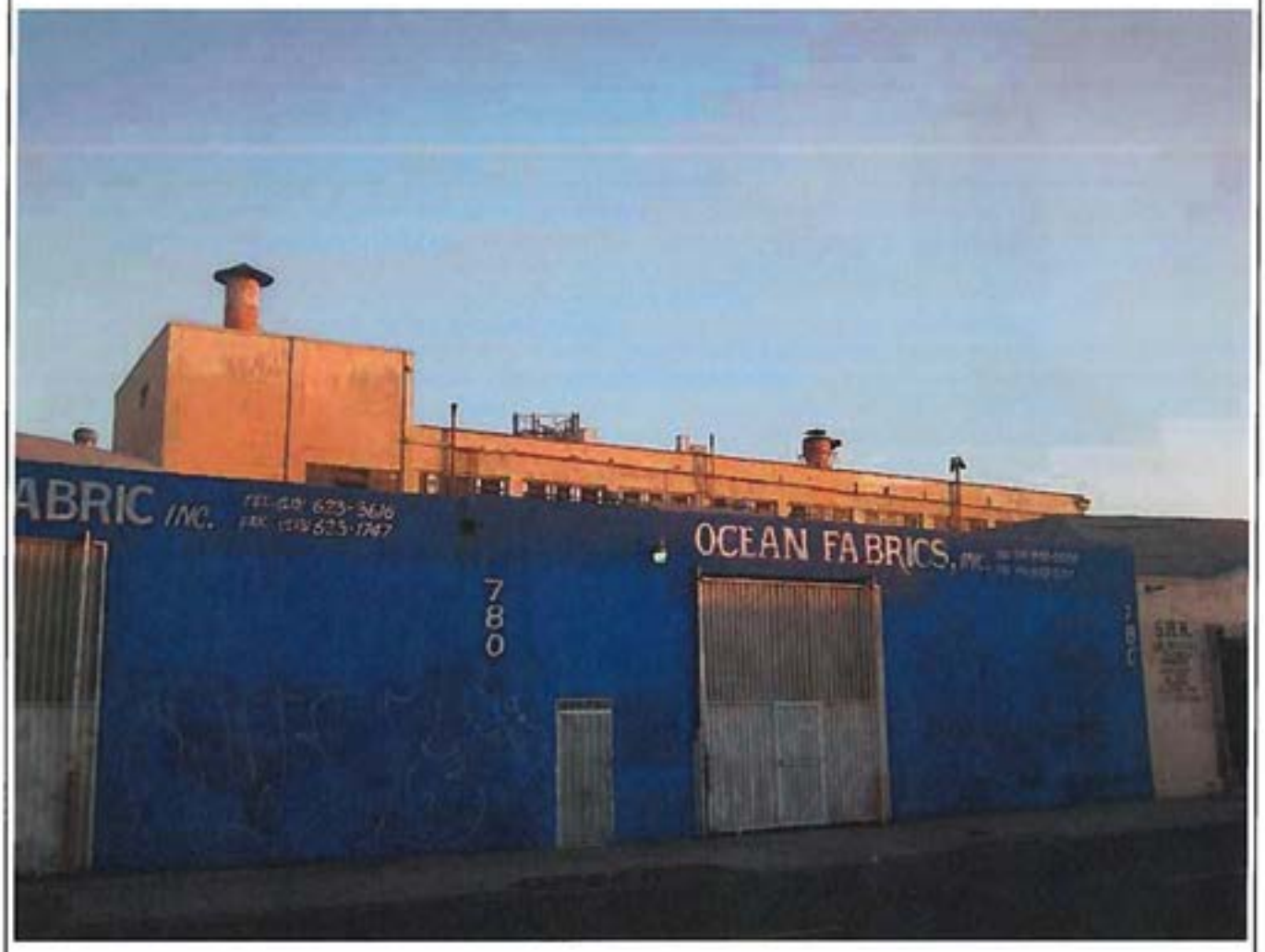
Primary #
HRI#
Trinomial

*Resource Name or # (Assigned by recorder) Towne Building CA-LOS4733A

*Recorded by: Ginger Weatherford for EBI Consulting

*Date: 10/19/2010 ☒ Continuation ☐ Update

Towne Building
799 Towne Avenue, Los Angeles, CA 90021
View South/Northwest Facade
October 13, 2010



*Required information

19-190035

State of California -- The Resources Agency
DEPARTMENT OF PARKS AND RECREATION

PRIMARY RECORD

Primary #
HRI#
Trinomial
NRHP Status Code

Other Listings
Review Code _____ Reviewer _____ Date _____

 Resource Name or #: LA KRETZ INNOVATION CAMPUS

P1. Other Identifier: Area of Potential Effects for the Undertaking at 500-542 S Colyton ST
P2. Location: ☐ Not for Publication ☒ Unrestricted a. County Los Angeles
and (P2b and P2C or P2d. Attach a Location Map as necessary.)
b. USGS 7.5' Quad Date T ; R ; 1/4 of 1/4 of Sec ; B.M.
c. Address Los Angeles Ave City Los Angeles Zip 90013
d. UTM: Zone ; mE/ mN
e. Other Locational Data:

P3a. Description:
There are 13 developed properties in the undertaking's Area of Potential Effects (APE), including the buildings in the project area at 1200 E. 5th Street, 518-524 S. Colyton Street/519-525 S. Hewitt Street, and 537-551 S. Hewitt Street. The properties at 1168 S. Colyton Street and 510 S. Hewitt Street are less than 50 years old. All of the other properties in the APE appear to be 50 years of age or older. Pursuant to Stipulation VI of the PA, qualified architectural historians have evaluated all of the properties in the APE to determine their eligibility for listing on the National Register of Historic Places (NRHP). None of the properties in the APE have been previously listed in, or determined eligible for listing in, either the NRHP or the California Register of Historical Resources or as designated as local landmarks. None of the properties is listed in the California State Historical Resources Inventory.
The buildings at 510, 530, and 550 S. Hewitt Street, which are part of the former Barker Brothers Factory and Warehouse Complex, were previously evaluated in a preliminary cultural resources assessment conducted by Chattel Architecture, Planning & Preservation, Inc., dated September 6, 2005. The assessment concluded that none of the properties within the Barker Brothers Factory and Warehouse complex qualified as historical resources either individually or as a potential historic district.

(See Continuation Sheet)

P3b. Resources Attributes:
P4. Resources Present: ☐ Building ☐ Structure ☐ Object ☐ Site ☐ District ☐ Element of District ☐ Other

P5b. Description of Photo:

P6. Date Constructed/Age and Sources: ☐ Historic ☐ Both ☐ Prehistoric

P7. Owner and Address:

P8. Recorded by:
ICF International
811 W 7th ST, Suite 800
Los Angeles, CA 90017

P9. Date Recorded: 7/20/2011

P10. Survey Type:
City of Los Angeles Section 106 Review.

P11. Report Citation: None.

Attachments: ☐ NONE ☐ Location Map ☐ Sketch Map ☒ Continuation Sheet ☐ Building, Structure, and Object Record
☐ Archaeological Record ☐ District Record ☐ Linear Feature Record ☐ Milling Station Record ☐ Rock Art Record
☐ Artifact Record ☐ Photograph Record ☐ Other:

State of California -- The Resources Agency
DEPARTMENT OF PARKS AND RECREATION

Primary #
HRI#
Trinomial

CONTINUATION SHEET

 Resource Name or #: LA KRETZ INNOVATION CAMPUS

Recorded by: ICF International Date: 7/20/2011 ☒ Continuation ☐ Update

P3a. Description, Continued:

Based on NRHP criteria for evaluation (36 CFR 60.4), we have concluded that none of the developed properties in the APE are eligible for listing in the NRHP individually or as a contributor to a potential NRHP eligible historic district. Our review revealed no evidence to suggest any of the properties are historically significant due to associations with an important event or person. None appear to embody characteristics or a method of construction that would warrant special recognition, and they are not located in a cohesive neighborhood or grouping.

Properties in the APE:

1168 E. 5th Street
1200 E. 5th Street
1201 E. 5th Street
457-459 S. Colyton Street
518-524 S. Colyton Street
527-528 S. Colyton Street
451-459 S. Hewitt Street
510 S. Hewitt Street
530 S. Hewitt Street
550 S. Hewitt Street
537-551 S. Hewitt Street
1212 E. Palmetto Street
1226-1240 E. Palmetto Street

State of California -- The Resources Agency
DEPARTMENT OF PARKS AND RECREATION

Primary #
HRI#
Trinomial

CONTINUATION SHEET

 Resource Name or #: LA KRETZ INNOVATION CAMPUS

Recorded by: ICF International Date: 7/20/2011 ☒ Continuation ☐ Update

Photographs of Properties in the Area of Potential Effects:



1168 E. 5th Street



1200 E. 5th Street



1201 E. 5th Street



457-459 S. Colyton Street



518-524 S. Colyton Street



527-528 S. Colyton Street

State of California -- The Resources Agency
DEPARTMENT OF PARKS AND RECREATION

CONTINUATION SHEET

Primary #
HRI#
Trinomial

 Resource Name or #: LA KRETZ INNOVATION CAMPUS

Recorded by: ICF International Date: 7/20/2011 ☒ Continuation ☐ Update

Photographs of Properties in the Area of Potential Effects, continued:



451-459 S. Hewitt Street



510 S. Hewitt Street



530 S. Hewitt Street



550 S. Hewitt Street



537-551 S. Hewitt Street



1212 E. Palmetto Street

State of California -- The Resources Agency
DEPARTMENT OF PARKS AND RECREATION

CONTINUATION SHEET

Primary #
HRI#
Trinomial

Page 5 of 5 **Resource Name or #:** LA KRETZ INNOVATION CAMPUS

Recorded by: ICF International **Date:** 7/20/2011 ☒ Continuation ☐ Update

Photographs of Properties in the Area of Potential Effects, continued:



1226-1240 E. Palmetto Street

5163	23 SHEET	P.A. 17-25	TRA 15117	REVISED 20100712 20100831020009001-23					SEARCH NO		OFFICE OF THE ASSESSOR COUNTY OF LOS ANGELES COPYRIGHT © 2002

19-190035

2011

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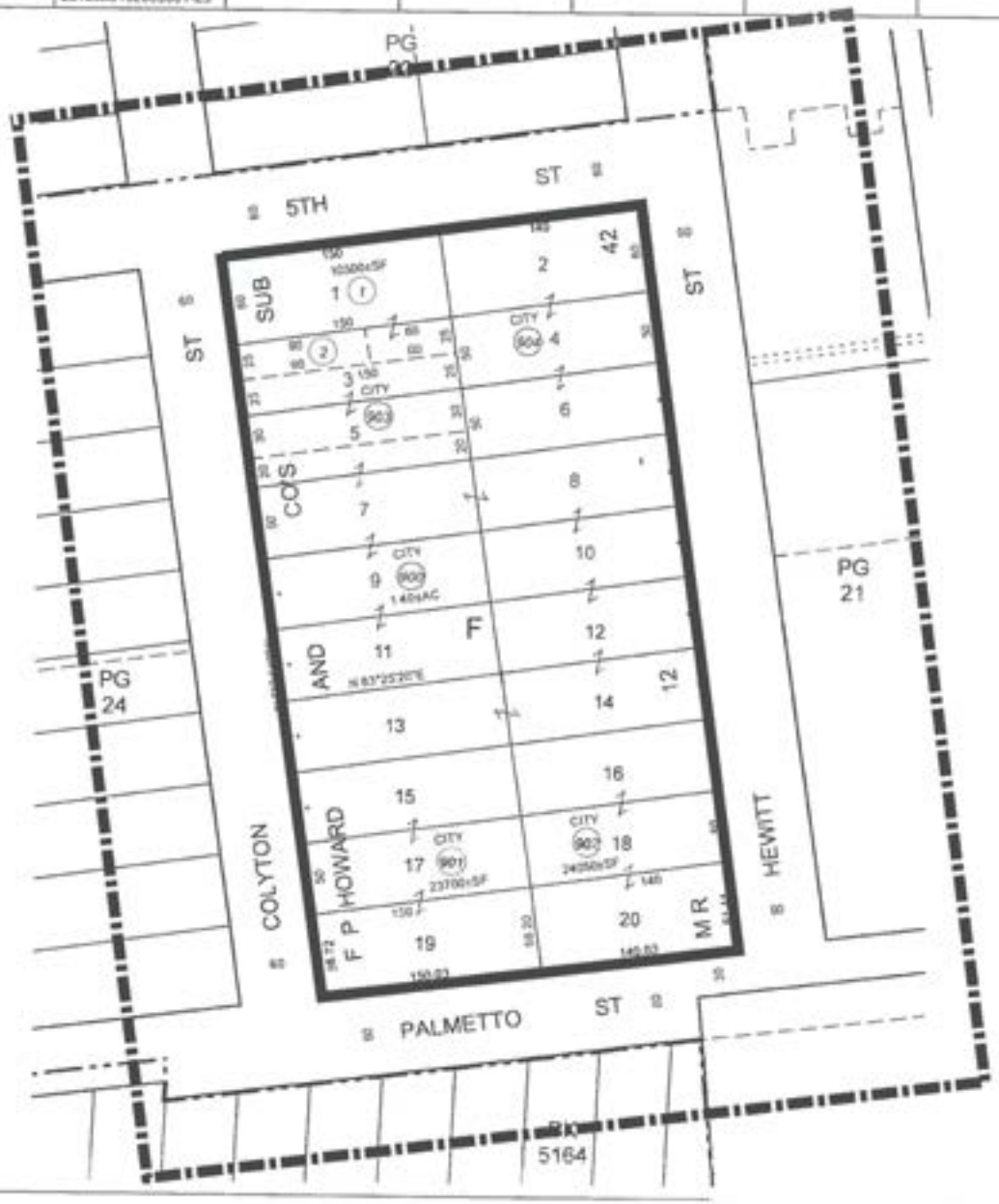
MAPPING AND GIS SERVICES
SCALE 1" = 80'





SOURCE: USGS 7.5' Quad., California: Los Angeles, Hollywood (1981, revised 1988)

Figure 2
Study Location Map
500-542 Colyton Street

ICF

19-190036

State of California -- The Resources Agency
DEPARTMENT OF PARKS AND RECREATION

PRIMARY RECORD

Primary #
HRI#
Trinomial
NRHP Status Code 6Y

Other Listings
Review Code _____ Reviewer _____ Date _____

Page 1 of 1 Resource Name or #: LA KRETZ INNOVATION CAMPUS

P1. Other Identifier:
P2. Location: ☐ Not for Publication ☒ Unrestricted
and (P2b and P2C or P2d. Attach a Location Map as necessary.)
b. USGS 7.5' Quad Date T ; R ; ¼ of ¼ of Sec ; B.M. Los Angeles.
c. Address 518-524 S COLYTON ST City Los Angeles Zip 90013
d. UTM: Zone ; mE/ mN
e. Other Locational Data:
a. County Los Angeles

P3a. Description:
The property contains a one-story industrial warehouse building that spans the middle of a city block, fronting two parallel streets. It has an irregular rectangular plan and unreinforced masonry construction. The building was originally designed in a utilitarian industrial style. It was constructed in a series of nearly identical sections, each with a low-pitch vaulted roof covered with rubberized roofing and featuring low, slightly stepped parapets capped with cast stone caps. The exterior walls are clad with brick masonry. Fronting each street, the building's primary facades are asymmetrically divided and punctuated by regularly spaced, alternating window and vehicle freight door openings. The window openings are each capped with original cast stone headers and are fit with original multiple-light steel industrial windows. The freight doors contain non-original metal roll-up doors or have been equipped with non-original glazed overhead garage doors with a smaller pedestrian door at the side. The fenestration consists of an equal mix of original and non-original doors and windows throughout the building. The building is in good condition. Its integrity is fair.

P3b. Resources Attributes: 08 Industrial Building
P4. Resources Present: ☒ Building ☐ Structure ☐ Object ☐ Site ☐ District ☐ Element of District ☐ Other



P5b. Description of Photo:
West Elevation, Looking Northeast

P6. Date Constructed/Age and Sources: ☒ Historic ☐ Both ☐ Prehistoric
1923 (E) Tax Assessor

P7. Owner and Address:
LADWP
111 N Hope ST, RM 1031
Los Angeles, CA 90012

P8. Recorded by:
ICF International
811 W 7th ST, Suite 800
Los Angeles, CA 90017

P9. Date Recorded: 7/20/2011

P10. Survey Type:
City of Los Angeles Section 106 Review.

P11. Report Citation: None.

Attachments: ☒ NONE ☐ Location Map ☐ Sketch Map ☐ Continuation Sheet ☐ Building, Structure, and Object Record ☐ Archaeological Record ☐ District Record ☐ Linear Feature Record ☐ Milling Station Record ☐ Rock Art Record ☐ Artifact Record ☐ Photograph Record ☐ Other:

DPR 523A (1/95)

19-190037

State of California – The Resources Agency
DEPARTMENT OF PARKS AND RECREATION

PRIMARY RECORD

Primary #
HRI#
Trinomial
NRHP Status Code 6Y

Other Listings
Review Code _____ Reviewer _____ Date _____

Page 1 of 1 Resource Name or #: LA KRETZ INNOVATION CAMPUS

P1. Other Identifier:
P2. Location: ☐ Not for Publication ☒ Unrestricted a. County Los Angeles
and (P2b and P2C or P2d. Attach a Location Map as necessary.)
b. USGS 7.5' Quad Date T ; R ; ¼ of ¼ of Sec ; B.M.
c. Address 1200 E 5TH ST City Los Angeles Zip 90013
d. UTM: Zone ; mE/ mN
e. Other Locational Data:

P3a. Description:
The property contains a one-story commercial retail building set on a corner parcel. It has a rectangular plan with a cutaway corner and unreinforced masonry construction. The building was originally designed in a vernacular commercial style. It has a flat roof with low parapet. The parapet is topped with a non-original security fence. The exterior walls are clad with brick masonry set in a staggered pattern to create wide horizontal courses. The building's primary facades are asymmetrically divided. The west elevation is one bay wide and punctuated by a single window opening. The northern elevation is three bays wide and contains three equally spaced window openings. All of the window openings contain non-original industrial windows, slightly obscured by metal security screens. The building's primary entrance is located in the cutaway at the building's northwest corner. The original door opening has been fully enclosed. The building's south elevation fronts a paved parking lot, and a non-original masonry addition has been constructed at the building's east elevation. The building is in fair condition. Its integrity is poor.

P3b. Resources Attributes: 06 Commercial Building, 1-3 stories
P4. Resources Present: ☒ Building ☐ Structure ☐ Object ☐ Site ☐ District ☐ Element of District ☐ Other



P5b. Description of Photo:
North and West Elevations, Looking Southeast

P6. Date Constructed/Age and Sources: ☒ Historic ☐ Both ☐ Prehistoric
1931 (E) Tax Assessor

P7. Owner and Address:
(Name Unknown)
1015 E Adams BLVD
Los Angeles, CA 90011

P8. Recorded by:
ICF International
811 W 7th ST, Suite 800
Los Angeles, CA 90017

P9. Date Recorded: 7/20/2011

P10. Survey Type:
City of Los Angeles Section 106 Review.

P11. Report Citation: None.

Attachments: ☒ NONE ☐ Location Map ☐ Sketch Map ☐ Continuation Sheet ☐ Building, Structure, and Object Record ☐ Archaeological Record ☐ District Record ☐ Linear Feature Record ☐ Milling Station Record ☐ Rock Art Record ☐ Artifact Record ☐ Photograph Record ☐ Other:

DPR 523A (1/95)

State of California
DEPARTMENT OF PARKS AND RECREATION
PRIMARY RECORD

Primary #_____
HRI #_____
Trinomial_____
NRHP Status Code____
Other Listings _____
Review Code_____Reviewer_____Date_____

***Page** 1 of 9 ***Resource Name or #:** T-Mobile West LLC LA02648A/LA648 Rossmore Hotel
***P1. Other Identifier:** Rossmore Hotel
***P2: Location:** Not for publication Unrestricted X a. County: Los Angeles
And (P2b and P2c or P2d. Attach a location map as necessary.)
***b. USGS Quad** Los Angeles ***Date:** 1975 T; R; ¼ of ¼ of Sec. _____ B.M._____
c. Address: 901-905 E. Sixth Street City: Los Angeles Zip: 90021
d. UTM: (Give more than one large or linear resources) Zone: Me/ mN
e. Other Locational Data (e.g. parcel #, directions to resource, elevation, etc. as appropriate);
APN: 5147-015-040
***P3a. Description** (Describe resource and its major elements, include design, materials, condition, alterations, size, setting and boundaries.)
The subject property is a three-story, U-shaped, asymmetrical, 20th Century Commercial style, hotel building located in a commercial/industrial area of the city of Los Angeles. The building has a concrete foundation, stucco exterior, and a flat roof. The building's entrance includes metal framed, fixed pane windows and metal and glass doors with a contrasting color framework around the entrance area. The entrance area contains a marquee style roof supported by metal braces. The windows are set in regular rows across the façade and the non-historic windows are rectangular shaped, metal framed slider style windows. Ground floor windows are arched. Metal security grilles are present on the ground floor windows. A metal fire escape is present on the south façade. The building is in fair condition with major door and window alterations.

***P3b. Resource Attributes:** (List attributes and codes) HP 6: 1-3 Story Commercial Building



P4. Resources Present: **Building X** Structure Object Site District Element of District
P5b. Description of Photo: (View, date Accessions #) View W/11/30/2012
***P6. Date Constructed/Age and Source** **Historic X** Prehistoric Both c. 1913/Los Angeles County Assessor's Records
***P7. Address:** Rossmore Ltd. Partnership, 315 W. 9th Street, Los Angeles, CA
***P8: Recorded by:** (Name, Affiliation, Address) K.A. Crawford, Michael Brandman Associates, 220 Commerce St., Irvine, CA
***P9. Date Recorded:** 11/30/2012
***P10. Type of Survey:** (Describe) Intensive
***P11: Report Citation** (Cite Survey Report and other sources, or enter "None".) None
***Attachments:** None Location Map Sketch Map **Continuation Sheet X** **Building, Structure and Object Record X** Archaeological Record District Record Liner Resource Record Milling Station Record Rock Art Record Artifact Record Photograph Record Other (List):

State of California – The Resources Agency
DEPARTMENT OF PARKS AND RECREATION
RESIDENCE, STRUCTURE, AND OBJECT RECORD

Primary #
HRI#
***NRHP Status Code**

***Page** 2 of 9 ***Resource Name or # (Assigned by Recorder):** T-Mobile West LLC LA02648A/LA648 Rossmore Hotel

B1. Historic Name: Rossmore Hotel
B2: Common Name: Rossmore Hotel
B3. Original Use: Commercial/
B4: Present Use: Commercial/
***B5: Architectural Style:** Modern
***B6: Construction History:** (Construction Date, alterations and dates of alterations)
The subject building was constructed in approximately 1913. The building has been altered with major door and window alterations and interior alterations.
***B7. Moved?** X **No** Yes Unknown **Date:** Original Location
***B8. Related Features:** None
B9a. Architect: Unknown **b. Builder:** Unknown
***B10. Significance:** Development of Los Angeles and 20th Century Commercial Architecture **Area:** Los Angeles **Period of Significance:** 1913-Present **Property Type:** Commercial **Applicable Criteria:** A and C
(Discuss importance in terms of historical or architectural context as defined by theme, period, and geographic scope. Also address integrity.)

The subject property is located in South Los Angeles, also known as South Central. The area is the home of the University of Southern California which was founded in the 1880s. The area was heavily populated by the white working class as much of the area was commercial and industrial. Small bungalow homes and low-rise commercial buildings were the primary buildings in the area. During World War II, displaced African-American families moved into the area in large numbers as it was one of the few areas in the city where they were allowed to buy property due to restrictive covenants. The area suffered extensive racial violence with white gangs causing mayhem and protection groups formed by the residents. In the 1950s, the construction of major freeways further altered the original neighborhoods, causing more disruption and increasing segregation lines. Riots in the 1960s further shattered the neighborhoods. The subject property was built in c. 1913, according to the Los Angeles County Assessor's records. No original permits for the property's construction were available. Various permits have been filed for numerous changes to the building including general tenant improvements and maintenance issues. The building has been altered extensively with a new entrance area, addition of a small marquee style roof over the entrance, replacement of all original doors and windows, the addition of a stucco coating to the original brick building, and various interior upgrades. The hotel property was built as one of many working class hotels to cater to the workers in the surrounding area who were unable to buy homes or preferred this style of living. The building has continued to serve as residential space from its construction to the present time.

B11. Additional Resource Attributes: (List attributes and codes) None
***B12. References:** McAlester and McAlester, *A Guide to American Houses*, 1991; Historicaerials.com; County of Los Angeles Assessor's Records; City of Los Angeles Building Department Records; Los Angeles Conservancy.
B13. Remarks: None
***B14: Evaluators:** K.A. Crawford
***Date of Evaluation:** 11/30/2012

(Sketch Map with north arrow required.)



(This space reserved for official comments.)

State of California – The Resource Agency
DEPARTMENT OF PARKS AND RECREATION
CONTINUATION SHEET

Primary # _____
HRI# _____
Trinomial _____

Page 3 of 9 *Resource Name or # (Assigned by recorder) T-Mobile West LLC LA02648A/LA648 Rossmore Hotel

*Recorded by K.A. Crawford/Michael Brandman Associates Date November 30, 2012

Continuation X Update

(Continued from page 2)

Integrity Statement

In regard to the seven aspects of integrity – location, design, setting, materials, workmanship, feeling and association – the c.1913 20th Century Commercial style hotel building on this property has retained its original location. The building has not been moved. The setting, feeling, and association have not remained intact as the urban area surrounding the structure has changed. The design, materials and workmanship have been altered by major door and window changes and various interior alterations. The integrity level is poor and the condition of the building is fair.

National Register of Historic Places Eligibility Evaluation

The property was assessed under National Register of Historic Places **Criterion A** for its potential significance as part of any historic trends or events that may have made a significant contribution to the broad patterns of our history. The building was constructed as part of the overall continuing commercial and residential development of the Los Angeles area which began in the 1850s and continues to the present time. There is no significant trend or event associated with the property. **Therefore, the property does not appear to meet the criteria for significance under Criterion A: Event.**

The property was assessed under National Register of Historic Places **Criterion B** for its potential significance and association with a person of importance in national history. There is no evidence to suggest that any of the persons associated with the construction or development of the building were considered important in the history of the property or nation. None of the persons associated with the property appear to be historically significant at the level necessary to meet the criteria for National Register of Historic Places. **Therefore, the property does not appear to meet the criteria for significance under Criterion B: Person.**

The property was assessed under National Register of Historic Places **Criterion C** for its potential significance as a property which embodies the distinctive characteristics of a type, period, method of construction or style of 20th Century Commercial architecture, represents the work of a master architect, builder or craftsman, possesses high artistic values, or represents a significant or distinguishable entity whose components lack individual distinction. The building is a limited example of the building style, it lacks any distinction or innovative elements, and the building has been altered by the replacement of all original doors and windows, a stucco coating was added to the original brick exterior, and interior alterations. The building's style does not rise to a level of significance to qualify for the National Register of Historic Places. The building is not a good example of the work of a master architect or craftsman as the no persons associated with the design or construction were identified. Therefore, the building cannot be considered to represent the work of a master architect, builder or craftsman. **Therefore, the property does not appear to meet the criteria for significance under Criterion C: Architecture as a good example of 20th Century Commercial style architecture.**

The property was assessed under National Register of Historic Places **Criterion D** for its potential significance and its ability to convey information. The property does not yield, or may not be likely to yield, information important in prehistory or history. In order for buildings, structures, or objects to be significant under Criterion D, they need to "be, or must have been, the principal source of information." This is not the case with this property. **Therefore, the property does not appear to meet the criteria for significance under Criterion D: Information Potential.**

In summary, the property does not appear to qualify for the National Register of Historic Places under any of the above criteria. Therefore, the building is not considered to be an historic resource for the purposes of the NHPA. The property was not accessed for eligibility under the California Register or local Los Angeles Register eligibility.

State of California – The Resource Agency
DEPARTMENT OF PARKS AND RECREATION
CONTINUATION SHEET

Primary # _____
HRI# _____
Trinomial _____

Page 4 of 9 *Resource Name or # (Assigned by recorder) T-Mobile West LLC LA02648A/LA648 Rossmore Hotel

*Recorded by K.A. Crawford/Michael Brandman Associates Date November 30, 2012
Continuation X Update

T-Mobile West LLC LA02648A/LA648 Rossmore Hotel
Rossmore Hotel, 901 E. 6th Street, Los Angeles, CA 90021
View North
November 30, 2012



State of California – The Resource Agency
DEPARTMENT OF PARKS AND RECREATION
CONTINUATION SHEET

Primary # _____
HRI# _____
Trinomial _____

Page 5 of 9 *Resource Name or # (Assigned by recorder) T-Mobile West LLC LA02648A/LA648 Rossmore Hotel

*Recorded by K.A. Crawford/Michael Brandman Associates Date November 30, 2012
Continuation X Update

T-Mobile West LLC LA02648A/LA648 Rossmore Hotel
Rossmore Hotel, 901 E. 6th Street, Los Angeles, CA 90021
View North
November 30, 2012



State of California – The Resource Agency
DEPARTMENT OF PARKS AND RECREATION
CONTINUATION SHEET

Primary # _____
HRI# _____
Trinomial _____

Page 6 of 9 *Resource Name or # (Assigned by recorder) T-Mobile West LLC LA02648A/LA648 Rossmore Hotel

*Recorded by K.A. Crawford/Michael Brandman Associates Date November 30, 2012
Continuation X Update

T-Mobile West LLC LA02648A/LA648 Rossmore Hotel
Rossmore Hotel, 901 E. 6th Street, Los Angeles, CA 90021
View Northeast
November 30, 2012



State of California – The Resource Agency
DEPARTMENT OF PARKS AND RECREATION
CONTINUATION SHEET

Primary # _____
HRI# _____
Trinomial _____

Page 7 of 9 *Resource Name or # (Assigned by recorder) T-Mobile West LLC LA02648A/LA648 Rossmore Hotel

*Recorded by K.A. Crawford/Michael Brandman Associates Date November 30, 2012
Continuation X Update

T-Mobile West LLC LA02648A/LA648 Rossmore Hotel
Rossmore Hotel, 901 E. 6th Street, Los Angeles, CA 90021
View Northwest
November 30, 2012



State of California – The Resource Agency
DEPARTMENT OF PARKS AND RECREATION
CONTINUATION SHEET

Primary # _____
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Trinomial _____

Page 8 of 9 *Resource Name or # (Assigned by recorder) T-Mobile West LLC LA02648A/LA648 Rossmore Hotel

*Recorded by K.A. Crawford/Michael Brandman Associates Date November 30, 2012
Continuation X Update

T-Mobile West LLC LA02648A/LA648 Rossmore Hotel
Rossmore Hotel, 901 E. 6th Street, Los Angeles, CA 90021
View West
November 30, 2012



State of California – The Resource Agency
DEPARTMENT OF PARKS AND RECREATION
CONTINUATION SHEET

Primary # _____
HRI# _____
Trinomial _____

Page 9 of 9 *Resource Name or # (Assigned by recorder) T-Mobile West LLC LA02648A/LA648 Rossmore Hotel

*Recorded by K.A. Crawford/Michael Brandman Associates Date November 30, 2012
Continuation X Update

T-Mobile West LLC LA02648A/LA648 Rossmore Hotel
Rossmore Hotel, 901 E. 6th Street, Los Angeles, CA 90021
View Southwest
November 30, 2012



Appendix D.4

Noise Report

Noise Technical Report

City of Los Angeles Housing Element (2021–2029) Checklist

THE ROW DTLA RESIDENTIAL PROJECT
LOS ANGELES, CA

Prepared for:
Eyestone Environmental

September 2025

Report Ref:
R2025101.1

Prepared by:
Acoustical Engineering Services, Inc.
515 South Flower Street, 18th Floor
Los Angeles, CA 90071

Table of Contents

1 Introduction 4
2 Project Location and Existing Uses 4
3 Project Description 6
4 Housing Element Mitigation Measures 6
5 Noise analysis in accordance with mitigation measures 4.10-1(f) and 4.10-2 11
5.1 Fundamentals of Sound and Environmental Noise 11
5.1.1 Outdoor Sound Propagation 11
5.1.2 Environmental Noise Descriptors 13
5.2 Ground-borne Vibration 13
5.3 Regulatory Framework 14
5.3.1 Federal 14
5.3.2 State 15
5.3.3 Local 18
5.4 Existing Conditions 22
5.4.2 Construction Noise 26
5.4.3 Operational Noise 27
5.4.4 Ground-borne Vibration Standards and Guidelines 27
5.5 Methodology 28
5.5.1 On-Site Construction Activities 28
5.5.2 Off-Site Construction Haul Trucks 29
5.5.3 On-Site Stationary Noise Sources (Operation) 29
5.5.4 Construction Vibration 29
5.6 Project Design Feature 30
5.7 Analysis of Project Impacts 30
5.7.1 Construction Noise 30
5.7.2 Operational Noise 38
5.7.3 Construction Vibration 41
5.8 Cumulative Impact Analysis 43
5.9 Construction Noise 43
5.9.1 On-Site Construction Noise 43
5.9.2 Off-Site Construction Noise 44
5.10 Operational Noise 44
5.10.1 Construction Vibration 45
5.11 Mitigation Measures 45
6 References 46

List of Figures

Figure 1. Project Development Area 5
Figure 2. Guidelines for Noise Compatibility Land Use 17
Figure 3. Noise Measurement Locations 23

List of Tables

Table 1. Typical Noise Levels 12
Table 2. City of Los Angeles Noise Land Use Compatibility 19
Table 3. City of Los Angeles Presumed Ambient Noise Levels 20
Table 4. Existing Ambient Noise Levels 25
Table 5. Construction Equipment Noise Emission Reference Levels and Usage Factors 32
Table 6. On-Site Construction Noise Impacts by Construction Phase 33
Table 7. On-Site Construction Noise Impacts Overlapping Construction 34
Table 8. Off-Site Construction Noise Levels by Construction Phase 36
Table 9. Off-Site Construction Noise Levels Overlapping Construction 37
Table 10. Off-Site Improvement Noise Impacts 38
Table 11. Outdoor Uses Noise Levels (L_{eq}) 39
Table 12. Outdoor Uses Noise Levels (CNEL) 40
Table 13. Construction Vibration Impacts Building Damage 42

Appendices

Appendix A Ambient Noise Measurements
Appendix B Construction Noise and Vibration Calculations
Appendix C Operational Noise Calculations

1 INTRODUCTION

This Noise Technical Report (Noise Study) has been prepared to evaluate potential noise impacts associated with the construction and operation of ROW DTLA Residential Project (Project) pursuant to the City of Los Angeles (City) Housing Element Checklist.

On November 24, 2021, the City Council certified the Citywide Housing Element 2021 2029 and Safety Element Updates Final Environmental Impact Report (EIR), SCH No. 2021010130, EIR No. ENV-2020-6762-EIR (Program EIR), to adopt the 2021 2029 Citywide Housing Element and the Updates to the Safety Element and the Plan for a Healthy LA (Health Element). Pursuant to CEQA Guidelines Sections 15168(c)(4) and 15168(d), Projects that are found to be within the scope of the program analyzed in the Program EIR and its environmental effects do not require further CEQA documentation. The noise analysis below has been completed in accordance with the noise mitigation measures set forth in the Program EIR and confirms that the Project would not result in significant noise impacts that were not already examined in the Program EIR.

2 PROJECT LOCATION AND EXISTING USES

The Project Site is approximately 31 acres in size. The Project Site occupies the northern half of the block bounded by E. 7th Street on the north, S. Central Avenue on the west, S. Alameda Street on the east, and E. Olympic Boulevard to the south, with the partially vacated former E. 8th and Bay streets providing internal access within the middle of the block. The Development Area is approximately 4.84 gross acres and is located within the western portion of the Project Site along Alameda Street at 747-787 S. Alameda Street, as shown in Figure 1 (on page 5). The Project Site is located in an existing industrial district east of Downtown Los Angeles. The area surrounding the Project Site is primarily developed with warehouses, cold storage facilities, small-scale manufacturing operations, and other industrial uses, though in more recent years newer commercial office, commercial retail, and residential uses have been developed in the vicinity of the Project Site.

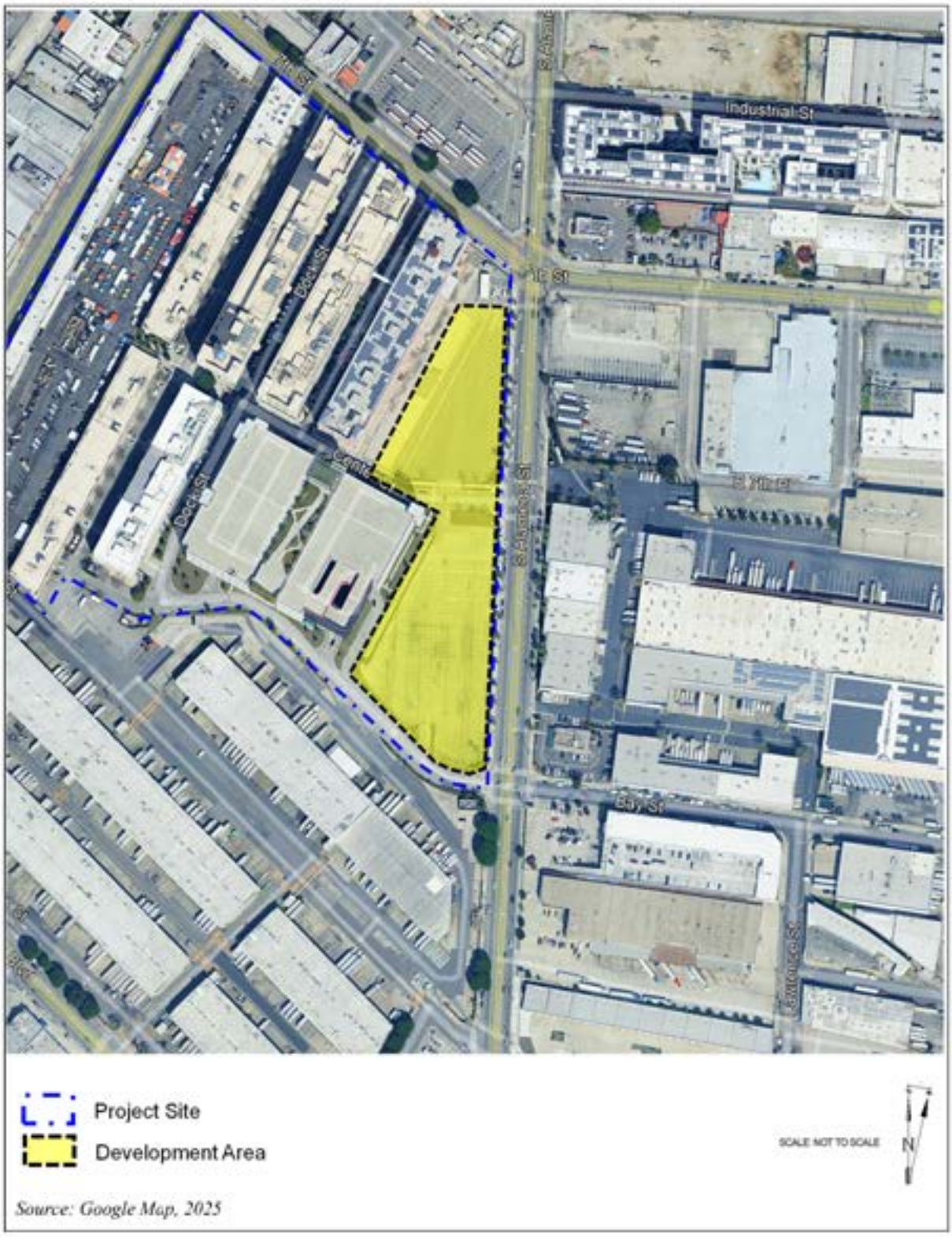

Figure 1. Project Development Area

3 PROJECT DESCRIPTION

The Project includes the development of three mixed-use buildings containing 1,000 residential units including 114 Low Income Housing units in three buildings and 6,547 square feet of commercial (retail/restaurant) uses within two buildings. Building A would include 1,119 square feet of commercial uses located on the first floor; 410 residential units at the first though eighth floors; and two levels of subterranean parking as well as above grade parking located on the first floor. Building B would include 214 residential units located on the first through eighth floors, and two levels of subterranean parking as well as above grade parking located on the first floor. Building C would include 5,428 square feet of commercial uses on the first floor; 376 residential units at the first through eighth floors; and two levels of subterranean parking as well as above grade parking located on the first floor. The proposed buildings would range from approximately 100 feet to 103 feet in height. Upon completion, 884,278 square feet of new floor would be provided. When accounting for the existing floor area to remain, approximately 2,477,695 square feet of floor area would be provided within the Project Site with a total FAR of 1.86:1. Buildings A and B will be completed in 2029 and occupied, while Building C would be under construction from 2030 to 2032. The Project would include up to 1,092 vehicular parking spaces. A total of 96,278 square feet of open space would also be provided. The existing uses within the remainder of the Project Site outside of the Development Area will remain and would not be modified by the Project.

4 HOUSING ELEMENT MITIGATION MEASURES

The Program EIR prepared a noise impact analysis to identify potential noise impacts related to implementation of the City's updated Housing Element. As part of the noise analysis, mitigation measures were included that require physical measures to be implemented during construction and operation of a project as well as noise analyses for discretionary projects meeting certain conditions. These mitigation measures are listed below along with their applicability to the Project.

Mitigation Measure 4.10-1(a) Noise Shielding and Silencing:

For all discretionary projects, power construction equipment (including combustion engines), fixed or mobile, shall be equipped with noise shielding and silencing devices consistent with manufacturer's standards or the Best Available Control Technology. Equipment shall be properly maintained, and the Project Applicant or Owner shall require any construction contractor to keep documentation on-site during any earthwork or construction activities demonstrating that the equipment has been maintained in accordance with manufacturer's specifications. Measure shall be shown on plans.

Applicability: This mitigation measure will be implemented as part of the Project.

Mitigation measure 4.10-1(b) Use of Driven Pile Systems

For all discretionary projects, driven (impact), sonic, or vibratory pile drivers shall not be used, except in locations where the underlying geology renders alternative methods infeasible, as determined by a soils or geotechnical engineer and documented in a soils report. Requirement shall show on plans.

Applicability: This mitigation measure prohibiting driven pile systems will be implemented as part of the Project..

Mitigation measure 4.10-1(c) Enclosures and Screening

For all discretionary projects, all outdoor mechanical equipment shall be enclosed or screened from off-site noise-sensitive uses. The equipment enclosure or screen shall be impermeable (i.e., solid material with minimum weight of 2 pounds per square feet) and break the line-of-sight from the equipment and off-site noise-sensitive uses.

Applicability: This mitigation measure will be implemented as part of the Project.

Mitigation measure 4.10-1(a) Construction Staging Areas

Construction staging areas shall be located as far from noise-sensitive uses as reasonably possible and feasible in consideration of site boundaries, topography, intervening roads and uses, and operational constraints. Requirement shall show on plans.

Applicability: This mitigation measure will be implemented as part of the Project.

Mitigation measure 4.10-1(e) Temporary Sound Barriers

Sound barriers, such as temporary walls or sound blankets, shall be erected between construction activities and noise-sensitive uses when construction activities are located within a line-of-sight to and within 500 feet of noise-sensitive uses. Requirement shall show on plans.

Applicability: This mitigation measure will be implemented as part of the Project.

Mitigation measure 4.10-1(j) Project-Specific Construction Noise Study

A Construction Noise Study, prepared by a qualified noise expert to meet the requirements herein, shall be required for discretionary projects in the City located within 500 feet of noise-sensitive land uses and that have one or more of the following characteristics:

- *Two or more subterranean levels or 20,000 cubic yards or more of excavated material;*
- *Construction duration (excluding architectural coatings) of 18 months or more;*

- *Use of large, heavy-duty equipment rated 300 horsepower or greater; or*
- *The potential for impact pile driving.*

The Construction Noise Study shall characterize sources of construction noise, quantify noise levels at noise-sensitive uses (e.g., residences, transient lodgings, schools, libraries, churches for other places of assembly), hospitals, nursing homes, auditoriums, concert halls, amphitheaters, playgrounds, and parks), and identify measures to reduce noise exposure. The Construction Noise Study shall identify reasonably available noise reduction devices or techniques to reduce noise levels to acceptable levels and/or: durations including through reliance on any relevant federal, state or local standards or guidelines or accepted industry practices, and in compliance with LAMC standards. Noise reduction devices or techniques may include but not be limited to mufflers, shields, sound barriers, and time and place restrictions on equipment and activities. Each measure in the Construction Noise Study shall identify anticipated noise reductions at noise-sensitive land uses.

Project Applicants shall be required to comply with all requirements of Mitigation Measures 4.10-1(a) through 4.10-5(e) in addition to any additional requirements identified and recommended by the Construction Noise Study and shall maintain proof that notice of, as well as compliance with, the identified measures have been included in contractor agreements.

Applicability: The Construction Noise Study required by this measure is provided in the analysis below.

Mitigation measure 4.10-2 Project-Specific Operational Noise Study

A Noise Study, prepared by a qualified noise expert to meet the requirements herein, shall be required for all discretionary housing developments with roof decks and/or pool decks in the City of Los Angeles concurrent with Design Review and prior to the approval of building permits. The Noise Study shall include:

- *Description of pertinent noise regulations.*
- *Analysis of operational noise generated by the project's roof decks and/or pool decks to noise-sensitive land uses.*
- *Comparison of noise levels to applicable City thresholds, such as if the project's operational noise would exceed 3 dBA in an unacceptable land use category or 5 dBA in an acceptable land use category per the City's land use compatibility guidelines included in the City of Los Angeles General Plan Noise Element.*
- *If project noise would exceed City thresholds, identification of mitigation measures to reduce noise to below 3 dBA in an unacceptable land use category or 5 dBA in an acceptable land use category to the extent feasible. Mitigation measures may include,*

but would not be limited to, operational restrictions, sound dampening equipment, or sound walls.

- *Each mitigation measure in the Noise Study shall identify anticipated noise reductions at noise-sensitive land uses.*
- *Applicant/owners shall comply with the mitigation plan and include the measures in construction contracts.*
- *Mitigation plan shall be included on plans.*

Applicability: The operational noise analysis required by this measure is provided in the analysis below.

Mitigation measure 4.10-3(a) Vibration Control Plan

For construction activity for discretionary projects involving vibratory rollers or sonic pile drivers within 50 feet of an extremely fragile building (non-engineered masonry) or historical resource (designated or in SurveyLA or other City recognized survey), the Applicant shall prepare a Vibration Control Plan. The Vibration Control Plan requirement shall also apply to use of impact pile drivers within 140 feet of extremely fragile buildings or historical resources or residential structures. The Vibration Control Plan shall be prepared by a licensed structural engineer and shall include methods to minimize vibration, including, but not limited to:

- *Use of drilled piles or similar method rather than impact pile driving*
- *Use of rubber-tired equipment rather than metal-tracked equipment*
- *Avoiding the use of vibrating equipment when allowed by best engineering practices*

The Vibration Control Plan shall include a pre-construction survey letter establishing baseline conditions at potentially affected extremely fragile buildings/historical resources. The survey letter shall provide a shoring design to protect the extremely fragile buildings/historical resources from potential damage. At the conclusion of vibration causing activities, the qualified structural engineer shall issue a follow-up letter describing damage, if any, to impacted buildings. The letter shall include recommendations for any repair, as may be necessary, in conformance with the Secretary of the Interior Standards. Repairs shall be undertaken and completed by the Contractor and monitored by a qualified structural engineer in conformance with all applicable codes including the California Historical Building Code (Part 8 of Title 24).

A Statement of Compliance, in a form approved by the City, committing the Applicant and Owner to complying with the measure shall be signed by the Applicant and Owner is required to be submitted to the Los Angeles Department of Building and Safety (LADBS) at plan check and prior to the issuance of any permit. The Vibration Control Plan, prepared as outlined

above shall be documented by a qualified structural engineer, and shall be provided to the City upon request. Vibration Control Plan shall show on the plans.

Applicability: This mitigation measure will be implemented as part of the Project.

Mitigation measure 4.10-3(b) Vibration Mitigation

For all discretionary projects:

- *Impact pile drivers shall be avoided to eliminate excessive vibration levels. Drilled piles or similar methods are alternatives that shall be utilized where geological conditions permit their use.*
- *Construction activities shall involve rubber-tired equipment rather than metal-tracked equipment.*

The construction contractor shall manage construction phasing (scheduling demolition, earthmoving, and ground-impacting operations so as not to occur in the same time period), use low-impact construction technologies, and shall avoid the use of vibrating equipment when allowed by best engineering practices.

Requirement to be on plans.

Applicability: This mitigation measure will be implemented as part of the Project.

5 NOISE ANALYSIS IN ACCORDANCE WITH MITIGATION MEASURES 4.10-1(F) AND 4.10-2

5.1 Fundamentals of Sound and Environmental Noise

Noise is commonly defined as sound that is undesirable because it interferes with speech communication and hearing, causes sleep disturbance, or is otherwise annoying (unwanted sound). The decibel (dB) is a conventional unit for measuring the amplitude of sound because it accounts for the large variations in sound pressure amplitude and reflects the way people perceive changes in sound amplitude. The human hearing system is not equally sensitive to sound at all frequencies. Therefore, to approximate this human frequency-dependent response, the A-weighted filtering system is used to adjust measured sound levels (dBA). The term "A-weighted" refers to filtering the noise signal in a manner that corresponds to the way the human ear perceives sound. Examples of various sound levels in different environments are provided in Table 1 (on page 12).[1]

Generally, people judge the relative magnitude of sound sensation by subjective terms such as "loudness" or "noisiness." To a person with normal hearing, a change in sound level of 3 dB is considered "just perceptible," a change in sound level of 5 dB is considered "clearly noticeable," and a change (i.e., increase) of 10 dB is generally recognized as "twice as loud" as the original sound.[2]

5.1.1 Outdoor Sound Propagation

In an outdoor environment, sound levels attenuate (reduce) through the air as a function of distance. Such attenuation is commonly referred to as "distance loss" or "geometric spreading," and is based on the noise source configuration (e.g., point source, or line source). For a point source, such as a piece of mechanical/electrical/construction equipment (e.g., air conditioner, electrical transformer, or bulldozer), the rate of sound attenuation is about 6 dB per doubling of distance from the noise source. For example, an outdoor condenser fan that generates a sound level of 60 dBA at a distance of five feet would attenuate to 54 dBA at a distance of 10 feet. For a line source, such as a constant flow of traffic on a roadway, the rate of sound attenuation is about 3 dB per doubling of distance.[3]

In addition, structures (e.g., buildings and solid walls) and natural topography (e.g., hills) that obstruct the acoustics line-of-sight between a noise source and a receptor further reduce the noise level at the receptor if the receptor is located within the "shadow" of the obstruction, such as behind a sound wall. This type of sound attenuation is known as "barrier insertion loss." If

---

1 *All sound levels measured in decibel (dB) in this study are relative to $2x10^{-5}$ N/m^2.*

2 *Caltrans, Technical Noise Supplement (TeNS), Table 2.10, 2013.*

3 *Caltrans, Technical Noise Supplement (TeNS), Chapter 2.1.4.1, 2013.*

a receptor is located behind the wall but still has a view of the source (i.e., line-of-sight is not fully blocked), some barrier insertion loss would still occur, however to a lesser extent. Additionally, a receptor located on the same side of the wall as a noise source may actually experience an increase in the perceived noise level as the wall reflects noise back to the receptor, thereby compounding the noise. Outdoor noise barriers can provide noise level reductions ranging from approximately 5 dBA (where a barrier just breaks the acoustic line-of-sight between the noise source and receiver) to an upper range of 20 dBA with a more substantial barrier.[4]

Table 1. Typical Noise Levels

Common Outdoor Activities	Noise Levels, dBA	Common Indoor Activities
	110	Rock Band
Jet Fly-over at 1000 feet		
	100	
Gas Lawn Mower at 3 feet		
	90	
Diesel Truck at 50 feet at 50 mph		Food Blender at 3 feet
	80	Garbage Disposal at 3 feet
Noisy Urban Area, Daytime		
Gas Lawn Mower at 100 feet	**70**	Vacuum Cleaner at 10 feet
Commercial Area		Normal Speech at 3 feet
Heavy Traffic at 300 feet	**60**	
		Large Business Office
Quiet Urban Daytime	**50**	Dishwasher Next Room
Quiet Urban Nighttime	**40**	Theater, Large Conference Room
Quiet Suburban Nighttime		(Background)
	30	Library
Quiet Rural Nighttime		Bedroom at Night, Concert Hall
	20	(Background)
		Broadcast/Recording Studio
	10	
	0	

Source: Caltrans, Technical Noise Supplement (TeNS), Table 2-5, 2013

[4] *Caltrans, Technical Noise Supplement (TeNS), Chapter 2.1.4.4, 2013.*

5.1.2 Environmental Noise Descriptors

Several rating scales have been developed to analyze the adverse effect of environmental noise on people. Since environmental noise fluctuates over time, these scales consider the total acoustical energy content, as well as the time and duration of occurrence. The most frequently used noise descriptors, including those used by the City, are summarized below.

Equivalent Sound Level (L_{eq}). L_{eq} is a measurement of the acoustic energy content of noise averaged over a specified time period. Thus, the L_{eq} of a time-varying sound and that of a steady sound are the same if they deliver the same amount of energy to the receptor's ear during exposure. L_{eq} for one-hour periods, during the daytime or nighttime hours, and 24 hours are commonly used in environmental noise assessments. L_{eq} can be measured for any time period, but is typically measured for an increment of no less than 15 minutes for environmental studies. As discussed below, the analysis herein includes the use of an 8-hour average ($L_{eq(8\text{-hour})}$) for construction noise impacts, per the City recently adopted Construction Noise and Vibration Updates to Thresholds and Methodology.

Community Noise Equivalent Level (CNEL). CNEL is the time average of all A-weighted sound levels for a 24-hour day period with a 10 dBA adjustment (increase) added to the sound levels that occur in the nighttime hours (10:00 P.M. to 7:00 A.M.) and a 5 dBA adjustment (increase) added to the sound levels that occur in the evening hours (7:00 P.M. to 10:00 P.M.). These adjustments attempt to account for increased human sensitivity to noise during the quieter nighttime periods, when the ambient background noise is lower and where sleep is the most probable activity. CNEL has been adopted by the State of California as the rating scale to be used to define the community noise environment for development of the community noise element of a General Plan and is also used by the City of Los Angeles for its land use planning.[5]

5.2 Ground-borne Vibration

Vibration is commonly defined as an oscillatory motion through a solid medium in which the motion's amplitude can be described in terms of displacement, velocity, or acceleration. The peak particle velocity (PPV) or the root-mean square (RMS) velocity is usually used to describe vibration amplitudes. PPV is defined as the maximum instantaneous peak of the vibration signal and is typically used for evaluating potential building damage.[6] The RMS velocity is defined as the square-root of the average of the squared amplitude of the vibration signal and is used for evaluating human response to ground-borne vibration.[7] Decibel notation (VdB) is

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[5] *State of California, General Plan Guidelines, 2017.*

[6] *Vibration levels described in this report are in terms peak particle velocity level in the unit of inches per second.*

[7] *FTA, "Transit Noise and Vibration Impact Assessment," Section 5, September 2018.*

commonly used to express RMS vibration velocity amplitude.[8] The relationship of PPV to RMS velocity is expressed in terms of the "crest factor," defined as the ratio of the PPV amplitude to the RMS amplitude. PPV is typically a factor of 1.7 to 6 times greater than RMS vibration velocity; FTA uses a crest factor of 4.[9] Ground-borne vibration generated by man-made activities (e.g., road traffic, construction operations) typically weakens with greater horizontal distance away from the source of the vibration. The vibration impact studies show in most circumstances common ground-induced vibrations related to roadway traffic and construction activities pose no threat to buildings or structures.[10]

5.3 Regulatory Framework

There are several plans, regulations, and programs that include policies, requirements, and guidelines applicable to the Project regarding noise at the federal, State, regional, and local levels. As described below, these plans, guidelines, and laws include the following:

- Federal Transportation Administration Vibration Standards Regarding Human Annoyance
- Occupational Safety and Health Act of 1970
- Office of Planning and Research Guidelines for Noise Compatible Land Use
- Caltrans Vibration Criteria for Building Damage
- Los Angeles County Airport Land Use Commission Comprehensive Land Use Plan
- City of Los Angeles Municipal Code
- City of Los Angeles General Plan Noise Element

5.3.1 Federal

5.3.1.1 Federal Transit Administration Vibration Standards Regarding Human Annoyance

There are no federal vibration standards or regulations adopted by any agency that are applicable to evaluating vibration impacts from land use development projects, such as the Project. However, the FTA has adopted standards associated with human annoyance for determining the groundborne vibration and noise impacts from ground-borne noise. With regard to sensitive uses, such as residential uses the FTA has established a threshold of 80 VdB

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[8] *VdB (velocity level in decibel) = 20 x Log (V / V_{ref}), where V is the RMS velocity amplitude in micro-inch per second and V_{ref} is the reference velocity amplitude of $1x10^{-6}$ inch per second (1 micro-inch per second).*

[9] *FTA, "Transit Noise and Vibration Impact Assessment," Section 5, September 2018.*

[10] *FTA, "Transit Noise and Vibration Impact Assessment," Section 5, September 2018.*

for infrequent events. The City uses this threshold for construction activities that occur within the nighttime hours.

5.3.1.2 Occupational Safety and Health Act of 1970

Under the Occupational Safety and Health Act of 1970 (29 United States Code [USC] Sections 1919 et seq.), the Occupational Safety and Health Administration (OSHA) has adopted regulations designed to protect workers against the effects of occupational noise exposure. These regulations list permissible noise level exposure as a function of the amount of time during which the worker is exposed. The regulations further specify a hearing conservation program that involves monitoring noise to which workers are exposed, ensuring that workers are made aware of overexposure to noise, and periodically testing the workers' hearing to detect any degradation.

5.3.2 State

5.3.2.1 Office of Planning and Climate Innovation Guidelines for Noise Compatible Land Use

The State of California has not adopted Statewide standards for environmental noise, but the Governor's Office of Planning and Climate Innovation has established guidelines for evaluating the compatibility of various land uses as a function of community noise exposure, as presented in Figure 2 (on page 17). The purpose of these guidelines is to maintain acceptable noise levels in a community setting for different land use types. Noise levels are divided into four general categories, which vary in range according to land use type: "normally acceptable," "conditionally acceptable," "normally unacceptable," and "clearly unacceptable." The City of Los Angeles (City) has developed its own compatibility guidelines in the Noise Element of the General Plan based in part on the Office of Planning and Climate Innovation Guidelines. California Government Code Section 65302 requires each county and city in the State to prepare and adopt a comprehensive long-range general plan for its physical development, with Section 65302(f) requiring a noise element to be included in the general plan. The noise element must identify and appraise noise problems in the community and analyze and quantify current and projected noise levels.

The State has also established noise insulation standards for new multi-family residential units, hotels, and motels. These requirements are collectively known as the California Noise Insulation Standards (Title 24 of the California Code of Regulations [CCR]). The noise insulation standards set forth an interior standard of 45 dBA CNEL in any habitable room. The standards require an acoustical analysis demonstrating how dwelling units have been designed to meet this interior standard where such units are proposed in areas subject to exterior noise levels greater than 60 dBA CNEL. Title 24 standards are typically enforced by local jurisdictions through the building permit application process.

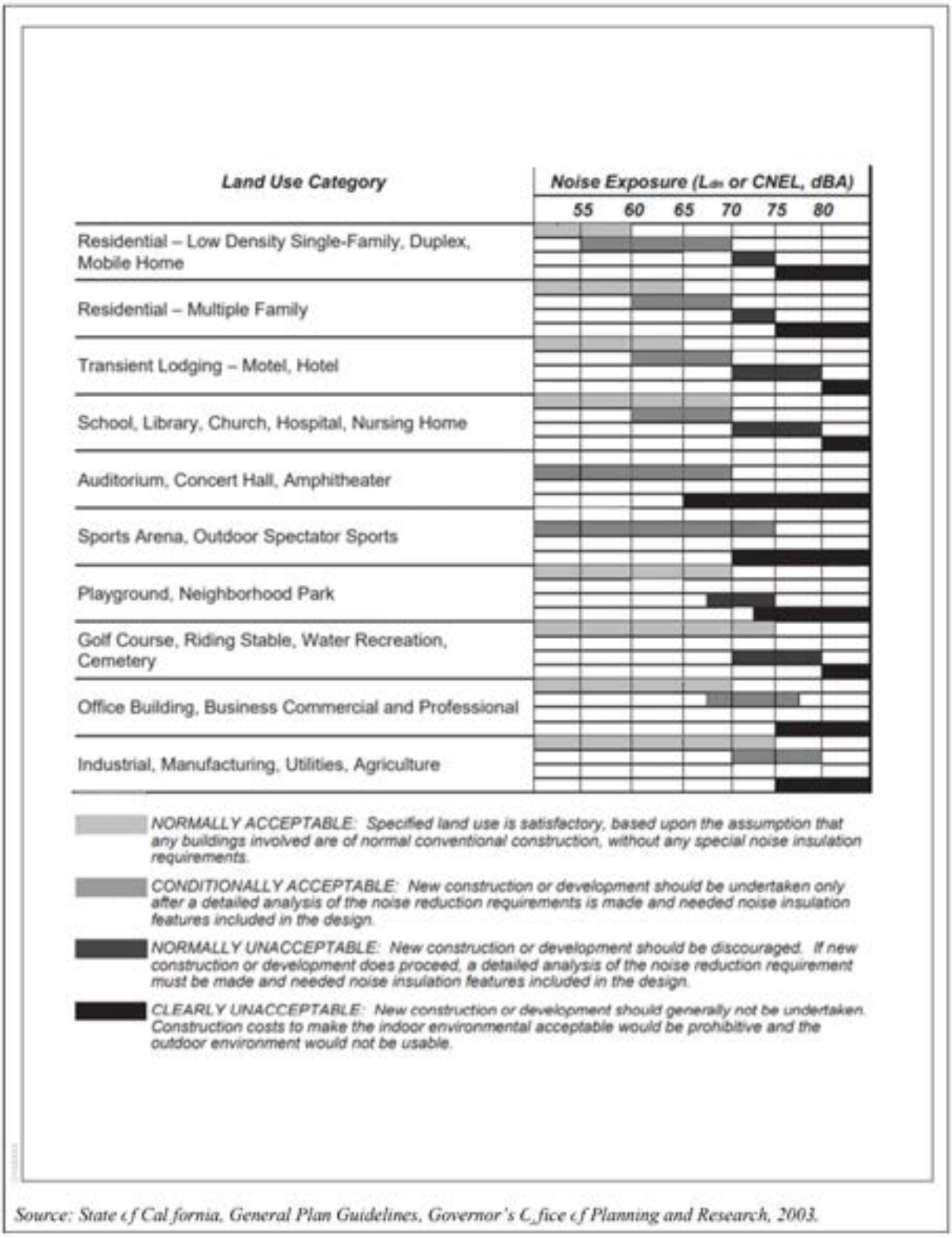
The State of California's noise insulation standards for nonresidential uses are provided in the California Code of Regulations, Title 24, Building Standards Administrative Code, Part 11, California Green Building Standards (CALGreen) Code. The CALGreen Code noise standards are applied to new or renovation construction projects in California to control interior noise levels resulting from exterior noise sources. Proposed projects may use either the prescriptive method (CALGreen Code Section 5.507.4.1) or the performance method (CALGreen Code Section 5.507.4.2) to show compliance. Under the prescriptive method, a project must demonstrate transmission loss ratings for the wall and roof-ceiling assemblies and exterior windows when located within a noise environment of 65 dBA CNEL or higher. Under the performance method, a project must demonstrate that interior noise levels do not exceed 50 dBA $L_{eq(1hr)}$.

5.3.2.2 Caltrans Criteria for Building Damage

Caltrans uses specific criteria to assess potential building damage associated with construction activities. Specifically, Table 19 of its Transportation and Construction Vibration Guidance Manual includes the following criteria for building damage based on building type:

- Fragile Buildings: 0.1 PPV
- Historic Buildings: 0.25 PPV
- Older Residential Structures: 0.3 PPV
- New Residential Structures: 0.5 PPV
- Modern Industrial/Commercial Buildings: 0.5 PPV

These criteria are used in the analysis below.



Source: State of California, General Plan Guidelines, Governor's Office of Planning and Research, 2003.

Figure 2. Guidelines for Noise Compatibility Land Use

5.3.3 Local

5.3.3.1 City of Los Angeles General Plan Noise Element

The overall purpose of the Noise Element of the General Plan is to guide policymakers in making land use determinations and adopting noise ordinances that would limit exposure of citizens to excessive noise levels. The following policies and objectives from the Noise Element of the General Plan are applicable to the Project:[11]

1. Objective 2 (Non-airport): Reduce or eliminate non-airport related intrusive noise, especially relative to noise-sensitive uses.

2. Policy 2.1: Enforce and/or implement applicable City, State, and federal regulations intended to mitigate proposed noise producing activities, reduce intrusive noise and alleviate noise that is deemed a public nuisance.

3. Objective 3 (Land Use Development): Reduce or eliminate noise impacts associated with proposed development of land and changes in land use.

4. Policy 3.1: Develop land use policies and programs that will reduce or eliminate potential and existing noise impacts.

Table 2 (on page 19) provides the exterior noise standard associated with various land uses, as provided in the City's Noise Element. According to the City, an exterior noise environment up to 70 dBA CNEL is "conditionally acceptable" for noise sensitive uses (e.g., residential, hotel, school). In addition, noise levels up to 75 dBA CNEL are "normally unacceptable", while noise levels at 75 dBA CNEL and above are "clearly unacceptable" for residential.

[11] *City of Los Angeles, Noise Element of the Los Angeles City General Plan, adopted February 3, 1999.*

Table 2. City of Los Angeles Noise Land Use Compatibility

Land Use	Day-Night Average Exterior Sound Level (CNEL dBA)						
	50	55	60	65	70	75	80
Residential Single Family, Duplex, Mobile Home	A	C	C	C	N	U	U
Residential Multi-Family	A	A	C	C	N	U	U
Transient Lodging, Motel, Hotel	A	A	C	C	N	U	U
School, Library, Church, Hospital, Nursing Home	A	A	C	C	N	N	U
Auditorium, Concert Hall, Amphitheater	C	C	C	C/N	U	U	U
Sports Arena, Outdoor Spectator Sports	C	C	C	C	C/U	U	U
Playground, Neighborhood Park	A	A	A	A/N	N	N/U	U
Golf Course, Riding Stable, Water Recreation, Cemetery	A	A	A	A	N	A/N	U
Office Building, Business, Commercial, Professional	A	A	A	A/C	C	C/N	N
Agriculture, Industrial, Manufacturing, Utilities	A	A	A	A	A/C	C/N	N

[1] *A - Normally Acceptable: Specified land use is satisfactory, based upon the assumption that any buildings involved are of normal conventional construction without any special noise insulation requirements.*

[2] *C - Conditionally Acceptable: New construction or development should be undertaken only after a detailed analysis of the noise reduction requirements is made and needed noise insulation features included in the design. Conventional construction, but with closed windows and fresh air supply systems or air conditioning will normally suffice.*

[3] *N - Normally Unacceptable: New construction or development should generally be discouraged. If new construction or development does proceed, a detailed analysis of the noise reduction requirements must be made and needed noise insulation features included in the design.*

[4] *U - Clearly Unacceptable: New construction or development should generally not be undertaken.*

Source: City of Los Angeles, General Plan Noise Element, adopted February 1999.

5.3.3.2 City of Los Angeles Municipal Code

Chapter XI, Noise Regulation, of the LAMC (referred to herein as the Noise Regulations) establishes acceptable ambient sound levels and is intended to regulate intrusive noises (e.g., stationary mechanical equipment and vehicles other than those traveling on public streets) within specific land use zones and to provide procedures and criteria for the measurement of the sound level of noise sources. These procedures recognize and account for differences in the perceived level of different types of noise and/or noise sources. In accordance with the Noise Regulations, a noise level increase from certain regulated noise sources of 5 dBA over the existing or presumed ambient noise level at an adjacent property line is considered a

violation of the Noise Regulations. The 5-dBA increase above ambient is applicable to City-regulated noise sources (e.g., mechanical equipment), and is applicable any time of the day.[12]

The Noise Regulations state that the baseline ambient noise environment shall be the actual measured ambient noise level or the City's presumed ambient noise level, whichever is greater. The actual ambient noise level is the measured noise level averaged over a period of at least 15 minutes, L_{eq} (15-minute). The Noise Regulations state that in cases where the actual measured ambient conditions are not known, the City's presumed daytime (7:00 A.M. to 10:00 P.M.) and nighttime (10:00 P.M. to 7:00 A.M.) ambient noise levels defined in Section 111.03 of the LAMC should be used. The City's presumed ambient noise levels for specific land use zones, as set forth in LAMC Section 111.03, are provided in Table 3 (below).

Table 3. City of Los Angeles Presumed Ambient Noise Levels

Zone	Daytime (7:00 A.M. to 10:00 P.M.) dBA (L_{eq})	Nighttime (10:00 P.M. to 7:00 A.M.) dBA (L_{eq})
Residential, School, Hospitals, Hotels	50	40
Commercial	60	55
Manufacturing (M1, MR1, and MR2)	60	55
Heavy Manufacturing (M2 and M3)	65	65

Source: LAMC Section 111.03.

The Noise Regulations also address off-road vehicle-related noise, including in Section 114.02, which prohibits the operation of any motor-driven vehicles upon any property within the City in a manner that would cause the noise level on the premises of any occupied residential property to exceed the ambient noise level by more than 5 dBA, and in Section 114.06, which requires that vehicle theft alarm systems be silenced within five minutes.

LAMC Section 112.01 limits noise from amplified voice and music and prohibits the operation of such devices (e.g., radio, musical instrument, phonograph, television receiver, or other machine) or other sounds in such a manner as to disturb the peace, quiet, and comfort of neighbors. Specifically, noise from such uses or operation that is audible at a distance in excess of 150 feet from the property line of the noise source within a residential zone of the City or within 500 feet thereof is prohibited.

LAMC Section 112.02 limits increases in noise levels from air conditioning, refrigeration, heating, pumping and filtering equipment. Such equipment may not be operated in such a manner as to create any noise which would cause the noise level on the premises of any other

[12] *Los Angeles Municipal Code, Chapter XI, Section 112.02.*

occupied property, or, if a condominium, apartment house, duplex, or attached business, within any adjoining unit, to exceed the ambient noise level by more than 5 dB.

LAMC Section 112.05 set a maximum noise level from construction equipment (powered equipment or powered hand tools) operating between the hours of 7:00 A.M. and 10:00 P.M., in any residential zone of the City or within 500 feet thereof, of 75 dBA, measured at a distance of 50 feet from the source, unless compliance with this limitation is technically infeasible.[13] Section 41.40 of the LAMC prohibits construction noise that disturbs persons occupying sleeping quarters in any dwelling, hotel, or apartment or other place of residence between the hours of 9:00 P.M. and 7:00 A.M. Monday through Friday, before 8:00 A.M. and after 6:00 P.M. on Saturday or national holiday, and at any time on Sunday. Construction hours may be extended with approval from the Executive Director of the Board of Police Commissioners.

LAMC Section 113.01 prohibits collecting or disposing of rubbish or garbage, operating any refuse disposal truck, or collecting, loading, picking up, transferring, unloading, dumping, discarding, or disposing of any rubbish or garbage, as such terms are defined in LAMC Section 66.00, within 200 feet of any residential building between the hours of 9:00 P.M. and 6:00 A.M. of the following day, unless a permit has been duly obtained beforehand from the Board of Police Commissioners.

LAMC Section 91.1206.14.2 prohibits interior noise levels attributable to exterior sources from exceeding 45 dBA in any habitable room. The noise metric shall be either the day-night average sound level (Ldn) or the CNEL, consistent with the noise element of the local general plan.

With regard to vibration, LAMC Section 91.3307.1 states, "Adjoining public and private property shall be protected from damage during construction, remodeling, and demolition work. Protection must be provided for footings, foundations, party walls, chimneys, skylights, and roofs. Provisions shall be made to control water runoff and erosion during construction or demolition activities."

With respect to construction noise and vibration, the City recently published and adopted a Construction Noise and Vibration Updates to Thresholds and Methodology Report. This document provides updated construction noise and vibration thresholds to be used in assessing environmental impacts of projects in accordance with CEQA. These updated thresholds are included below.

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[13] *In accordance with the Noise Regulations (LAMC Chapter XI, Section 112.05), "technically feasible" means that the established noise limitations can be complied with at a project site, with the use of mufflers, shields, sound barriers, and/or other noise reduction devices or techniques employed during the operation of equipment.*

5.4 Existing Conditions

The predominant source of noise in the vicinity of the Project Site is vehicular traffic on adjacent roadways, particularly along Alameda Street and 7th Street, which have high volumes of traffic. Other ambient noise sources in the vicinity of the Project Site include industrial activities (e.g., truck loadings); commercial activities; surface parking lot activities; and other miscellaneous noise sources associated with typical urban activities such as human voices, overhead aircraft, and emergency vehicle sirens.

5.4.1.1 Noise-Sensitive Receptors

Some land uses are considered more sensitive to intrusive noise than others based on the types of activities typically engaged in at those land uses. The Noise Element defines noise-sensitive land uses as single-family and multi-unit dwellings, long-term care facilities (including convalescent and retirement facilities), dormitories, motels, hotels, transient lodging, and other residential uses; houses of worship; hospitals; libraries; schools; auditoriums; concert halls; outdoor theaters; nature and wildlife preserves; and parks. In addition, based on the updates to the City's construction noise and vibration thresholds and methodology, recording studios are also considered a sensitive use relative to construction vibration impacts.

Based on a review of the land uses in the vicinity of the Project Site, four (4) noise receptor locations were selected to represent existing noise-sensitive uses within 500 feet of the Project Site (receptor locations R1 through R4). These locations represent areas with land uses that could qualify as noise-sensitive uses according to the definition above. As discussed below, noise measurements were conducted at the four off-site locations to establish baseline noise conditions in the vicinity of the Project Site. In addition, the measurement locations provide an adequate basis to evaluate potential noise impacts at other sensitive receptors located beyond the measurement location in the same direction from the Project Site. The locations of the four off-site noise-sensitive receptor locations are shown on Figure 3 (on page 23) and described in Table 4 (on page 25).

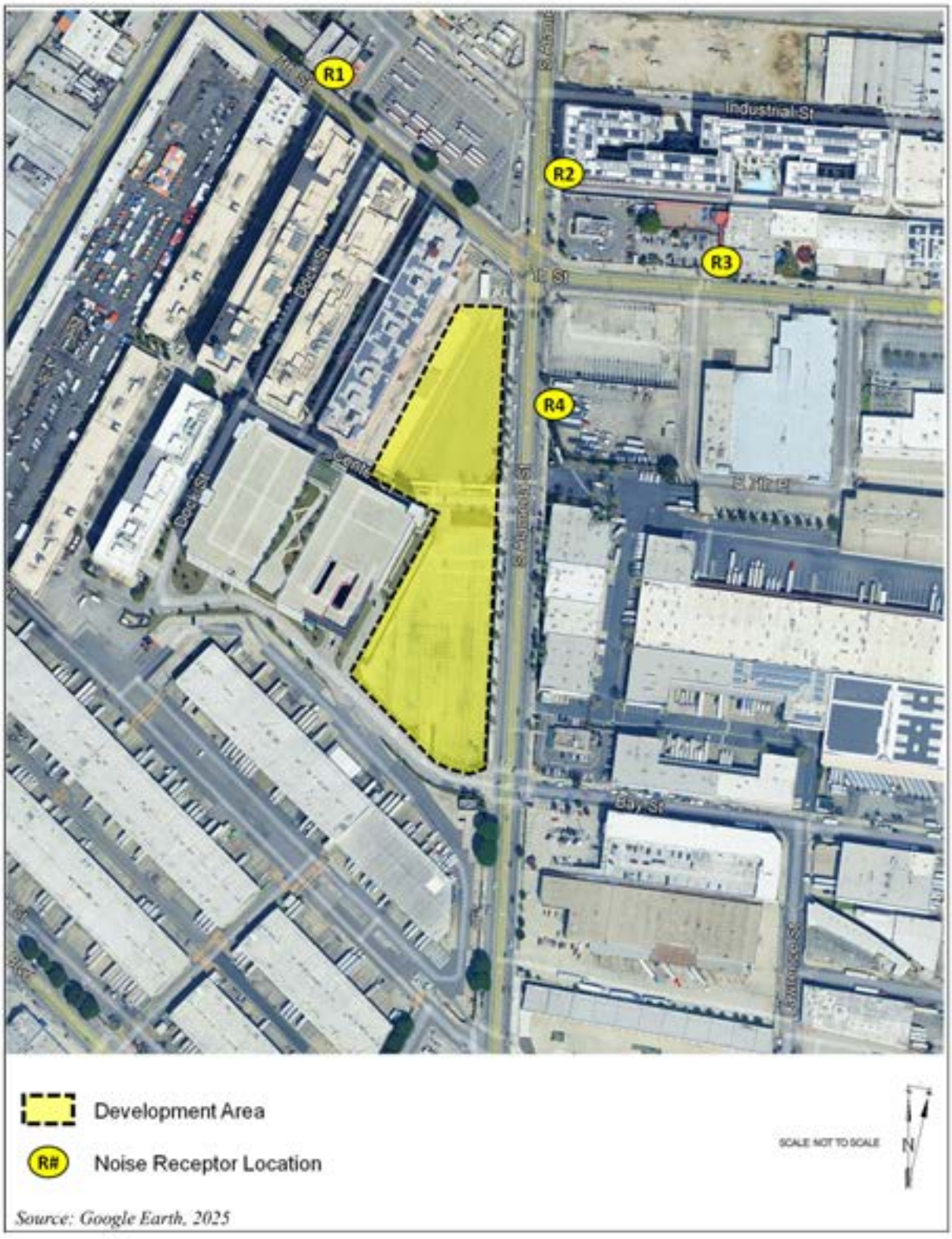

Figure 3. Noise Measurement Locations

5.4.1.2 Ambient Noise Levels

Ambient noise measurements were taken at the four selected off-site locations on January 13, 2025. The baseline noise monitoring program was conducted, using a Larson-Davis Model 870 and a Quest Technologies Model 2900 Integrating/Logging Sound Level Meters.[14] A 24-hour measurement was recorded at receptor location R1.[15] Two 15-minute measurements were conducted at each of the remaining receptor locations during daytime and nighttime hours. The daytime ambient noise levels were measured between 10:00 A.M. and 12:00 P.M., and the nighttime ambient noise levels were measured between 10:00 P.M. and 12:00 A.M. The ambient noise measurements procedure followed the City's standards, which require ambient noise to be measured over a period of at least 15 minutes.[16]

The results of the ambient sound measurements are summarized in Table 4 (on page 25). Based on field observations, the current ambient noise at the measurement locations is dominated by local traffic and, to a lesser extent, helicopter flyovers and other typical urban noises. As indicated in Table 4, the existing daytime ambient noise levels at the off-site noise receptor locations ranged from 67.9 dBA (L_{eq}) at receptor location R2 to 73.4 dBA (L_{eq}) at receptor locations R1 and R3. The measured nighttime ambient noise levels ranged from 62.9 dBA (L_{eq}) at receptor location R2 to 72.0 dBA (L_{eq}) at receptor location R1. Thus, the existing ambient noise levels at all off-site locations are above the City's presumed daytime and nighttime ambient noise levels of 50 dBA (L_{eq}) and 40 dBA (L_{eq}), respectively, for residential, school, and hotel uses. Consistent with the LAMC, the measured existing ambient noise levels are used as the baseline conditions for purposes of determining the Project's potential noise impacts.

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[14] *These sound meters meet the minimum industry standard performance requirements for "Type 1" (Larson-Davis Model 870) and "Type 2" (Quest Technologies Model 2900) standard instruments as defined in the American National Standard Institute (ANSI) S1.4. It also meets the requirement specified in Section 111.01(i) of the LAMC that instruments be "Type S2A" standard instruments or better. The sound meter was calibrated prior to the measurements and operated according to the manufacturer's written specifications.*

[15] *A 24-hour measurement is typically conducted at one receptor location to obtain the pattern and validate the noise measurements at other receptor locations.*

[16] *LAMC Section 111.01.*

Table 4. Existing Ambient Noise Levels

Receptor Location	Approximate Distance to Project Site,[a] Feet	Measured Ambient Noise Levels, dBA L_{eq}	
		Daytime Hours (7 A.M. to 10 P.M.)	Nighttime Hours (10 P.M. to 7 A.M.)
R1 – Hotel use located on the north side of 7th Street, northwest of the Project Site	580	73.4[b]	72.0[b]
R2 – Multi-family residential use located on the east side of Alameda Street, northeast of the Project Site	320	67.9	62.9
R3 – School use located on the north side of 7th Street, northeast of the Project Site	485	73.4	64.2
R4 – Proposed studio use located on the east side of Alameda Street, east of the Project Site	105	70.4	64.5

[a] Distances are estimated based on Google Earth map and are referenced to the Project nearest boundary.
[b] Levels shown for R1 represent the average for the entire daytime and nighttime periods.
Source: AES, 2025; Detail measurements data are provided in Appendix A.

5.4.1.3 Existing Ground-Borne Vibration Levels

Based on field observations, the primary source of existing ground-borne vibration in the vicinity of the Project Site, including the Development Area, is vehicular travel (e.g., standard cars, refuse trucks, delivery trucks, construction trucks, school buses, and buses) on local roadways. According to the FTA technical study "Federal Transit Administration: Transit Noise and Vibration Impacts Assessments," typical road traffic-induced vibration levels are unlikely to be perceptible by people. Specifically, the FTA study reports that "[i]t is unusual for vibration from sources such as buses and trucks to be perceptible, even in locations close to major roads." Trucks and buses typically generate ground-borne vibration velocity levels of around 63 VdB (at 50 feet distance), and these levels could reach 72 VdB when trucks and buses pass over bumps in the road. Per the FTA, 75 VdB is the dividing line between barely perceptible (with regards to ground vibration) and distinctly perceptible.[17] Therefore, existing ground vibration is generally below the perceptible level. However, ground vibration associated with heavy trucks traveling on road surfaces with irregularities, such as speed bumps and potholes, could reach the perceptible threshold.

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[17] *FTA, "Transit Noise and Vibration Impact Assessment," Table 5-5, September 2018.*

5.4.2 Construction Noise

In accordance with the Updates to Thresholds and Methodology for Construction Noise and Vibration, a project would normally have a significant impact on noise levels from construction if:

- During daytime hours (between 7:00 A.M. to 7:00 P.M. Monday through Friday and between 8:00 A.M. to 6:00 P.M. on Saturday), project construction-related noise exceeds 80 dBA $L_{eq(8\text{-hour})}$ at sensitive uses[18] (at the property line with outdoor uses or at the exterior of the building).
- During nighttime hours (between 7:00 P.M. to 7:00 A.M. Monday through Friday and between 6:00 P.M. to 8:00 A.M. on Saturdays, and anytime on Sundays or national holidays), project construction-related noise level at sensitive uses[19] where sleep is expected exceeds the following:
  - 55 dBA $L_{eq(1\text{-hour})}$ for sensitive uses within older buildings that would have operable windows that may be open,
  - 65 dBA $L_{eq(1\text{-hour})}$ for sensitive uses with windows closed and are single-glazed, or
  - 70 dBA $L_{eq(1\text{-hour})}$ for sensitive uses that have newer construction (i.e., the structures have been designed to ensure that an interior 45 dBA is obtained with double-paned windows).

  Mat pour activities (and other types of concrete pour, which require an extended continuous pour beyond the allowable construction hours) that are required to occur during nighttime hours for less than five days are exempt from this threshold; or
- During nighttime hours (between 7:00 P.M. to 7:00 A.M. Monday through Friday and between 6:00 P.M. to 8:00 A.M. on Saturdays, and anytime on Sundays or national holidays) project construction-related noise results in a 5 dBA increase above the ambient noise level at nighttime noise-sensitive uses (at the property line with outdoor uses are at the exterior of the building). Mat pour activities (and other types of concrete pour, which

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[18] *Daytime noise-sensitive uses include single-family and multi-unit dwellings, long-term care facilities (including convalescent and retirement facilities), dormitories, motels, hotels, transient lodging, and other residential uses; places of assembly including churches or houses of worship; hospitals; libraries; schools; auditoriums; concert halls; outdoor theaters; nature and wildlife preserves; outdoor public recreational areas; and parks. This definition does not include private residential balconies which may or may not extend past the exterior of a building, or to private outdoor spaces.*

[19] *Nighttime noise sensitive uses include single-family and multi-unit dwellings, long-term care facilities (including convalescent and retirement facilities), dormitories, motels, hotels, transient lodging, and other residential uses; nature and wildlife preserves; outdoor public recreational areas; and parks. This definition does not apply to private residential balconies or private outdoor spaces.*

required an extended continuous pour beyond the allowable construction hours) that are required to occur during nighttime hours for less than five days are exempt from this threshold.

5.4.3 Operational Noise

Per Mitigation Measure 4.10-2 of the Program EIR, the only operational noise impacts that should be evaluated when using the Housing Element Checklist are those associated with outdoor amplification systems within roof decks/pool decks. Noise impacts from operation of amplification systems from roof decks/pool decks would be significant if:

- The Project causes the ambient noise levels measured at the property line of affected noise-sensitive uses to increase by 3 dBA in CNEL in an unacceptable land use category ("normally unacceptable" or "clearly unacceptable" or 5 dBA in an acceptable land use category ("normally acceptable" or "conditionally acceptable"), per the City's land use category guidelines (see Table 2 on page 19 for a description of these categories); or
- The Project increases the ambient noise level (hourly L_{eq}) at noise-sensitive uses by 5 dBA and more.

5.4.4 Ground-borne Vibration Standards and Guidelines

The Updates to Thresholds and Methodology for Construction Noise and Vibration provides vibration limits based on Caltrans' and FTA's guidelines to evaluate potential vibration impacts related to building damage and human annoyance, respectively.[20,21] Based on Caltrans' guidance, impacts relative to ground-borne vibration associated with potential building damage would be considered significant if any of the following events were to occur:

- Project construction activities cause groundborne vibration levels to exceed the following building damage thresholds for identified structures:
  - Fragile Buildings: 0.1 PPV
  - Historic Buildings: 0.25 PPV
  - Older Residential Structures: 0.3 PPV
  - New Residential Structures: 0.5 PPV

    Modern Industrial/Commercial Buildings: 0.5 PPV

[20] *Caltrans, Transportation and Construction Vibration Guidance Manual, September 2013.*

[21] *FTA, Transit Noise and Vibration Impact Assessment Manual, September 2018.*

Based on FTA guidance, construction vibration impacts associated with human annoyance would be significant if the following were to occur:

- During nighttime hours (between 7:00 P.M. to 7:00 A.M. Monday through Friday and between 6:00 P.M. to 8:00 A.M. on Saturdays, and anytime on Sundays or national holidays), project construction activities generate groundborne vibration levels that exceed 80 VdB at the exterior of a sensitive use building.

There is no threshold for human annoyance when construction activities occur during the hours permitted by the LAMC (i.e., during daytime hours between 7:00 A.M. to 7:00 P.M. Monday through Friday and between 8:00 A.M. to 6:00 P.M. on Saturday).

5.5 Methodology

5.5.1 On-Site Construction Activities

Noise impacts due to on-site construction activities associated with the Project were evaluated by calculating the construction-related noise levels at representative sensitive receptor locations and comparing these estimated construction-related noise levels associated with construction of the Project to the 80-dBA ($L_{eq(8\text{-hour})}$) significance threshold. Construction noise associated with the Project was analyzed based on the Project's potential construction equipment inventory, construction durations, and construction schedule. The construction noise model for the Project is based on construction equipment noise levels as published by the FHWA's "Roadway Construction Noise Model (FHWA 2006)."[22] These maximum noise levels would occur when equipment is operating under full power conditions (i.e., the equipment engine at maximum speed). However, equipment used on a typical construction site often operates under less than full power conditions, or part power. To more accurately characterize construction-period noise levels, the 8-hour average ($L_{eq(8\text{-hour})}$) noise level associated with each construction stage is calculated based on the quantity, type, and usage factors for each type of equipment that would be used during each construction stage.[23] These noise levels are typically associated with multiple pieces of equipment operating simultaneously. The on-site construction-related noise levels were calculated by distributing all construction equipment over the entire construction site. The on-site construction noise levels were calculated using the SoundPLAN (version 8.2) computer noise prediction model.[24]

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[22] *The reference noise levels for construction equipment from the FHWA are based on measurements of newer construction equipment (published in 2006), rather than the noise levels from the USEPA report referenced in the L.A. CEQA Thresholds Guide (published in 1971).*

[23] *Pursuant to the FHWA Roadway Construction Noise Model User's Guide, 2006, page 7, the usage factor is the percentage of time during a construction noise operation that a piece of construction is operating at full power.*

[24] *SoundPLAN GmbH, SoundPLAN version 8.2, 2020.*

SoundPLAN is widely used by acoustical engineers as a noise modeling tool for environmental noise analysis. The ambient noise levels at surrounding sensitive receptor locations were based on field measurement data (see Table 4 on page 25).

5.5.2 Off-Site Construction Haul Trucks

Off-site construction noise impacts from haul trucks associated with the Project were analyzed using FHWA's TNM. The TNM is the current Caltrans standard computer noise model for traffic noise studies. The noise model allows for the input of roadways, noise receivers, and sound barriers, if applicable. The construction-related off-site truck volumes were obtained from the Transportation Assessment prepared for the Project. The TNM calculates the hourly L_{eq} noise levels generated by construction-related haul trucks. Noise impacts were determined by comparing the predicted noise level of construction-related haul trucks plus the ambient noise levels with that of the existing ambient noise levels along the Project's anticipated haul route(s).

5.5.3 On-Site Stationary Noise Sources (Operation)

The Project's potential on-site stationary point-source noise impacts were evaluated by (1) identifying the noise levels that would be generated by the Project's stationary noise sources, i.e., outdoor activities (e.g., use of the outdoor roof deck and terraces and the use of amplified sound systems); (2) calculating the noise level from each noise source at the identified surrounding representative sensitive-receptor property line locations; and (3) comparing such noise levels to the measured ambient noise levels to determine significance. The on-site stationary noise sources were calculated using SoundPLAN computer noise prediction model.

5.5.4 Construction Vibration

Ground-borne vibration impacts due to the Project's construction activities were evaluated by identifying potential vibration sources (i.e., construction equipment), estimating the vibration levels at the identified representative sensitive-receptor locations, and comparing the Project's vibration levels at those locations to the applicable vibration significance criteria, as described below. Vibration levels were calculated based on the Caltrans published standard vibration velocities for various construction equipment operations. The vibration velocities were calculated based on a point source with standard distance propagation conditions, pursuant to Caltrans procedures. Construction of the Project would not use impact pile driving methods and as such, impact pile driving vibration is not included in this construction vibration analysis.[25]

[25] *Caltrans, "Transportation and Construction Vibration Guidance Manual", September 2013 .*

5.6 Project Design Feature

The following project design feature is proposed with regard to noise:

Project Design Feature PDF-NOI-1: Outdoor amplified sound systems, if any, will be designed so as not to exceed the maximum noise level of 80 dBA ($L_{eq\text{-}1hr}$) at a distance of 15 feet from the amplified speaker sound systems at the Level 2 and Level 8 outdoor spaces so as to comply with the noise levels specified by the LAMC. A qualified noise consultant will provide written documentation at plan check that the design of the system complies with these maximum noise levels.

5.7 Analysis of Project Impacts

5.7.1 Construction Noise

Project construction is anticipated to commence in June 2026 and be completed in August 2032. Construction of the Project would commence with the site preparation/ demolition of existing surface parking, followed by grading and excavation, building foundations, building construction, paving/concrete installation, and landscape installation. In accordance with LAMC requirements, construction activities generally would be permitted to occur Monday through Friday from 7:00 A.M. to 9:00 P.M. and between 8:00 A.M. and 6:00 P.M. on Saturday or on national holidays, or outside of these hours if an after-hours construction permit is approved by the Los Angeles Board of Police Commissioners. Construction delivery/haul trucks would travel on approved truck routes between the Project Site and the I-10 Freeway. Trucks leaving the Project Site are anticipated to exit on Alameda Street and head south to the Freeway I-10 eastbound. Trucks coming to the Project Site are anticipated to exit the I-10 westbound at Alameda Street, head north on Alameda Street to the Project Site.

5.7.1.1 On-Site Construction Noise

Noise impacts from Project-related construction activities occurring within or adjacent to the Development Area would be a function of the noise generated by construction equipment, the location of the equipment, the timing and duration of the noise-generating construction activities, and the relative distance to noise-sensitive receptors. Construction activities for the Project would generally include demolition of surface parking areas, site grading and excavation, building foundation, building construction, and paving/landscape. Each stage of construction would involve the use of various types of construction equipment and would, therefore, have its own distinct noise characteristics. Demolition generally involves the use of backhoes, front-end loaders, and heavy-duty trucks. Grading and excavation typically require the use of earth-moving equipment, such as excavators, front-end loaders, and heavy-duty trucks. Building construction typically involves the use of cranes, forklifts, concrete trucks, pumps, and delivery trucks. Noise from construction equipment would generate both steady-

state and episodic noise that could be heard within and adjacent to the Project Site. In addition, Project construction phases would have the potential to overlap. Therefore, overlapping construction noise activities were evaluated to determine the potential impacts

Individual pieces of construction equipment that would typically be used for construction produce maximum noise levels of 74 dBA to 90 dBA at a reference distance of 50 feet from the construction equipment, as shown in Table 5 (on page 32). The construction equipment noise levels produced at the 50-foot distance (Reference Maximum Noise Levels at 50 Feet) shown in Table 5 are taken from the FHWA Roadway Construction Noise Model User's Guide (RCNM, 2006), which is a technical report containing actual measured noise data for construction equipment.[26] These maximum noise levels would occur when equipment is operating under full power conditions (i.e., the equipment engine at maximum speed). However, equipment used on construction sites often operates under less than full power conditions, or part power. To characterize construction-period noise levels more accurately, the 8-hour average ($L_{eq(8\text{-hour})}$) noise level associated with each construction stage is calculated based on the quantity, type, and usage factors for each type of equipment that would be used during each construction stage.[27] These noise levels are typically associated with multiple pieces of equipment operating simultaneously.

Table 6 (on page 33) provides the estimated construction noise levels for various construction phases at the four off-site noise-sensitive receptor locations. As indicated in Table 6, the estimated noise levels during all stages of Project construction, would be below the significance threshold at all off-site receptor locations. In addition, as discussed above, construction would not occur during nighttime hours and thus would not exceed the nighttime construction thresholds above.

The construction phases of the Project would have the potential to overlap. Therefore, overlapping construction noise activities were evaluated to determine the potential impacts. Construction noise impacts associated with the overlapping construction are provided in Table 7 (on page 34). As indicated in Table 7, the estimated noise levels due to overlapping construction activities would be below the significance thresholds at all off-site receptor locations. Therefore, temporary noise impacts associated with the Project's on-site construction would be less than significant.

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[26] *FHWA, Roadway Construction Noise Model User's Guide, 2006.*

[27] *Pursuant to the FHWA Roadway Construction Noise Model User's Guide, 2006, the usage factor is the percentage of time during a construction noise operation that a piece of construction is operating at full power.*

Table 5. Construction Equipment Noise Emission Reference Levels and Usage Factors

Type of Equipment	Acoustical Usage Factor (%)	Reference Maximum Noise Levels at 50 Feet,[a] L_{max} (dBA)
Air Compressor	40	78
Aerial Lift	10	75
Cement and Mortar Mixers	50	85
Concrete Mixer Truck	40	79
Concrete Saw	20	90
Crane	16	81
Delivery Truck	40	74
Dozer	40	82
Drill Rig	20	84
Dump/Haul Truck	40	76
Excavator	40	81
Forklift	20	75
Generator	50	84
Paving Equipment	50	77
Plate Compactor	30	83
Pump	50	81
Rollers	20	80
Rought Terrain Forklift	40	83
Rubber Tired Loader	40	79
Tractors/Loader/Backhoe	40	84
Water Truck	10	82
Welders	40	74

[a] *Construction equipment noise levels are based on the FHWA RCNM.*
Source: FHWA Roadway Construction Noise Model User's Guide, Table 1, 2006

Table 6. On-Site Construction Noise Impacts by Construction Phase

Off-Site Receptor Location	Estimated Noise Levels by Construction Phase,[a] dBA ($L_{eq(8\text{-hour})}$)					Significance Criteria,[b] dBA ($L_{eq(8\text{-hour})}$)	Maximum Noise Exceedance Above the Criteria, dBA ($L_{eq(8\text{-hour})}$)	Significant Impact Without Mitigation?
	Demo.	Grading	Building Foundation/ Structure	Building Construction/ Interior	Paving/ Landscape			
South Lot Building B (06/2026 to 08/2028)								
R1	36.3	36.6	40.9	22.0	36.8	80.0	0.0	No
R2	56.7	57.0	61.4	42.4	57.2	80.0	0.0	No
R3	56.2	56.4	60.8	41.9	56.7	80.0	0.0	No
R4	62.7	62.9	67.3	48.4	63.1	80.0	0.0	No
South Lot Building A (03/2027 to 09/2029)								
R1	36.9	36.1	40.5	24.9	35.0	80.0	0.0	No
R2	56.9	56.0	60.6	44.8	55.0	80.0	0.0	No
R3	55.7	54.9	59.4	43.7	53.8	80.0	0.0	No
R4	61.0	60.2	64.7	49.0	59.1	80.0	0.0	No
North Lot (06/2030 to 08/2032)								
R1	36.9	37.1	40.6	20.5	36.1	80.0	0.0	No
R2	60.9	61.0	64.6	44.4	60.0	80.0	0.0	No
R3	58.7	58.8	62.4	42.2	57.8	80.0	0.0	No
R4	68.7	68.9	72.4	52.3	67.9	80.0	0.0	No

[a] Estimated noise levels do not include mitigation measures, as specified in the Program EIR.
[b] Significance criteria is an absolute noise level based on the City's Construction Noise and Vibration Updates to Thresholds and Methodology, August 2024.
Source: AES, 2025, See Appendix B.

Table 7. On-Site Construction Noise Impacts – Overlapping Construction

Overlapping Construction Phases	Estimated Construction Noise Levels at Off-Site Receptor Location,[a] ($L_{eq(8\text{-hour})}$ (dBA))				Significance Criteria,[b] ($L_{eq(8\text{-hour})}$ (dBA))	Maximum Noise Exceedance Above the Criteria ($L_{eq(8\text{-hour})}$ (dBA))	Significant Impact Without Mitigation?
	R1	R2	R3	R4			
SB Demo + SB Grading	39.5	59.9	59.3	65.8	80.0	0.0	No
SB Foundation + SB Interior	41.0	61.5	60.9	67.4	80.0	0.0	No
SB Foundation + SB Interior + SA Demo	42.4	62.8	62.0	68.3	80.0	0.0	No
SB Interior + SB Landscape	36.9	57.3	56.8	63.2	80.0	0.0	No
SB Interior + SA Grading	39.5	59.7	58.9	64.9	80.0	0.0	No
SB Interior + SA Foundation + SA Interior	40.7	60.8	59.6	64.9	80.0	0.0	No
SB Interior + SB Landscape + SA Interior	37.2	57.6	57.0	63.4	80.0	0.0	No
SA Foundation + SA Interior	40.6	60.7	59.5	64.8	80.0	0.0	No
SA Interior + SA Landscape	35.4	55.4	54.2	59.5	80.0	0.0	No

[a] *Estimated noise levels do not include mitigation measures, as specified in the Program EIR.*

[b] *Significance criteria is an absolute noise level based on the City's Construction Noise and Vibration Updates to Thresholds and Methodology, August 2024.*

Source: AES, 2025. See Appendix B.

5.7.1.2 Off-Site Construction Noise

In addition to on-site construction noise sources, other noise sources may include materials delivery, concrete mixing, and haul trucks (collectively called construction trucks), as well as construction worker vehicles accessing the Project Site during construction. Typically, construction trucks generate higher noise levels than construction worker vehicles. The major noise sources associated with off-site construction trucks would be from the material delivery/concrete/haul trucks. With regard to haul routes, as described above, construction haul trucks would travel between the Project Site and I-10 Freeway via Alameda Street.

The peak period (i.e., hourly truck trips) of construction with the highest number of construction trucks would occur during the building foundation phase. During this construction stage, there would be a maximum of approximately 124 haul/delivery trucks coming to and leaving the Project Site (equal to 248 total trips) per day. In addition, there would be up to approximately 100 concrete trucks (equal to 200 total trips) during the foundation/structure stage per day. There would also be approximately 10 to 150 construction worker trips traveling to and from the Project Site on a daily basis during the various construction stages. Construction workers are expected to arrive at the Project Site before construction starts and leave when construction ends. Therefore, construction workers vehicle noise would not overlap with Project construction equipment or trucks. In addition, the noise levels generated by construction worker vehicle trips would be lower than the construction truck trips.[28]

Table 8 (on page 36) provides the estimated number of construction-related truck trips, including haul/concrete/material delivery trucks, and the estimated noise levels along the anticipated truck route(s) associated with Project construction. As indicated in Table 8, the hourly noise levels generated by Project construction trucks would be below the 80-dBA ($L_{eq(8\text{-}hour)}$) allowable daytime significance threshold along the anticipated truck routes. As discussed above, the Project construction stages would have the potential to overlap. Therefore, noise levels due to off-site construction trucks associated with overlapping construction stages were evaluated to determine potential impacts.

Table 9 (on page 37) provides the estimated off-site construction trucks due to overlapping constructions. As indicated in Table 9, the estimated noise levels generated due to overlapping construction trucks would be below the 80-dBA ($L_{eq(8\text{-}hour)}$) allowable daytime significance threshold. In addition, as discussed above, construction would not occur during nighttime hours and thus would not exceed the nighttime construction thresholds above. Therefore, temporary noise impacts from off-site construction trucks along the haul routes would be less than significant.

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[28] *Based on 1NM noise model, a truck generates approximately 14 dBA louder than an automobile.*

Table 8. Off-Site Construction Noise Levels by Construction Phase

Construction Stage	Estimated Number of Construction Truck Trips per Day	Estimated Number of Construction Truck Trips per Hour[a]	Estimated Truck Noise Levels Along the Project Truck Routes ($L_{eq(8\text{-hour})}$ (dBA))
			Alameda Street
South Lot Building B (06/2026 to 08/2028)			
Demolition	24	4	54.4
Grading/Excavation	248	42	64.6
Building Foundation	160	14	59.9
Building Construction	36	5	55.4
Paving/Landscaping	30	4	54.4
South Lot Building A (03/2027 to 09/2029)			
Demolition	24	4	54.4
Grading/Excavation	246	41	64.5
Building Foundation	200	17	60.7
Building Construction	36	5	55.4
Paving/Landscaping	30	4	54.4
North Lot (06/2030 to 08/2032)			
Demolition	24	4	54.4
Grading/Excavation	246	41	64.5
Building Foundation	200	17	60.7
Building Construction	36	5	55.4
Paving/Landscaping	30	4	54.4
Significance Threshold ($L_{eq(8\text{-hour})}$ (dBA))[b]	**N/A**	**N/A**	**80.0**
Maximum Exceedance Over Significance Threshold ($L_{eq(8\text{-hour})}$ (dBA))	N/A	N/A	0.0
Significant Impact?	N/A	N/A	No

[a] *For construction trucks, the number of hourly trips is based on an hourly average, assuming a uniform distribution of trips over an 8-hour workday. Haul truck hourly trips during demolition and grading/excavation are based on 6 hours of hauling per day.*

[b] *Significance criteria is based on an absolute noise levels as set forth in the City's Construction Noise and Vibration Updates to Thresholds and Methodology, August 2024.*

Source: AES, 2025. See Appendix B.

Table 9. Off-Site Construction Noise Levels – Overlapping Construction

Construction Stage	Estimated Number of Construction Truck Trips per Day	Estimated Number of Construction Truck Trips per Hour[a]	Estimated Truck Noise Levels Along the Project Truck Routes ($L_{eq(8\text{-hour})}$ (dBA))
			Alameda Street
SB Demo + SB Grading	272	46	65.0
SB Foundation + SB Interior	196	19	61.2
SB Foundation + SB Interior + SA Demo	220	23	62.0
SB Interior + SB Landscape	66	9	57.9
SB Interior + SA Grading	282	46	65.0
SB Interior + SA Foundation + SA Interior	272	27	62.7
SB Interior + SB Landscape + SA Interior	102	14	59.9
SA Foundation + SA Interior	236	22	61.8
SA Interior + SA Landscape	66	9	57.9
Significance Threshold ($L_{eq(8\text{-hour})}$ (dBA))[b]	**N/A**	**N/A**	**80.0**
Maximum Exceedance Over Significance Threshold ($L_{eq(8\text{-hour})}$ (dBA))	N/A	N/A	0.0
Significant Impact?	N/A	N/A	No

[a] *For construction trucks, the number of hourly trips is based on an hourly average, assuming a uniform distribution of trips over an 8-hour workday. Haul truck hourly trips during demolition and grading/excavation are based on 6 hours of hauling per day.*

[b] *Significance criteria is based on an absolute noise levels as set forth in the City's Construction Noise and Vibration Updates to Thresholds and Methodology, August 2024.*

Source: AES, 2025. See Appendix B.

The Project also includes off-site improvements construction, including installation of utility connections along Alameda Street just east of the Project Site. Table 10 (on page 38) provides the estimated construction noise levels for the off-site improvements at the four off-site receptor locations. As indicated in Table 10, the estimated off-site improvements construction noise levels would be below the significance thresholds at all off-site receptor locations. Therefore, temporary noise impacts from off-site improvements construction would be less than significant.

Table 10. Off-Site Improvement Noise Impacts

Off-Site Receptor Location	Estimated Off-Site Construction Noise Levels (L_{eq}(8-hour) (dBA))	Significance Criteria[a] (L_{eq}(8-hour) (dB))	Maximum Noise Exceedance Above the Criteria (L_{eq}(8-hour) (dBA))	Significant Impact Without Mitigation?
South Lot Building B (06/2026 to 08/2028)				
R1	32.3	80.0	0.0	No
R2	50.1	80.0	0.0	No
R3	51.9	80.0	0.0	No
R4	57.9	80.0	0.0	No
South Lot Building A (03/2027 to 09/2029)				
R1	32.3	80.0	0.0	No
R2	48.5	80.0	0.0	No
R3	49.9	80.0	0.0	No
R4	53.1	80.0	0.0	No
North Lot (06/2030 to 08/2032)				
R1	37.1	80.0	0.0	No
R2	59.5	80.0	0.0	No
R3	59.3	80.0	0.0	No
R4	74.2	80.0	0.0	No

[a] *Sign.ficance criteria is based on an absolute noise levels as set forth in the City's Construction Noise and Vibration Updates to Thresholds and Methodology, August 2024.*

Source: AES, 2025. See Appendix B.

5.7.2 Operational Noise

This section provides a discussion of potential operational noise impacts on off-site noise-sensitive receptors, from activities associated with the proposed outdoor spaces (located at Level 2 and Level 8). The Project would include various outdoor spaces (common open spaces) located on Level 2 and Level 8. Noise sources associated with outdoor uses typically include noise from people gathering and conversing. Per the recent State's Assembly Bill No. 1307 (AB 1307), the effects of noise generated by project occupants and their guests on human beings is not a significant effect on the environment for residential projects for purposes of CEQA. Therefore, the noise analysis associated with people speaking or other noise generated by project occupants and their guests is not included. An additional potential noise source associated with outdoor spaces would be the use of an outdoor sound system (e.g., music or other sounds broadcast through an outdoor mounted speaker system) in the outdoor spaces. As set forth in Project Design Feature NOI-PDF-1, above, if an amplified sound system is used in outdoor areas, it would be designed so as not to exceed the maximum noise level of 80 dBA

L_{eq} at Level 2 and Level 8, thereby ensuring that the amplified sound system would not exceed the significance criterion (i.e., an increase of 5 dBA L_{eq}) at any off-site noise-sensitive receptor location.

Table 11 (below) presents the estimated noise levels at the off-site sensitive receptors resulting from the use of amplified sound system at the Project's outdoor areas, in terms of hourly (L_{eq}). As presented in Table 11, the estimated noise levels would range from 34.5 dBA (L_{eq}) at the uses represented by receptor location R1 to 56.6 dBA (L_{eq}) at the uses represented by receptor location R2. Further, the estimated ambient noise levels at all off-site receptor locations with the addition of the Project's outdoor spaces would be below the significance criterion of 5 dBA (L_{eq}) above ambient noise levels. As such, the Project's noise impact from the use of the outdoor spaces would be less than significant.

Table 11. Outdoor Amplification System Noise Levels (L_{eq})

Receptor Location	Existing Ambient Noise Levels, dBA (L_{eq})	Estimated Noise from Outdoor Uses, dBA (L_{eq})	Ambient + Project Noise Levels, dBA (L_{eq})	Significance Criteria[a] dBA (L_{eq})	Exceed over Significance Criteria	Significant Impact?
R1	72.0	34.5	72.0	77.0	0.0	No
R2	62.9	56.6	63.8	67.9	0.0	No
R3	64.2	50.5	64.4	69.2	0.0	No
R4	64.5	52.1	64.7	69.5	0.0	No

Notes:
[a] *Significance Criteria are equivalent to the measured daytime or nighttime ambient noise levels, whichever is lower plus 5 dBA, per the City of Los Angeles Noise Regulations.*
Source: AES, 2025. See Appendix C.

In addition to the noise analysis in terms of hourly L_{eq}, Table 12 (on page 40) presents the estimated outdoor amplification system noise levels in terms of 24-hour CNEL at the five off-site sensitive receptor locations. As indicated in Table 12, the noise level from Project operation at all off-site receptor locations would be below the more stringent 3-dBA significance criterion as the ambient plus Project noise level falls within the normally unacceptable (70 to 75 CNEL) range for residential land use categories. As such, noise level impacts due to use of an outdoor amplification system would be less than significant.

Based on the above, Project operations would not result in the generation of a substantial permanent increase in ambient noise levels in the vicinity of the Project in excess of standards established in the City's general plan or noise ordinance, or applicable standards of other agencies. Therefore, the Project's operational noise impacts would be less than significant.

Table 12. Outdoor Amplification System Noise Levels (CNEL)

Receptor Location	Existing Ambient Noise Levels, dBA (CNEL)	Estimated Noise from Outdoor Uses, dBA (CNEL)	Ambient + Project Noise Levels, dBA (CNEL)	Significance Criteria[a] dBA (CNEL)	Exceed over Significance Criteria	Significant Impact?
R1	78.8	38.6	78.8	81.8	0.0	No
R2	69.1	60.7	69.3	74.1	0.0	No
R3	72.7	54.6	72.7	75.7	0.0	No
R4	71.1	56.2	71.2	74.1	0.0	No

Notes:

[a] *Significance Criteria are equivalent to the measured daytime or nighttime ambient noise levels, whichever is lower plus 5 dBA, per the City of Los Angeles Noise Regulations.*

Source: AES, 2025. See Appendix C.

5.7.3 Construction Vibration

Construction activities can generate varying degrees of ground vibration, depending on the construction procedures and the type of construction equipment used. The operation of construction equipment generates vibrations that spread through the ground and diminish in amplitude with distance from the source. The effect on buildings located in the vicinity of a construction site often varies, depending on soil type, ground strata, and construction characteristics of the receptor buildings. The results from vibration can range from no perceptible effects at the lowest vibration levels to low rumbling sounds and perceptible vibration at moderate levels. However, ground-borne vibrations from construction activities rarely reach levels that damage structures.

As described above, Project construction activities would occur during the daytime hours from 7:00 A.M. to 9:00 P.M. Monday through Friday and between 8:00 A.M. and 6:00 P.M. on Saturday. As discussed above, there is no significance threshold associated with human annoyance during construction when construction occurs within the hours permitted by the LAMC.

5.7.3.1 Building Damage Impacts from On-Site Construction

With regard to potential building damage, the Project would generate ground-borne construction vibration during building demolition and site excavation/grading activities when heavy construction equipment, such as large bulldozers, drill rigs, and loaded trucks, would be used. Caltrans has published standard vibration velocities for various construction equipment operations. Table 13 (on page 42) provides the estimated ground vibration velocity levels (in terms of inch per second PPV) at the nearest off-site structures to the Development Area. The assessment of construction vibration provided above for potential building damage due to on-site construction compares the estimated vibration levels generated during construction of the Project to the 0.25 PPV significance criterion for the nearest historic structure to the west and the 0.5 PPV significance criterion for modern industrial/commercial buildings (applicable to the existing industrial buildings to the north, south, and east). As indicated in Table 13, the estimated vibration levels at the off-site buildings would be below both the 0.25 PPV and 0.3 PPV building damage significance criteria. Therefore, vibration impacts (pursuant to the significance criteria for building damage) from on-site construction activities would be less than significant.

Table 13. Construction Vibration Impacts – Building Damage

Receptor Location[a]	Estimated Vibration Velocity Levels at the Off-Site Buildings, PPV (inch/second),[b]						Significance Criteria, PPV (inch/ second)	Sig. Impacts?
	Vibratory Roller	Large Bulldozer	Caisson Drilling	Loaded Trucks	Jack-hammer	Small Bulldozer		
Caltrans Reference Vibration Levels at 25 feet	0.089	0.089	0.089	0.076	0.035	0.003	—	—
Industrial Building to the North	0.268	0.114	0.114	0.097	0.045	0.004	0.5[c]	No
Industrial Building to the South	0.026	0.011	0.011	0.009	0.004	0.000	0.5[c]	No
Industrial Building to the East	0.043	0.018	0.018	0.016	0.007	0.001	0.5[c]	No
7-Story Building to the West (historic)	0.098	0.042	0.042	0.036	0.016	0.001	0.25[d]	No

[a] *Represents nearby off-site building structures located nearest to the Project Site to the north, south, east, and west.*
[b] *Vibration level calculated based on Caltrans reference vibration level at 25 foot distance.*
[c] *Caltrans criterion for modern industrial/commercial buildings (applicable for the existing industrial buildings to the north, south, and east).*
[d] *Caltrans criterion for historic buildings (applicable for the existing 7-story historic building to the west).*
Source: Caltrans, 2013; AES, 2025

5.7.3.2 Building Damage Impacts from Off-Site Construction

As indicated above, the Project also includes construction of off-site improvements, including installation of utility main, adjacent to the Project Site to the east. Off-site improvements would utilize smaller construction equipment (e.g., a trencher and small loader), which would not generate excessive vibration levels. In addition, construction equipment for the off-site improvements would be a minimum of 20 feet from any off-site buildings. Therefore, temporary vibration impacts from the construction of the required off-site improvements with respect to building damage would be less than significant.

As described above, construction delivery/haul trucks would travel between the Project Site and the I-10 Freeways via Alameda Street. Heavy-duty construction trucks would generate ground-borne vibration as they travel along the Project's anticipated haul route(s). Thus, an analysis of potential vibration impacts using the building damage criteria for ground-borne vibration along the anticipated local haul routes was conducted.

Regarding building damage, based on FTA data, the vibration generated by a typical heavy-duty truck would be approximately 63 VdB (0.00566 PPV) at 50 feet.[29] According to the FTA

[29] *FTA, "Transit Noise and Vibration Impact Assessment," Figure 5-4, September 2018.*

"[i]t is unusual for vibration from sources such as buses and trucks to be perceptible, even in locations close to major roads." Nonetheless, there are existing buildings along the Project's anticipated haul route that are situated approximately 20 feet from the right-of-way and would be exposed to ground-borne vibration levels of approximately 0.022 PPV, as provided in the noise calculation worksheets included in Appendix B. This estimated vibration generated by construction trucks traveling along the anticipated haul route(s) would be well below the building damage criteria of 0.25 PPV for historic buildings. Therefore, vibration impacts (pursuant to the significance criteria for building damage) from off-site construction activities (i.e., construction trucks traveling on public roadways) would be less than significant.

5.8 Cumulative Impact Analysis

The Project, together with the related projects and future growth, could contribute to cumulative noise impacts. The potential for cumulative noise impacts to occur is specific to the distance between each related project and their stationary noise sources (i.e., construction equipment and amplified sound system at the roof decks/pool decks).

5.9 Construction Noise

5.9.1 On-Site Construction Noise

Based on the Project Transportation Assessment, twenty-two (22) related projects were identified in the vicinity of the Project Site. Noise from construction of related projects is typically localized and has the potential to affect noise-sensitive uses within 300 feet from the construction site.[30] Thus, noise from construction activities for two projects within 300 feet of each other can contribute to a cumulative noise impact for receptors located midway between the two construction sites. Of the 22 related projects located in the vicinity of the Project Site, 21 related projects are located more than 500 feet from the Project Site and acoustically shielded by the existing intervening building structures (noise shield). These related projects would not contribute to the cumulative on-site construction noise impacts. The nearest related project is Related Project No. 2, a mixed-use development, located at 668 Alameda Street, approximately 330 feet northeast of the Project Site. However, Related Project No. 2 has already been constructed and would not contribute to the cumulative on-site construction noise impacts. Therefore, based on distance sound attenuation and shielding provided by existing buildings, construction-related noise from all other related projects would be well below the 80 dBA ($L_{eq(8\text{-hour})}$) threshold and would not contribute to cumulative construction-related noise impacts, and cumulative noise impacts associated with on-site construction would be less than significant.

[30] *Typical construction noise level at 300 feet distance would be approximately 70 dBA, which would be 10 dBA below the 80 dBA $L_{eq(8\text{-hour})}$ significance criteria and would not result in significant noise increase.*

5.9.2 Off-Site Construction Noise

In addition to the cumulative impacts of on-site construction activities, off-site construction haul trucks would have the potential to result in cumulative impacts if the trucks for the related projects and the Project were to utilize the same haul route. As analyzed above, the estimated off-site construction noise levels would be a minimum 15.0 dBA below the significance criteria along the anticipated truck route, i.e., Alameda Street. It is estimated that the cumulative truck trips would need to exceed 1,429 haul truck trips per hour along Alameda Street, for the off-site construction truck noise levels to reach or exceed the significance criteria of 80 dBA ($L_{eq(8\text{-}hour)}$). As indicated above, the Project would generate up to 46 haul truck trips per hour during the site grading/excavation phase. There are three related projects in the vicinity of the Project Site, which could utilize the same truck routes, including Related Project No. 1, Related Project No. 2, and Related Project No 3. As indicated above, Related Project No. 2 has been constructed and thus would not contribute to the cumulative off-site construction noise impacts. Related Project No. 3 would generate up to 105 truck trips per hour.[31] There is no available information as related to the truck trips associated with Related Project No. 1. However, it is estimated that the construction-related truck trips for Related Project No. 1 would be similar or less than the Project, based on the proposed development (i.e., 344 live/work units Related Project No. 1 and 1,000 residential units for the Project). Therefore, based on the above, the potential cumulative increase in total truck trips is not anticipated to reach 1,429 truck trips per hour along the anticipated truck route. As such, cumulative off-site construction noise impacts would be less than significant.

5.10 Operational Noise

The Project Site and surrounding area have been developed with uses that have previously generated and will continue to generate noise from a number of community noise sources, including outdoor activity areas. All related projects are of a residential, retail, commercial, or institutional nature, and these uses are not typically associated with excessive exterior noise levels. Due to provisions set forth in the LAMC that limit stationary source noise from items, such as outdoor amplified sound, noise levels would be less than significant at the property line for each related project. In addition, as discussed above, noise impacts associated with operations within the outdoor areas of the Project Site would be less than significant. Therefore, based on the distance of the related projects from the Project Site and the operational noise levels associated with the Project, cumulative stationary source noise impacts associated with operation of the Project and related projects would be less than significant.

[31] *City of Los Angeles, East End Studios ADLA, Draft Environmental Impact Report, Table IV.G-13, July 2024.*

5.10.1 Construction Vibration

5.10.1.1 On-Site Construction Vibration

Groundborne vibration decreases rapidly with distance from the vibration source. Potential vibration impacts due to construction activities are generally limited to buildings/structures that are in proximity to the construction site (i.e., within 25 feet as related to building damage).[32] As discussed above, the Project would not result in significant impacts associated with vibration during construction. The nearest related project is Related Project No. 2, which is located approximately 330 feet from the Project Site. However, as discussed above, Related Project No. 2 has been constructed and would not contribute to the cumulative on-site construction vibration impacts. Therefore, the Project would not contribute to a cumulative construction vibration impact with respect to building damage associated with on-site construction and the cumulative impact would be less than significant.

5.10.1.2 Off-Site Construction Vibration

As previously discussed, based on FTA data, the vibration generated by a typical heavy truck would be approximately 63 VdB (0.00566 PPV) at a distance of 50 feet from the truck.[33] In addition, according to the FTA "[i]t is unusual for vibration from sources such as buses and trucks to be perceptible, even in locations close to major roads." As discussed above, there are existing buildings that are approximately 20 feet from the right-of-way of the anticipated truck route(s) for the Project (i.e., Alameda Street). These buildings are anticipated to be exposed to ground-borne vibration levels of approximately 0.022 PPV. Trucks from the related projects are expected to generate similar ground-borne vibration levels. Therefore, the vibration levels generated from off-site construction trucks associated with the Project and other related projects along the anticipated truck route(s) would be below the building damage significance criteria of 0.25 PPV (for historic buildings). Therefore, potential cumulative vibration impacts with respect to building damage from off-site construction would be less than significant.

5.11 Mitigation Measures

As analyzed above, based on the analysis required by the noise mitigation measures in the Program EIR, the Project would not result in significant noise impacts associated with both Project construction and operation. However, the Project would implement the Mitigation Measures, as required by the Program EIR. No additional mitigation measures are required.

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[32] *Distances calculated based on estimated vibration levels for typical construction equipment at a distance which would be below the 0.25 PPV significance threshold applicable to historic buildings.*

[33] *FTA, "Transit Noise and Vibration Impact Assessment," Figure 5-4, September 2018.*

6 REFERENCES

California Department of Transportation (Caltrans), *Technical Noise Supplement (TeNS)*, September 2013.

California Department of Transportation (Caltrans), *Transportation and Construction Vibration Guidance Manual*, September 2013.

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City of Los Angeles, *Noise Element of the Los Angeles City General Plan*, Adopted February 2, 1999.

Cyril M. Harris, *Handbook of Acoustical Measurements and Noise Control*, Third Edition, 1991.

Federal Highway Administration (FHWA), *FHWA Roadway Construction Noise Model User's Guide*, January 2006.

Federal Transit Administration (FTA), *Transit Noise and Vibration Impact Assessment*, September 2018.

Appendix A

Ambient Noise Measurements

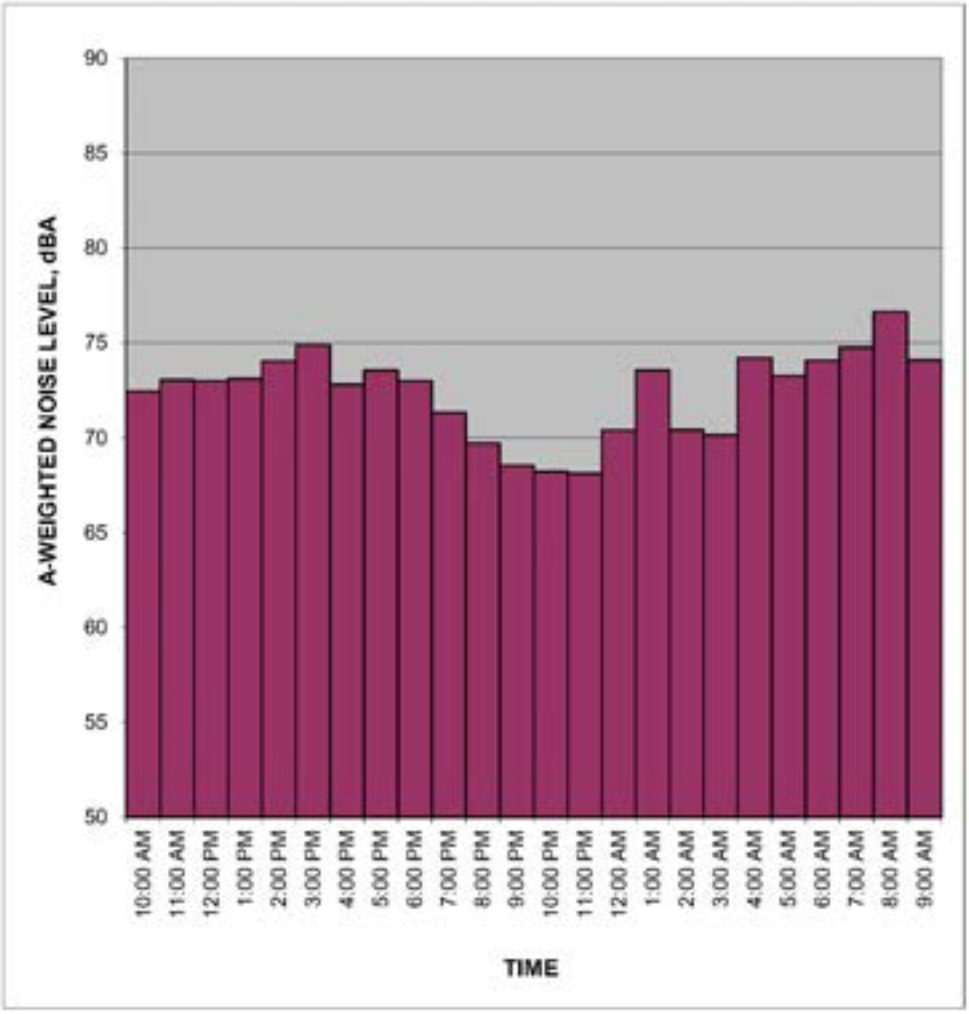
Measured Ambient Noise Levels

AES
Acoustical Engineering Services

Project: The ROW Project
Location: R1
Sources: Ambient

Date: 1/13 - 1/14/2025

TIME	HNL, dB(A)
10:00 AM	72.5
11:00 AM	73.1
12:00 PM	73.0
1:00 PM	73.1
2:00 PM	74.0
3:00 PM	74.9
4:00 PM	72.8
5:00 PM	73.6
6:00 PM	73.0
7:00 PM	71.3
8:00 PM	69.7
9:00 PM	68.5
10:00 PM	68.2
11:00 PM	68.1
12:00 AM	70.4
1:00 AM	73.6
2:00 AM	70.4
3:00 AM	70.2
4:00 AM	74.2
5:00 AM	73.3
6:00 AM	74.1
7:00 AM	74.8
8:00 AM	76.6
9:00 AM	74.1
CNEL, dB(A):	**78.8**



NOTES:

Daytime average	73.4	dBA Leq
Nighttime average	72.0	dBA Leq

AES
Acoustical Engineering Services

Location: R2
Date: 1/13/2025

Time	Leq
10:32:06 AM	65.8
10:32:16 AM	68.5
10:32:26 AM	69.9
10:32:36 AM	62.0
10:32:46 AM	67.3
10:32:56 AM	68.9
10:33:06 AM	61.3
10:33:16 AM	65.9
10:33:26 AM	70.7
10:33:36 AM	69.9
10:33:46 AM	64.9
10:33:56 AM	67.8
10:34:06 AM	62.6
10:34:16 AM	64.7
10:34:26 AM	64.2
10:34:36 AM	60.6
10:34:46 AM	67.9
10:34:56 AM	70.8
10:35:06 AM	70.8
10:35:16 AM	68.6
10:35:26 AM	66.4
10:35:36 AM	60.2
10:35:46 AM	60.6
10:35:56 AM	60.8
10:36:06 AM	69.8
10:36:16 AM	68.8
10:36:26 AM	69.3
10:36:36 AM	64.8
10:36:46 AM	66.1
10:36:56 AM	70.3
10:37:06 AM	63.0
10:37:16 AM	66.2
10:37:26 AM	64.5
10:37:36 AM	60.2
10:37:46 AM	67.3
10:37:56 AM	68.0
10:38:06 AM	67.9
10:38:16 AM	71.8
10:38:26 AM	77.0
10:38:36 AM	61.5
10:38:46 AM	55.9
10:38:56 AM	55.1
10:39:06 AM	60.5
10:39:16 AM	67.2

10:39:26 AM	68.6
10:39:36 AM	69.2
10:39:46 AM	71.0
10:39:56 AM	63.1
10:40:06 AM	68.6
10:40:16 AM	66.6
10:40:26 AM	63.0
10:40:36 AM	63.3
10:40:46 AM	63.7
10:40:56 AM	67.4
10:41:06 AM	68.6
10:41:16 AM	69.7
10:41:26 AM	71.5
10:41:36 AM	66.3
10:41:46 AM	65.6
10:41:56 AM	66.7
10:42:06 AM	65.1
10:42:16 AM	65.2
10:42:26 AM	69.2
10:42:36 AM	66.2
10:42:46 AM	66.0
10:42:56 AM	65.2
10:43:06 AM	67.6
10:43:16 AM	63.6
10:43:26 AM	61.0
10:43:36 AM	66.4
10:43:46 AM	65.8
10:43:56 AM	67.2
10:44:06 AM	70.4
10:44:16 AM	70.7
10:44:26 AM	64.8
10:44:36 AM	63.1
10:44:46 AM	63.7
10:44:56 AM	64.3
10:45:06 AM	65.9
10:45:16 AM	71.5
10:45:26 AM	67.4
10:45:36 AM	65.8
10:45:46 AM	66.4
10:45:56 AM	68.5
10:46:06 AM	62.1
10:46:16 AM	63.0
10:46:26 AM	64.6
10:46:36 AM	75.7
10:46:46 AM	68.7
10:46:56 AM	70.3
	67.9

AES
Acoustical Engineering Services

Time	Leq
10:01:30 PM	55.6
10:01:40 PM	55.2
10:01:50 PM	59.2
10:02:00 PM	60.8
10:02:10 PM	63.0
10:02:20 PM	61.0
10:02:30 PM	56.7
10:02:40 PM	59.9
10:02:50 PM	60.3
10:03:00 PM	62.3
10:03:10 PM	56.5
10:03:20 PM	60.9
10:03:30 PM	58.9
10:03:40 PM	61.9
10:03:50 PM	56.1
10:04:00 PM	59.4
10:04:10 PM	65.4
10:04:20 PM	53.9
10:04:30 PM	61.5
10:04:40 PM	61.1
10:04:50 PM	63.6
10:05:00 PM	59.0
10:05:10 PM	56.5
10:05:20 PM	54.0
10:05:30 PM	52.8
10:05:40 PM	66.0
10:05:50 PM	68.2
10:06:00 PM	67.1
10:06:10 PM	56.9
10:06:20 PM	54.2
10:06:30 PM	57.6
10:06:40 PM	67.8
10:06:50 PM	72.1
10:07:00 PM	63.0
10:07:10 PM	61.3
10:07:20 PM	55.9
10:07:30 PM	57.7
10:07:40 PM	59.1
10:07:50 PM	61.0
10:08:00 PM	62.9
10:08:10 PM	65.3
10:08:20 PM	60.0
10:08:30 PM	58.7
10:08:40 PM	59.2
10:08:50 PM	57.5
10:09:00 PM	53.6
10:09:10 PM	55.9

10:09:20 PM	65.8
10:09:30 PM	68.3
10:09:40 PM	60.0
10:09:50 PM	54.3
10:10:00 PM	54.3
10:10:10 PM	54.4
10:10:20 PM	62.4
10:10:30 PM	63.0
10:10:40 PM	54.1
10:10:50 PM	55.7
10:11:00 PM	58.1
10:11:10 PM	56.1
10:11:20 PM	55.5
10:11:30 PM	64.3
10:11:40 PM	63.6
10:11:50 PM	66.4
10:12:00 PM	59.9
10:12:10 PM	57.9
10:12:20 PM	56.1
10:12:30 PM	57.5
10:12:40 PM	55.7
10:12:50 PM	59.0
10:13:00 PM	59.9
10:13:10 PM	57.3
10:13:20 PM	58.5
10:13:30 PM	62.4
10:13:40 PM	63.1
10:13:50 PM	65.8
10:14:00 PM	75.0
10:14:10 PM	63.0
10:14:20 PM	59.1
10:14:30 PM	57.4
10:14:40 PM	55.0
10:14:50 PM	57.3
10:15:00 PM	65.6
10:15:10 PM	63.8
10:15:20 PM	63.7
10:15:30 PM	58.2
10:15:40 PM	55.8
10:15:50 PM	55.0
10:16:00 PM	53.4
10:16:10 PM	64.6
10:16:20 PM	66.1
	62.9

AES
Acoustical Engineering Services

Project: The ROW Project
Location: R3
Date: 1/13/2025

Time	Leq
10:51:47 AM	64.5
10:51:57 AM	65.4
10:52:07 AM	56.5
10:52:17 AM	63.0
10:52:27 AM	61.9
10:52:37 AM	58.8
10:52:47 AM	56.3
10:52:57 AM	64.2
10:53:07 AM	68.1
10:53:17 AM	65.6
10:53:27 AM	67.8
10:53:37 AM	69.4
10:53:47 AM	67.0
10:53:57 AM	67.2
10:54:07 AM	62.6
10:54:17 AM	53.8
10:54:27 AM	59.2
10:54:37 AM	71.0
10:54:47 AM	66.4
10:54:57 AM	60.9
10:55:07 AM	56.5
10:55:17 AM	65.0
10:55:27 AM	61.7
10:55:37 AM	63.6
10:55:47 AM	59.0
10:55:57 AM	62.4
10:56:07 AM	66.8
10:56:17 AM	67.9
10:56:27 AM	67.0
10:56:37 AM	72.1
10:56:47 AM	72.1
10:56:57 AM	70.0
10:57:07 AM	69.7
10:57:17 AM	78.1
10:57:27 AM	70.7
10:57:37 AM	65.4
10:57:47 AM	67.8
10:57:57 AM	71.5
10:58:07 AM	69.6
10:58:17 AM	76.6
10:58:27 AM	70.1
10:58:37 AM	75.5
10:58:47 AM	91.4

10:58:57 AM	74.3
10:59:07 AM	69.7
10:59:17 AM	69.1
10:59:27 AM	64.2
10:59:37 AM	63.0
10:59:47 AM	67.2
10:59:57 AM	62.6
11:00:07 AM	61.1
11:00:17 AM	60.5
11:00:27 AM	67.2
11:00:37 AM	66.0
11:00:47 AM	70.3
11:00:57 AM	68.0
11:01:07 AM	64.3
11:01:17 AM	69.4
11:01:27 AM	71.4
11:01:37 AM	66.0
11:01:47 AM	58.6
11:01:57 AM	62.4
11:02:07 AM	66.7
11:02:17 AM	65.5
11:02:27 AM	65.6
11:02:37 AM	62.6
11:02:47 AM	67.4
11:02:57 AM	61.7
11:03:07 AM	67.7
11:03:17 AM	64.8
11:03:27 AM	61.2
11:03:37 AM	66.4
11:03:47 AM	62.0
11:03:57 AM	68.0
11:04:07 AM	64.3
11:04:17 AM	68.4
11:04:27 AM	68.0
11:04:37 AM	55.6
11:04:47 AM	53.4
11:04:57 AM	61.6
11:05:07 AM	66.2
11:05:17 AM	65.1
11:05:27 AM	65.2
11:05:37 AM	65.0
11:05:47 AM	68.6
11:05:57 AM	67.5
11:06:07 AM	59.6
11:06:17 AM	64.4
11:06:27 AM	60.9
11:06:37 AM	62.0
	73.4

AES
Acoustical Engineering Services

Time	Leq
10:21:01 PM	60.6
10:21:11 PM	61.6
10:21:21 PM	66.6
10:21:31 PM	61.6
10:21:41 PM	66.7
10:21:51 PM	63.1
10:22:01 PM	63.8
10:22:11 PM	65.0
10:22:21 PM	66.5
10:22:31 PM	70.4
10:22:41 PM	69.0
10:22:51 PM	64.7
10:23:01 PM	65.2
10:23:11 PM	65.1
10:23:21 PM	63.7
10:23:31 PM	63.9
10:23:41 PM	62.6
10:23:51 PM	68.8
10:24:01 PM	65.1
10:24:11 PM	61.3
10:24:21 PM	60.9
10:24:31 PM	61.6
10:24:41 PM	66.5
10:24:51 PM	68.7
10:25:01 PM	62.0
10:25:11 PM	60.9
10:25:21 PM	60.8
10:25:31 PM	60.9
10:25:41 PM	60.9
10:25:51 PM	61.6
10:26:01 PM	65.8
10:26:11 PM	62.8
10:26:21 PM	63.7
10:26:31 PM	60.9
10:26:41 PM	61.5
10:26:51 PM	63.8
10:27:01 PM	64.8
10:27:11 PM	63.6
10:27:21 PM	65.7
10:27:31 PM	62.6
10:27:41 PM	63.0
10:27:51 PM	63.2
10:28:01 PM	61.0
10:28:11 PM	61.2
10:28:21 PM	61.2
10:28:31 PM	63.7

10:28:41 PM	65.6
10:28:51 PM	61.2
10:29:01 PM	60.9
10:29:11 PM	65.8
10:29:21 PM	62.6
10:29:31 PM	66.2
10:29:41 PM	62.2
10:29:51 PM	62.0
10:30:01 PM	61.1
10:30:11 PM	61.1
10:30:21 PM	65.2
10:30:31 PM	61.7
10:30:41 PM	70.6
10:30:51 PM	63.2
10:31:01 PM	64.3
10:31:11 PM	61.3
10:31:21 PM	61.6
10:31:31 PM	65.9
10:31:41 PM	61.3
10:31:51 PM	63.7
10:32:01 PM	69.0
10:32:11 PM	67.3
10:32:21 PM	60.6
10:32:31 PM	60.4
10:32:41 PM	60.6
10:32:51 PM	62.2
10:33:01 PM	68.6
10:33:11 PM	61.4
10:33:21 PM	60.9
10:33:31 PM	60.6
10:33:41 PM	60.7
10:33:51 PM	63.0
10:34:01 PM	64.3
10:34:11 PM	60.8
10:34:21 PM	60.6
10:34:31 PM	60.8
10:34:41 PM	60.7
10:34:51 PM	61.7
10:35:01 PM	61.2
10:35:11 PM	63.5
10:35:21 PM	63.3
10:35:31 PM	66.6
10:35:41 PM	63.4
10:35:51 PM	60.5
	64.2

AES
Acoustical Engineering Services

Project: The ROW Project
Location: R4
Date: 1/13/2025

Time	Leq
11:11:53 AM	61.7
11:12:03 AM	62.7
11:12:13 AM	62.2
11:12:23 AM	72.5
11:12:33 AM	72.0
11:12:43 AM	73.8
11:12:53 AM	74.8
11:13:03 AM	64.6
11:13:13 AM	58.6
11:13:23 AM	59.0
11:13:33 AM	61.2
11:13:43 AM	57.8
11:13:53 AM	67.8
11:14:03 AM	71.9
11:14:13 AM	78.2
11:14:23 AM	80.1
11:14:33 AM	67.3
11:14:43 AM	61.7
11:14:53 AM	58.4
11:15:03 AM	64.5
11:15:13 AM	60.7
11:15:23 AM	70.0
11:15:33 AM	75.8
11:15:43 AM	72.7
11:15:53 AM	69.3
11:16:03 AM	69.0
11:16:13 AM	66.1
11:16:23 AM	62.0
11:16:33 AM	62.5
11:16:43 AM	60.3
11:16:53 AM	72.7
11:17:03 AM	73.1
11:17:13 AM	70.9
11:17:23 AM	73.7
11:17:33 AM	72.0
11:17:43 AM	64.6
11:17:53 AM	58.1
11:18:03 AM	59.9
11:18:13 AM	56.4
11:18:23 AM	68.4
11:18:33 AM	71.8
11:18:43 AM	71.0
11:18:53 AM	72.4

11:19:03 AM	70.3
11:19:13 AM	65.4
11:19:23 AM	67.9
11:19:33 AM	59.2
11:19:43 AM	61.1
11:19:53 AM	75.7
11:20:03 AM	72.8
11:20:13 AM	74.7
11:20:23 AM	75.1
11:20:33 AM	65.4
11:20:43 AM	61.7
11:20:53 AM	64.1
11:21:03 AM	64.8
11:21:13 AM	62.5
11:21:23 AM	70.7
11:21:33 AM	71.3
11:21:43 AM	72.5
11:21:53 AM	72.6
11:22:03 AM	70.4
11:22:13 AM	65.7
11:22:23 AM	69.1
11:22:33 AM	69.4
11:22:43 AM	64.1
11:22:53 AM	70.9
11:23:03 AM	70.2
11:23:13 AM	71.6
11:23:23 AM	72.0
11:23:33 AM	72.0
11:23:43 AM	57.4
11:23:53 AM	60.6
11:24:03 AM	54.9
11:24:13 AM	61.6
11:24:23 AM	61.3
11:24:33 AM	72.5
11:24:43 AM	70.6
11:24:53 AM	70.0
11:25:03 AM	66.7
11:25:13 AM	56.1
11:25:23 AM	63.4
11:25:33 AM	66.3
11:25:43 AM	69.3
11:25:53 AM	72.1
11:26:03 AM	71.4
11:26:13 AM	74.7
11:26:23 AM	68.2
11:26:33 AM	64.0
11:26:43 AM	63.9
	70.4

AES
Acoustical Engineering Services

Time	Leq
10:41:23 PM	55.8
10:41:33 PM	56.9
10:41:43 PM	56.1
10:41:53 PM	66.4
10:42:03 PM	66.1
10:42:13 PM	63.7
10:42:23 PM	55.0
10:42:33 PM	68.0
10:42:43 PM	70.3
10:42:53 PM	61.9
10:43:03 PM	63.0
10:43:13 PM	65.3
10:43:23 PM	61.6
10:43:33 PM	56.7
10:43:43 PM	52.3
10:43:53 PM	56.0
10:44:03 PM	56.1
10:44:13 PM	62.0
10:44:23 PM	56.9
10:44:33 PM	54.3
10:44:43 PM	54.4
10:44:53 PM	65.1
10:45:03 PM	64.3
10:45:13 PM	54.7
10:45:23 PM	60.9
10:45:33 PM	72.1
10:45:43 PM	70.6
10:45:53 PM	59.6
10:46:03 PM	56.6
10:46:13 PM	63.6
10:46:23 PM	57.5
10:46:33 PM	57.6
10:46:43 PM	58.5
10:46:53 PM	59.7
10:47:03 PM	59.3
10:47:13 PM	54.3
10:47:23 PM	55.4
10:47:33 PM	66.6
10:47:43 PM	59.5
10:47:53 PM	65.5
10:48:03 PM	68.3
10:48:13 PM	58.6
10:48:23 PM	58.2
10:48:33 PM	59.7
10:48:43 PM	71.2
10:48:53 PM	73.1

10:49:03 PM	68.2
10:49:13 PM	65.5
10:49:23 PM	62.9
10:49:33 PM	54.3
10:49:43 PM	53.2
10:49:53 PM	53.2
10:50:03 PM	71.6
10:50:13 PM	62.7
10:50:23 PM	70.2
10:50:33 PM	68.9
10:50:43 PM	69.2
10:50:53 PM	56.5
10:51:03 PM	60.6
10:51:13 PM	60.5
10:51:23 PM	69.5
10:51:33 PM	69.2
10:51:43 PM	60.8
10:51:53 PM	65.7
10:52:03 PM	63.6
10:52:13 PM	51.9
10:52:23 PM	59.9
10:52:33 PM	68.6
10:52:43 PM	56.1
10:52:53 PM	53.2
10:53:03 PM	53.0
10:53:13 PM	51.6
10:53:23 PM	51.7
10:53:33 PM	57.1
10:53:43 PM	59.1
10:53:53 PM	67.4
10:54:03 PM	62.1
10:54:13 PM	60.5
10:54:23 PM	67.0
10:54:33 PM	57.6
10:54:43 PM	55.9
10:54:53 PM	57.4
10:55:03 PM	63.3
10:55:13 PM	58.1
10:55:23 PM	60.8
10:55:33 PM	58.8
10:55:43 PM	63.8
10:55:53 PM	56.8
10:56:03 PM	54.8
10:56:13 PM	54.6
	64.5

Appendix B

Construction Noise and Vibration Calculations

AES
Acoustical Engineering Services

Project: The ROW DTLA Residential Project

On-Site Construction Noise Analysis

SOUTH LOT BUILDING B - 06/02/26 to 08/03/28

	Estimated Construction Noise Levels, dBA Leq (from SoundPLAN Model)					
Receptor	Demolition (A)	Grading (B)	Building Foundation/ Structure (C)	Building Construction/ Interior (D)	Paving/ Landscape (E)	Off-Site Improvements (F)
R1	36.3	36.6	40.9	22.0	36.8	32.3
R2	56.7	57.0	61.4	42.4	57.2	50.1
R3	56.2	56.4	60.8	41.9	56.7	51.9
R4	62.7	62.9	67.3	48.4	63.1	57.9

SOUTH LOT BUILDING A - 03/02/27 to 09/02/29

	Estimated Construction Noise Levels, dBA Leq (from SoundPLAN Model)					
Receptor	Demolition (G)	Grading (H)	Building Foundation/ Structure (I)	Building Construction/ Interior (J)	Paving/ Landscape (K)	Off-Site Improvements (L)
R1	36.9	36.1	40.5	24.9	35.0	32.3
R2	56.9	56.0	60.6	44.8	55.0	48.5
R3	55.7	54.9	59.4	43.7	53.8	49.9
R4	61.0	60.2	64.7	49.0	59.1	53.1

NORTH LOT - 06/30/30 to 08/30/32

	Estimated Construction Noise Levels, dBA Leq (from SoundPLAN Model)					
Receptor	Demolition (M)	Grading (N)	Building Foundation/ Structure (O)	Building Construction/ Interior (P)	Paving/ Landscape (Q)	Off-Site Improvements (R)
R1	36.9	37.1	40.6	20.5	36.1	37.1
R2	60.9	61.0	64.6	44.4	60.0	59.5
R3	58.7	58.8	62.4	42.2	57.8	59.3
R4	68.7	68.9	72.4	52.3	67.9	74.2

AES
Acoustical Engineering Services

Project: The ROW DTLA Residential Project

Construction Equipment Noise Levels - North Lot

					Construction Equipment by Project Phase					
Description	Reference Noise Level at 50ft, Lmax	Acoustical Usage Factor	Sound Pressure Levels (SPL), Leq	Sound Power Levels (Lw), Leq	Demolition	Grading	Building Foundation/ Structure	Building Construction/ Interior	Paving/ Landscape	Off-Site Improvements
Air Compressor	78	40%	74	105.7	1		1			1
Aerial Lift	75	20%	68	99.7				1		
Bore Drill Rig	84	20%	77	108.7		1				
Cement and Mortar Mixers	80	50%	77	108.6			1			
Concrete/Industrial Saw	90	20%	83	114.7			1			
Crane (Tower)	81	16%	73	104.7			1			
Crane (Mobile)	81	16%	73	104.7			1		1	
Excavator	81	40%	77	108.7	1	2	1			
Forklifts	75	20%	68	99.7			2			
Generator Sets	81	50%	78	109.6	1					
Water Truck	82	10%	72	103.7	1	1			1	
Paving Equipment	77	50%	74	105.6					1	
Pump	81	50%	78	109.6			1			
Plate Compactor	83	20%	76	107.7		1	1		1	
Roller	80	20%	73	104.7		1			1	
Rough Terrain Forklifts	83	40%	79	110.7			1			
Rubber Tired Loader	79	40%	75	106.7		1				
Signal Boards	73	50%	70	101.6					1	
Skid Steer Loader	79	40%	75	106.7	1	1				
Tractors/Loaders/Backhoes	84	40%	80	111.7	1		1		1	1
Welders	74	40%	70	101.7			1			
Other Equipment	85	50%	82	113.6						
					6	8	13	1	7	2

Source for Ref. Noise Levels: FHWA RCNM, 2006

AES
Acoustical Engineering Services

Project: The ROW DTLA Residential Project

Construction Equipment Noise Levels - South Lot Building A

					Construction Equipment by Project Phase					
Description	Reference Noise Level at 50ft, Lmax	Acoustical Usage Factor	Sound Pressure Levels (SPL), Leq	Sound Power Levels (Lw), Leq	Demolition	Grading	Building Foundation/ Structure	Building Construction/ Interior	Paving/ Landscape	Off-Site Improvements
Air Compressor	78	40%	74	105.7	2		2			1
Aerial Lift	75	20%	68	99.7				3		
Bore Drill Rig	84	20%	77	108.7		2				
Cement and Mortar Mixers	80	50%	77	108.6			1			
Concrete/Industrial Saw	90	20%	83	114.7			3			
Crane (Tower)	81	16%	73	104.7			1	1		
Crane (Mobile)	81	16%	73	104.7			1		1	
Crawler Tractor	84	40%	80	111.7						
Crushing/Proc. Equipment	85	50%	82	113.6						
Excavator	81	40%	77	108.7	2	3	1			
Forklifts	75	20%	68	99.7			2			
Generator Sets	81	50%	78	109.6	1					
Grader	85	40%	81	112.7						
Off-Highway Tractors	84	40%	80	111.7						
Water Truck	82	10%	72	103.7	1	1			1	
Paver	77	50%	74	105.6						
Paving Equipment	77	50%	74	105.6					1	
Pump	81	50%	78	109.6			2			
Plate Compactor	83	20%	76	107.7		2	2		2	
Roller	80	20%	73	104.7		2			2	
Rough Terrain Forklifts	83	40%	79	110.7			3			
Rubber Tired Dozer	82	40%	78	109.7						
Rubber Tired Loader	79	40%	75	106.7		2				
Scraper	84	40%	80	111.7						
Signal Boards	73	50%	70	101.6					2	
Skid Steer Loader	79	40%	75	106.7	3	2				
Surfacing Equipment	90	20%	83	114.7						1
Tractors/Loaders/Backhoes	84	40%	80	111.7	3		2		2	
Trencher	80	50%	77	108.6						
Welders	74	40%	70	101.7			2			
Other Equipment	85	50%	82.0	113.6						2
					12	14	22	4	11	4

Source for Ref. Noise Levels: FHWA RCNM, 2006

AES
Acoustical Engineering Services

Project: The ROW DTLA Residential Project

Construction Equipment Noise Levels - South Lot Building B

					Construction Equipment by Project Phase					
Description	Reference Noise Level at 50ft, Lmax	Acoustical Usage Factor	Sound Pressure Levels (SPL), Leq	Sound Power Levels (Lw), Leq	Demolition	Grading	Building Foundation/ Structure	Building Construction/ Interior	Paving/ Landscape	Off-Site Improvements
Air Compressor	78	40%	74	105.7	2		2			1
Aerial Lift	75	20%	68	99.7				2		
Bore Drill Rig	84	20%	77	108.7		1				
Cement and Mortar Mixers	80	50%	77	108.6			1			
Concrete/Industrial Saw	90	20%	83	114.7			2			
Crane (Tower)	81	16%	73	104.7						
Crane (Mobile)	81	16%	73	104.7			1		1	
Crawler Tractor	84	40%	80	111.7						
Crushing/Proc. Equipment	85	50%	82	113.6						
Excavator	81	40%	77	108.7	1	2	1			
Forklifts	75	20%	68	99.7			2			
Generator Sets	81	50%	78	109.6	1					
Grader	85	40%	81	112.7						
Off-Highway Tractors	84	40%	80	111.7						
Water Truck	82	10%	72	103.7	1	1			1	
Paver	77	50%	74	105.6						
Paving Equipment	77	50%	74	105.6					1	
Pump	81	50%	78	109.6			1			
Plate Compactor	83	20%	76	107.7		2	2		2	
Roller	80	20%	73	104.7		1			1	
Rough Terrain Forklifts	83	40%	79	110.7			2			
Rubber Tired Dozer	82	40%	78	109.7						
Rubber Tired Loader	79	40%	75	106.7		1				
Scraper	84	40%	80	111.7						
Signal Boards	73	50%	70	101.6					2	
Skid Steer Loader	79	40%	75	106.7	2	2				
Surfacing Equipment	90	20%	83	114.7						1
Tractors/Loaders/Backhoes	84	40%	80	111.7	1		1		2	
Trencher	80	50%	77	108.6						
Welders	74	40%	70	101.7			2			
Other Equipment	85	50%	82.0	113.6						2
					8	10	17	2	10	4

Source for Ref. Noise Levels: FHWA RCNM, 2006

The ROW
Source Levels in dB(A) - 01a - Construction North Building - Demo

Name	Source type	Lw dB(A)	
Cons. N Air Compressor 1	Area	105.7	
Cons. N Excavator 1	Area	108.7	
Cons. N Generator Set 1	Area	109.6	
Cons. N Skid SteerLoader 1	Area	106.7	
Cons. N Tractor Loader Backhoe 1	Area	111.7	
Cons. N Water Truck 1	Area	103.7	

The ROW
Calculated Noise Levels - 01a - Construction North Building - Demo

Source	Source type	Leq,d dB(A)	
Receiver R1 Leq,d 36.9 dB(A)			
Cons. N Air Compressor 1	Area	26.3	
Cons. N Excavator 1	Area	29.5	
Cons. N Generator Set 1	Area	30.2	
Cons. N Skid SteerLoader 1	Area	27.5	
Cons. N Tractor Loader Backhoe 1	Area	32.5	
Cons. N Water Truck 1	Area	24.5	
Receiver R2 Leq,d 60.9 dB(A)			
Cons. N Air Compressor 1	Area	50.2	
Cons. N Excavator 1	Area	53.4	
Cons. N Generator Set 1	Area	54.1	
Cons. N Skid SteerLoader 1	Area	51.4	
Cons. N Tractor Loader Backhoe 1	Area	56.4	
Cons. N Water Truck 1	Area	48.4	
Receiver R3 Leq,d 58.7 dB(A)			
Cons. N Air Compressor 1	Area	48.1	
Cons. N Excavator 1	Area	51.2	
Cons. N Generator Set 1	Area	52.0	
Cons. N Skid SteerLoader 1	Area	49.2	
Cons. N Tractor Loader Backhoe 1	Area	54.2	
Cons. N Water Truck 1	Area	46.2	
Receiver R4 Leq,d 68.7 dB(A)			
Cons. N Air Compressor 1	Area	57.9	
Cons. N Excavator 1	Area	61.3	
Cons. N Generator Set 1	Area	61.8	
Cons. N Skid SteerLoader 1	Area	59.3	
Cons. N Tractor Loader Backhoe 1	Area	64.3	
Cons. N Water Truck 1	Area	56.3	

The ROW
Source Levels in dB(A) - 01b - Construction North Building - Grading

Name	Source type	Lw dB(A)	
Cons. N Bore Drill Rig 1	Area	108.7	
Cons. N Excavator 1	Area	108.7	
Cons. N Excavator 2	Area	108.7	
Cons. N Plate Compactor 1	Area	107.7	
Cons. N Roller 1	Area	104.7	
Cons. N Rubber Tired Loader 1	Area	106.7	
Cons. N Skid SteerLoader 1	Area	106.7	
Cons. N Water Truck 1	Area	103.7	

The ROW
Calculated Noise Levels - 01b - Construction North Building - Grading

Source	Source type	Leq,d dB(A)	
Receiver R1 Leq,d 37.1 dB(A)			
Cons. N Bore Drill Rig 1	Area	29.5	
Cons. N Excavator 1	Area	29.5	
Cons. N Excavator 2	Area	29.5	
Cons. N Plate Compactor 1	Area	28.5	
Cons. N Roller 1	Area	25.5	
Cons. N Rubber Tired Loader 1	Area	27.5	
Cons. N Skid SteerLoader 1	Area	27.5	
Cons. N Water Truck 1	Area	24.5	
Receiver R2 Leq,d 61.0 dB(A)			
Cons. N Bore Drill Rig 1	Area	53.4	
Cons. N Excavator 1	Area	53.4	
Cons. N Excavator 2	Area	53.4	
Cons. N Plate Compactor 1	Area	52.4	
Cons. N Roller 1	Area	49.4	
Cons. N Rubber Tired Loader 1	Area	51.4	
Cons. N Skid SteerLoader 1	Area	51.4	
Cons. N Water Truck 1	Area	48.4	
Receiver R3 Leq,d 58.8 dB(A)			
Cons. N Bore Drill Rig 1	Area	51.2	
Cons. N Excavator 1	Area	51.2	
Cons. N Excavator 2	Area	51.2	
Cons. N Plate Compactor 1	Area	50.2	
Cons. N Roller 1	Area	47.2	
Cons. N Rubber Tired Loader 1	Area	49.2	
Cons. N Skid SteerLoader 1	Area	49.2	
Cons. N Water Truck 1	Area	46.2	
Receiver R4 Leq,d 68.9 dB(A)			
Cons. N Bore Drill Rig 1	Area	61.3	
Cons. N Excavator 1	Area	61.3	
Cons. N Excavator 2	Area	61.3	
Cons. N Plate Compactor 1	Area	60.3	
Cons. N Roller 1	Area	57.3	
Cons. N Rubber Tired Loader 1	Area	59.3	
Cons. N Skid SteerLoader 1	Area	59.3	
Cons. N Water Truck 1	Area	56.3	

The ROW
Source Levels in dB(A) - 01c - Construction North Building - Foundation Structure

Name	Source type	Lw dB(A)	
Cons. N Air Compressor 1	Area	105.7	
Cons. N Cement Mortar Mixer 1	Area	108.6	
Cons. N Concrete Saw 1	Area	114.7	
Cons. N Crane (Mobile)	Area	104.7	
Cons. N Crane (Tower) 1	Area	104.7	
Cons. N Excavator 1	Area	108.7	
Cons. N Forklift 1	Area	99.7	
Cons. N Forklift 2	Area	99.7	
Cons. N Plate Compactor 1	Area	107.7	
Cons. N Pump 1	Area	109.6	
Cons. N Rough Terrain Forklift 1	Area	110.7	
Cons. N Tractor Loader Backhoe 1	Area	111.7	
Cons. N Welder 1	Area	101.7	

The ROW
Calculated Noise Levels - 01c - Construction North Building - Foundation Structure

Source	Source type	Leq,d dB(A)	
Receiver R1 Leq,d 40.6 dB(A)			
Cons. N Air Compressor 1	Area	26.3	
Cons. N Cement Mortar Mixer 1	Area	29.4	
Cons. N Concrete Saw 1	Area	35.3	
Cons. N Crane (Mobile)	Area	25.5	
Cons. N Crane (Tower) 1	Area	25.5	
Cons. N Excavator 1	Area	29.5	
Cons. N Forklift 1	Area	20.5	
Cons. N Forklift 2	Area	20.5	
Cons. N Plate Compactor 1	Area	28.5	
Cons. N Pump 1	Area	30.4	
Cons. N Rough Terrain Forklift 1	Area	31.5	
Cons. N Tractor Loader Backhoe 1	Area	32.5	
Cons. N Welder 1	Area	22.3	
Receiver R2 Leq,d 64.6 dB(A)			
Cons. N Air Compressor 1	Area	50.2	
Cons. N Cement Mortar Mixer 1	Area	53.3	
Cons. N Concrete Saw 1	Area	59.2	
Cons. N Crane (Mobile)	Area	49.4	
Cons. N Crane (Tower) 1	Area	49.4	
Cons. N Excavator 1	Area	53.4	
Cons. N Forklift 1	Area	44.4	
Cons. N Forklift 2	Area	44.4	
Cons. N Plate Compactor 1	Area	52.4	
Cons. N Pump 1	Area	54.3	
Cons. N Rough Terrain Forklift 1	Area	55.4	
Cons. N Tractor Loader Backhoe 1	Area	56.4	
Cons. N Welder 1	Area	46.2	
Receiver R3 Leq,d 62.4 dB(A)			
Cons. N Air Compressor 1	Area	48.1	
Cons. N Cement Mortar Mixer 1	Area	51.1	
Cons. N Concrete Saw 1	Area	57.1	
Cons. N Crane (Mobile)	Area	47.2	
Cons. N Crane (Tower) 1	Area	47.2	
Cons. N Excavator 1	Area	51.2	
Cons. N Forklift 1	Area	42.2	
Cons. N Forklift 2	Area	42.2	
Cons. N Plate Compactor 1	Area	50.2	
Cons. N Pump 1	Area	52.1	
Cons. N Rough Terrain Forklift 1	Area	53.2	
Cons. N Tractor Loader Backhoe 1	Area	54.2	
Cons. N Welder 1	Area	44.1	

The ROW
Calculated Noise Levels - 01c - Construction North Building - Foundation Structure

Source	Source type	Leq,d dB(A)	
Receiver R4 Leq,d 72.4 dB(A)			
Cons. N Air Compressor 1	Area	57.9	
Cons. N Cement Mortar Mixer 1	Area	61.2	
Cons. N Concrete Saw 1	Area	66.9	
Cons. N Crane (Mobile)	Area	57.3	
Cons. N Crane (Tower) 1	Area	57.3	
Cons. N Excavator 1	Area	61.3	
Cons. N Forklift 1	Area	52.3	
Cons. N Forklift 2	Area	52.3	
Cons. N Plate Compactor 1	Area	60.3	
Cons. N Pump 1	Area	62.2	
Cons. N Rough Terrain Forklift 1	Area	63.3	
Cons. N Tractor Loader Backhoe 1	Area	64.3	
Cons. N Welder 1	Area	53.9	

The ROW
Source Levels in dB(A) - 01d - Construction North Building - Interior

Name	Source type	Lw dB(A)	
Cons. N Aerial Lift 1	Area	99.7	

The ROW
Calculated Noise Levels - 01d - Construction North Building - Interior

Source	Source type	Leq,d dB(A)	
Receiver R1 Leq,d 20.5 dB(A)			
Cons. N Aerial Lift 1	Area	20.5	
Receiver R2 Leq,d 44.4 dB(A)			
Cons. N Aerial Lift 1	Area	44.4	
Receiver R3 Leq,d 42.2 dB(A)			
Cons. N Aerial Lift 1	Area	42.2	
Receiver R4 Leq,d 52.3 dB(A)			
Cons. N Aerial Lift 1	Area	52.3	

The ROW
Source Levels in dB(A) - 01e - Construction North Building - Paving Landscape

Name	Source type	Lw dB(A)	
Cons. N Crane (Mobile)	Area	104.7	
Cons. N Paving Equipmen 1	Area	105.6	
Cons. N Plate Compactor 1	Area	107.7	
Cons. N Roller 1	Area	104.7	
Cons. N Signal Board 1	Area	101.6	
Cons. N Tractor Loader Backhoe 1	Area	111.7	
Cons. N Water Truck 1	Area	103.7	

The ROW
Calculated Noise Levels - 01e - Construction North Building - Paving Landscape

Source	Source type	Leq,d dB(A)	
Receiver R1 Leq,d 36.1 dB(A)			
Cons. N Crane (Mobile)	Area	25.5	
Cons. N Paving Equipmen 1	Area	26.4	
Cons. N Plate Compactor 1	Area	28.5	
Cons. N Roller 1	Area	25.5	
Cons. N Signal Board 1	Area	22.4	
Cons. N Tractor Loader Backhoe 1	Area	32.5	
Cons. N Water Truck 1	Area	24.5	
Receiver R2 Leq,d 60.0 dB(A)			
Cons. N Crane (Mobile)	Area	49.4	
Cons. N Paving Equipmen 1	Area	50.3	
Cons. N Plate Compactor 1	Area	52.4	
Cons. N Roller 1	Area	49.4	
Cons. N Signal Board 1	Area	46.3	
Cons. N Tractor Loader Backhoe 1	Area	56.4	
Cons. N Water Truck 1	Area	48.4	
Receiver R3 Leq,d 57.8 dB(A)			
Cons. N Crane (Mobile)	Area	47.2	
Cons. N Paving Equipmen 1	Area	48.1	
Cons. N Plate Compactor 1	Area	50.2	
Cons. N Roller 1	Area	47.2	
Cons. N Signal Board 1	Area	44.1	
Cons. N Tractor Loader Backhoe 1	Area	54.2	
Cons. N Water Truck 1	Area	46.2	
Receiver R4 Leq,d 67.9 dB(A)			
Cons. N Crane (Mobile)	Area	57.3	
Cons. N Paving Equipmen 1	Area	58.2	
Cons. N Plate Compactor 1	Area	60.3	
Cons. N Roller 1	Area	57.3	
Cons. N Signal Board 1	Area	54.2	
Cons. N Tractor Loader Backhoe 1	Area	64.3	
Cons. N Water Truck 1	Area	56.3	

The ROW
Source Levels in dB(A) - 01f - Construction North Building - Off-Site Improvements

Name	Source type	Lw dB(A)	
North OS Air Compressor 1	Area	105.7	
North OS Air Compressor 1	Area	105.7	
North OS Tractor Loader Backhoe 1	Area	111.7	
North OS Tractor Loader Backhoe 1	Area	111.7	

The ROW
Calculated Noise Levels - 01f - Construction North Building - Off-Site Improvements

Source	Source type	Leq,d dB(A)	
Receiver R1 Leq,d 37.1 dB(A)			
North OS Air Compressor 1	Area	27.7	
North OS Air Compressor 1	Area	26.0	
North OS Tractor Loader Backhoe 1	Area	33.9	
North OS Tractor Loader Backhoe 1	Area	32.3	
Receiver R2 Leq,d 59.5 dB(A)			
North OS Air Compressor 1	Area	50.6	
North OS Air Compressor 1	Area	47.7	
North OS Tractor Loader Backhoe 1	Area	56.8	
North OS Tractor Loader Backhoe 1	Area	53.8	
Receiver R3 Leq,d 59.3 dB(A)			
North OS Air Compressor 1	Area	49.9	
North OS Air Compressor 1	Area	48.4	
North OS Tractor Loader Backhoe 1	Area	56.0	
North OS Tractor Loader Backhoe 1	Area	54.5	
Receiver R4 Leq,d 74.2 dB(A)			
North OS Air Compressor 1	Area	62.8	
North OS Air Compressor 1	Area	64.2	
North OS Tractor Loader Backhoe 1	Area	69.5	
North OS Tractor Loader Backhoe 1	Area	71.0	

The ROW
Source Levels in dB(A) - 02a - Construction South Building A - Demo

Name	Source type	Lw dB(A)	
Cons. SA Air Compressor 1	Area	105.7	
Cons. SA Air Compressor 2	Area	105.7	
Cons. SA Excavator 1	Area	108.7	
Cons. SA Excavator 2	Area	108.7	
Cons. SA Generator Set 1	Area	109.6	
Cons. SA Skid Steer Loader 1	Area	106.7	
Cons. SA Skid Steer Loader 2	Area	106.7	
Cons. SA Skid Steer Loader 3	Area	106.7	
Cons. SA Tractor Loader Backhoe 1	Area	111.7	
Cons. SA Tractor Loader Backhoe 2	Area	111.7	
Cons. SA Tractor Loader Backhoe 3	Area	111.7	
Cons. SA Water Truck 1	Area	103.7	

The ROW
Calculated Noise Levels - 02a - Construction South Building A - Demo

Source	Source type	Leq,d dB(A)	
Receiver R1 Leq,d 36.9 dB(A)			
Cons. SA Air Compressor 1	Area	22.8	
Cons. SA Air Compressor 2	Area	22.8	
Cons. SA Excavator 1	Area	26.0	
Cons. SA Excavator 2	Area	26.0	
Cons. SA Generator Set 1	Area	26.7	
Cons. SA Skid Steer Loader 1	Area	24.0	
Cons. SA Skid Steer Loader 2	Area	24.0	
Cons. SA Skid Steer Loader 3	Area	24.0	
Cons. SA Tractor Loader Backhoe 1	Area	29.0	
Cons. SA Tractor Loader Backhoe 2	Area	29.0	
Cons. SA Tractor Loader Backhoe 3	Area	29.0	
Cons. SA Water Truck 1	Area	21.0	
Receiver R2 Leq,d 56.9 dB(A)			
Cons. SA Air Compressor 1	Area	42.9	
Cons. SA Air Compressor 2	Area	42.9	
Cons. SA Excavator 1	Area	45.9	
Cons. SA Excavator 2	Area	45.9	
Cons. SA Generator Set 1	Area	46.8	
Cons. SA Skid Steer Loader 1	Area	43.9	
Cons. SA Skid Steer Loader 2	Area	43.9	
Cons. SA Skid Steer Loader 3	Area	43.9	
Cons. SA Tractor Loader Backhoe 1	Area	48.9	
Cons. SA Tractor Loader Backhoe 2	Area	48.9	
Cons. SA Tractor Loader Backhoe 3	Area	48.9	
Cons. SA Water Truck 1	Area	40.9	
Receiver R3 Leq,d 55.7 dB(A)			
Cons. SA Air Compressor 1	Area	41.7	
Cons. SA Air Compressor 2	Area	41.7	
Cons. SA Excavator 1	Area	44.8	
Cons. SA Excavator 2	Area	44.8	
Cons. SA Generator Set 1	Area	45.6	
Cons. SA Skid Steer Loader 1	Area	42.8	
Cons. SA Skid Steer Loader 2	Area	42.8	
Cons. SA Skid Steer Loader 3	Area	42.8	
Cons. SA Tractor Loader Backhoe 1	Area	47.8	
Cons. SA Tractor Loader Backhoe 2	Area	47.8	
Cons. SA Tractor Loader Backhoe 3	Area	47.8	
Cons. SA Water Truck 1	Area	39.8	
Receiver R4 Leq,d 61.0 dB(A)			
Cons. SA Air Compressor 1	Area	47.0	

The ROW
Calculated Noise Levels - 02a - Construction South Building A - Demo

Source	Source type	Leq,d dB(A)	
Cons. SA Air Compressor 2	Area	47.0	
Cons. SA Excavator 1	Area	50.1	
Cons. SA Excavator 2	Area	50.1	
Cons. SA Generator Set 1	Area	50.9	
Cons. SA Skid Steer Loader 1	Area	48.1	
Cons. SA Skid Steer Loader 2	Area	48.1	
Cons. SA Skid Steer Loader 3	Area	48.1	
Cons. SA Tractor Loader Backhoe 1	Area	53.1	
Cons. SA Tractor Loader Backhoe 2	Area	53.1	
Cons. SA Tractor Loader Backhoe 3	Area	53.1	
Cons. SA Water Truck 1	Area	45.1	

The ROW
Source Levels in dB(A) - 02b - Construction South Building A - Grading

Name	Source type	Lw dB(A)	
Cons. SA Rubber Tired Loader 2	Area	106.7	
Cons. SA Bore Drill Rig 1	Area	108.7	
Cons. SA Bore Drill Rig 2	Area	108.7	
Cons. SA Excavator 1	Area	108.7	
Cons. SA Excavator 2	Area	108.7	
Cons. SA Excavator 3	Area	108.7	
Cons. SA Plate Compactor 1	Area	107.7	
Cons. SA Plate Compactor 2	Area	107.7	
Cons. SA Roller 1	Area	104.7	
Cons. SA Roller 2	Area	104.7	
Cons. SA Rubber Tired Loader 1	Area	106.7	
Cons. SA Skid Steer Loader 1	Area	106.7	
Cons. SA Skid Steer Loader 2	Area	106.7	
Cons. SA Water Truck 1	Area	103.7	

The ROW
Calculated Noise Levels - 02b - Construction South Building A - Grading

Source	Source type	Leq,d dB(A)	
Receiver R1 Leq,d 36.1 dB(A)			
Cons. SA Bore Drill Rig 1	Area	26.0	
Cons. SA Bore Drill Rig 2	Area	26.0	
Cons. SA Excavator 1	Area	26.0	
Cons. SA Excavator 2	Area	26.0	
Cons. SA Excavator 3	Area	26.0	
Cons. SA Plate Compactor 1	Area	25.0	
Cons. SA Plate Compactor 2	Area	25.0	
Cons. SA Roller 1	Area	22.0	
Cons. SA Roller 2	Area	22.0	
Cons. SA Rubber Tired Loader 1	Area	24.0	
Cons. SA Rubber Tired Loader 2	Area	24.0	
Cons. SA Skid Steer Loader 1	Area	24.0	
Cons. SA Skid Steer Loader 2	Area	24.0	
Cons. SA Water Truck 1	Area	21.0	
Receiver R2 Leq,d 56.0 dB(A)			
Cons. SA Bore Drill Rig 1	Area	45.9	
Cons. SA Bore Drill Rig 2	Area	45.9	
Cons. SA Excavator 1	Area	45.9	
Cons. SA Excavator 2	Area	45.9	
Cons. SA Excavator 3	Area	45.9	
Cons. SA Plate Compactor 1	Area	44.9	
Cons. SA Plate Compactor 2	Area	44.9	
Cons. SA Roller 1	Area	41.9	
Cons. SA Roller 2	Area	41.9	
Cons. SA Rubber Tired Loader 1	Area	43.9	
Cons. SA Rubber Tired Loader 2	Area	43.9	
Cons. SA Skid Steer Loader 1	Area	43.9	
Cons. SA Skid Steer Loader 2	Area	43.9	
Cons. SA Water Truck 1	Area	40.9	
Receiver R3 Leq,d 54.9 dB(A)			
Cons. SA Bore Drill Rig 1	Area	44.8	
Cons. SA Bore Drill Rig 2	Area	44.8	
Cons. SA Excavator 1	Area	44.8	
Cons. SA Excavator 2	Area	44.8	
Cons. SA Excavator 3	Area	44.8	
Cons. SA Plate Compactor 1	Area	43.8	
Cons. SA Plate Compactor 2	Area	43.8	
Cons. SA Roller 1	Area	40.8	
Cons. SA Roller 2	Area	40.8	
Cons. SA Rubber Tired Loader 1	Area	42.8	
Cons. SA Rubber Tired Loader 2	Area	42.8	

The ROW
Calculated Noise Levels - 02b - Construction South Building A - Grading

Source	Source type	Leq,d dB(A)	
Cons. SA Skid Steer Loader 1	Area	42.8	
Cons. SA Skid Steer Loader 2	Area	42.8	
Cons. SA Water Truck 1	Area	39.8	
Receiver R4 Leq,d 60.2 dB(A)			
Cons. SA Bore Drill Rig 1	Area	50.1	
Cons. SA Bore Drill Rig 2	Area	50.1	
Cons. SA Excavator 1	Area	50.1	
Cons. SA Excavator 2	Area	50.1	
Cons. SA Excavator 3	Area	50.1	
Cons. SA Plate Compactor 1	Area	49.1	
Cons. SA Plate Compactor 2	Area	49.1	
Cons. SA Roller 1	Area	46.1	
Cons. SA Roller 2	Area	46.1	
Cons. SA Rubber Tired Loader 1	Area	48.1	
Cons. SA Rubber Tired Loader 2	Area	48.1	
Cons. SA Skid Steer Loader 1	Area	48.1	
Cons. SA Skid Steer Loader 2	Area	48.1	
Cons. SA Water Truck 1	Area	45.1	

The ROW
Source Levels in dB(A) - 02c - Construction South Building A - Foundation Structure

Name	Source type	Lw dB(A)	
Cons. SA Air Compressor 1	Area	105.7	
Cons. SA Air Compressor 2	Area	105.7	
Cons. SA Cement Mortar Mxixer 1	Area	108.6	
Cons. SA Concrete Saw 1	Area	114.7	
Cons. SA Concrete Saw 2	Area	114.7	
Cons. SA Concrete Saw 3	Area	114.7	
Cons. SA Crane (Mobile) 1	Area	104.7	
Cons. SA Crane (Tower) 1	Area	104.7	
Cons. SA Excavator 1	Area	108.7	
Cons. SA Forklift 1	Area	99.7	
Cons. SA Forklift 2	Area	99.7	
Cons. SA Plate Compactor 1	Area	107.7	
Cons. SA Plate Compactor 2	Area	107.7	
Cons. SA Pump 1	Area	109.6	
Cons. SA Pump 2	Area	109.6	
Cons. SA Rough Terrain Forklift 1	Area	110.7	
Cons. SA Rough Terrain Forklift 2	Area	110.7	
Cons. SA Rough Terrain Forklift 3	Area	110.7	
Cons. SA Tractor Loader Backhoe 1	Area	111.7	
Cons. SA Tractor Loader Backhoe 2	Area	111.7	
Cons. SA Welder 1	Area	101.7	
Cons. SA Welder 2	Area	101.7	

The ROW
Calculated Noise Levels - 02c - Construction South Building A - Foundation Structure

Source	Source type	Leq,d dB(A)	
Receiver R1 Leq,d 40.5 dB(A)			
Cons. SA Air Compressor 1	Area	22.8	
Cons. SA Air Compressor 2	Area	22.8	
Cons. SA Excavator 1	Area	26.0	
Cons. SA Tractor Loader Backhoe 1	Area	29.0	
Cons. SA Tractor Loader Backhoe 2	Area	29.0	
Cons. SA Cement Mortar Mxixer 1	Area	25.7	
Cons. SA Concrete Saw 1	Area	31.8	
Cons. SA Crane (Mobile) 1	Area	22.0	
Cons. SA Crane (Tower) 1	Area	22.0	
Cons. SA Forklift 1	Area	17.0	
Cons. SA Pump 1	Area	26.9	
Cons. SA Rough Terrain Forklift 1	Area	28.0	
Cons. SA Welder 1	Area	18.8	
Cons. SA Concrete Saw 2	Area	31.8	
Cons. SA Concrete Saw 3	Area	31.8	
Cons. SA Forklift 2	Area	17.0	
Cons. SA Plate Compactor 1	Area	25.0	
Cons. SA Plate Compactor 2	Area	25.0	
Cons. SA Pump 2	Area	26.9	
Cons. SA Rough Terrain Forklift 2	Area	28.0	
Cons. SA Rough Terrain Forklift 3	Area	28.0	
Cons. SA Welder 2	Area	18.8	
Receiver R2 Leq,d 60.6 dB(A)			
Cons. SA Air Compressor 1	Area	42.9	
Cons. SA Air Compressor 2	Area	42.9	
Cons. SA Excavator 1	Area	45.9	
Cons. SA Tractor Loader Backhoe 1	Area	48.9	
Cons. SA Tractor Loader Backhoe 2	Area	48.9	
Cons. SA Cement Mortar Mxixer 1	Area	45.8	
Cons. SA Concrete Saw 1	Area	51.9	
Cons. SA Crane (Mobile) 1	Area	41.9	
Cons. SA Crane (Tower) 1	Area	41.9	
Cons. SA Forklift 1	Area	36.9	
Cons. SA Pump 1	Area	46.8	
Cons. SA Rough Terrain Forklift 1	Area	47.9	
Cons. SA Welder 1	Area	38.9	
Cons. SA Concrete Saw 2	Area	51.9	
Cons. SA Concrete Saw 3	Area	51.9	
Cons. SA Forklift 2	Area	36.9	
Cons. SA Plate Compactor 1	Area	44.9	
Cons. SA Plate Compactor 2	Area	44.9	

The ROW
Calculated Noise Levels - 02c - Construction South Building A - Foundation Structure

Source	Source type	Leq,d dB(A)	
Cons. SA Pump 2	Area	46.8	
Cons. SA Rough Terrain Forklift 2	Area	47.9	
Cons. SA Rough Terrain Forklift 3	Area	47.9	
Cons. SA Welder 2	Area	38.9	
Receiver R3 Leq,d 59.4 dB(A)			
Cons. SA Air Compressor 1	Area	41.7	
Cons. SA Air Compressor 2	Area	41.7	
Cons. SA Excavator 1	Area	44.8	
Cons. SA Tractor Loader Backhoe 1	Area	47.8	
Cons. SA Tractor Loader Backhoe 2	Area	47.8	
Cons. SA Cement Mortar Mxixer 1	Area	44.6	
Cons. SA Concrete Saw 1	Area	50.7	
Cons. SA Crane (Mobile) 1	Area	40.8	
Cons. SA Crane (Tower) 1	Area	40.8	
Cons. SA Forklift 1	Area	35.8	
Cons. SA Pump 1	Area	45.7	
Cons. SA Rough Terrain Forklift 1	Area	46.8	
Cons. SA Welder 1	Area	37.7	
Cons. SA Concrete Saw 2	Area	50.7	
Cons. SA Concrete Saw 3	Area	50.7	
Cons. SA Forklift 2	Area	35.8	
Cons. SA Plate Compactor 1	Area	43.8	
Cons. SA Plate Compactor 2	Area	43.8	
Cons. SA Pump 2	Area	45.7	
Cons. SA Rough Terrain Forklift 2	Area	46.8	
Cons. SA Rough Terrain Forklift 3	Area	46.8	
Cons. SA Welder 2	Area	37.7	
Receiver R4 Leq,d 64.7 dB(A)			
Cons. SA Air Compressor 1	Area	47.0	
Cons. SA Air Compressor 2	Area	47.0	
Cons. SA Excavator 1	Area	50.1	
Cons. SA Tractor Loader Backhoe 1	Area	53.1	
Cons. SA Tractor Loader Backhoe 2	Area	53.1	
Cons. SA Cement Mortar Mxixer 1	Area	49.9	
Cons. SA Concrete Saw 1	Area	56.0	
Cons. SA Crane (Mobile) 1	Area	46.1	
Cons. SA Crane (Tower) 1	Area	46.1	
Cons. SA Forklift 1	Area	41.1	
Cons. SA Pump 1	Area	51.0	
Cons. SA Rough Terrain Forklift 1	Area	52.1	
Cons. SA Welder 1	Area	43.0	
Cons. SA Concrete Saw 2	Area	56.0	

The ROW
Calculated Noise Levels - 02c - Construction South Building A - Foundation Structure

Source	Source type	Leq,d dB(A)	
Cons. SA Concrete Saw 3	Area	56.0	
Cons. SA Forklift 2	Area	41.1	
Cons. SA Plate Compactor 1	Area	49.1	
Cons. SA Plate Compactor 2	Area	49.1	
Cons. SA Pump 2	Area	51.0	
Cons. SA Rough Terrain Forklift 2	Area	52.1	
Cons. SA Rough Terrain Forklift 3	Area	52.1	
Cons. SA Welder 2	Area	43.0	

The ROW
Source Levels in dB(A) - 02d - Construction South Building A - Interior

Name	Source type	Lw dB(A)	
Cons. SA Crane (Tower) 1	Area	104.7	
Cons. SB Aerial Lift 1	Area	99.7	
Cons. SB Aerial Lift 2	Area	99.7	
Cons. SB Aerial Lift 3	Area	99.7	

The ROW
Calculated Noise Levels - 02d - Construction South Building A - Interior

Source	Source type	Leq,d dB(A)	
Receiver R1 Leq,d 24.9 dB(A)			
Cons. SA Crane (Tower) 1	Area	22.0	
Cons. SB Aerial Lift 1	Area	17.0	
Cons. SB Aerial Lift 2	Area	17.0	
Cons. SB Aerial Lift 3	Area	17.0	
Receiver R2 Leq,d 44.8 dB(A)			
Cons. SA Crane (Tower) 1	Area	41.9	
Cons. SB Aerial Lift 1	Area	36.9	
Cons. SB Aerial Lift 2	Area	36.9	
Cons. SB Aerial Lift 3	Area	36.9	
Receiver R3 Leq,d 43.7 dB(A)			
Cons. SA Crane (Tower) 1	Area	40.8	
Cons. SB Aerial Lift 1	Area	35.8	
Cons. SB Aerial Lift 2	Area	35.8	
Cons. SB Aerial Lift 3	Area	35.8	
Receiver R4 Leq,d 49.0 dB(A)			
Cons. SA Crane (Tower) 1	Area	46.1	
Cons. SB Aerial Lift 1	Area	41.1	
Cons. SB Aerial Lift 2	Area	41.1	
Cons. SB Aerial Lift 3	Area	41.1	

The ROW
Source Levels in dB(A) - 02e - Construction South Building A - Paving Landscape

Name	Source type	Lw dB(A)	
Cons. SA Crane (Mobile) 1	Area	104.7	
Cons. SA Paving Equipment 1	Area	105.6	
Cons. SA Plate Compactor 1	Area	107.7	
Cons. SA Plate Compactor 2	Area	107.7	
Cons. SA Roller 1	Area	104.7	
Cons. SA Roller 2	Area	104.7	
Cons. SA Signal Board 1	Area	101.6	
Cons. SA Signal Board 2	Area	101.6	
Cons. SA Tractor Loader Backhoe 1	Area	111.7	
Cons. SA Tractor Loader Backhoe 2	Area	111.7	
Cons. SA Water Truck 1	Area	103.7	

The ROW
Calculated Noise Levels - 02e - Construction South Building A - Paving Landscape

Source	Source type	Leq,d dB(A)	
Receiver R1 Leq,d 35.0 dB(A)			
Cons. SA Crane (Mobile) 1	Area	22.0	
Cons. SA Plate Compactor 1	Area	25.0	
Cons. SA Plate Compactor 2	Area	25.0	
Cons. SA Roller 1	Area	22.0	
Cons. SA Roller 2	Area	22.0	
Cons. SA Tractor Loader Backhoe 1	Area	29.0	
Cons. SA Tractor Loader Backhoe 2	Area	29.0	
Cons. SA Water Truck 1	Area	21.0	
Cons. SA Paving Equipment 1	Area	22.9	
Cons. SA Signal Board 1	Area	18.9	
Cons. SA Signal Board 2	Area	18.9	
Receiver R2 Leq,d 55.0 dB(A)			
Cons. SA Crane (Mobile) 1	Area	41.9	
Cons. SA Plate Compactor 1	Area	44.9	
Cons. SA Plate Compactor 2	Area	44.9	
Cons. SA Roller 1	Area	41.9	
Cons. SA Roller 2	Area	41.9	
Cons. SA Tractor Loader Backhoe 1	Area	48.9	
Cons. SA Tractor Loader Backhoe 2	Area	48.9	
Cons. SA Water Truck 1	Area	40.9	
Cons. SA Paving Equipment 1	Area	42.8	
Cons. SA Signal Board 1	Area	38.8	
Cons. SA Signal Board 2	Area	38.8	
Receiver R3 Leq,d 53.8 dB(A)			
Cons. SA Crane (Mobile) 1	Area	40.8	
Cons. SA Plate Compactor 1	Area	43.8	
Cons. SA Plate Compactor 2	Area	43.8	
Cons. SA Roller 1	Area	40.8	
Cons. SA Roller 2	Area	40.8	
Cons. SA Tractor Loader Backhoe 1	Area	47.8	
Cons. SA Tractor Loader Backhoe 2	Area	47.8	
Cons. SA Water Truck 1	Area	39.8	
Cons. SA Paving Equipment 1	Area	41.7	
Cons. SA Signal Board 1	Area	37.7	
Cons. SA Signal Board 2	Area	37.7	
Receiver R4 Leq,d 59.1 dB(A)			
Cons. SA Crane (Mobile) 1	Area	46.1	
Cons. SA Plate Compactor 1	Area	49.1	
Cons. SA Plate Compactor 2	Area	49.1	
Cons. SA Roller 1	Area	46.1	

The ROW
Calculated Noise Levels - 02e - Construction South Building A - Paving Landscape

Source	Source type	Leq,d dB(A)	
Cons. SA Roller 2	Area	46.1	
Cons. SA Tractor Loader Backhoe 1	Area	53.1	
Cons. SA Tractor Loader Backhoe 2	Area	53.1	
Cons. SA Water Truck 1	Area	45.1	
Cons. SA Paving Equipment 1	Area	47.0	
Cons. SA Signal Board 1	Area	43.0	
Cons. SA Signal Board 2	Area	43.0	

The ROW
Source Levels in dB(A) - 02f - Construction South Building A - Off-Site Improvements

Name	Source type	Lw dB(A)	
South A OS Air Compressor 1	Area	105.7	
South A OS Tractor Loader Backhoe 1	Area	111.7	

The ROW
Calculated Noise Levels - 02f - Construction South Building A - Off-Site Improvements

Source	Source type	Leq,d dB(A)	
Receiver R1 Leq,d 32.3 dB(A)			
South A OS Air Compressor 1	Area	25.1	
South A OS Tractor Loader Backhoe 1	Area	31.4	
Receiver R2 Leq,d 48.5 dB(A)			
South A OS Air Compressor 1	Area	41.5	
South A OS Tractor Loader Backhoe 1	Area	47.6	
Receiver R3 Leq,d 49.9 dB(A)			
South A OS Air Compressor 1	Area	42.9	
South A OS Tractor Loader Backhoe 1	Area	49.0	
Receiver R4 Leq,d 53.1 dB(A)			
South A OS Air Compressor 1	Area	46.1	
South A OS Tractor Loader Backhoe 1	Area	52.1	

The ROW
Source Levels in dB(A) - 03a - Construction South Building B - Demo

Name	Source type	Lw dB(A)	
Cons. SB Air Compressor 1	Area	105.7	
Cons. SB Air Compressor 2	Area	105.7	
Cons. SB Excavator 1	Area	108.7	
Cons. SB Generator Set 1	Area	109.6	
Cons. SB Skid Steer Loader 1	Area	106.7	
Cons. SB Skid Steer Loader 2	Area	106.7	
Cons. SB Tractor Loader Backhoe 1	Area	111.7	
Cons. SB Water Truck 1	Area	103.7	

The ROW
Calculated Noise Levels - 03a - Construction South Building B - Demo

Source	Source type	Leq,d dB(A)	
Receiver R1 Leq,d 36.3 dB(A)			
Cons. SB Air Compressor 1	Area	24.7	
Cons. SB Air Compressor 2	Area	24.7	
Cons. SB Excavator 1	Area	28.0	
Cons. SB Generator Set 1	Area	28.9	
Cons. SB Skid Steer Loader 1	Area	26.0	
Cons. SB Skid Steer Loader 2	Area	26.0	
Cons. SB Tractor Loader Backhoe 1	Area	31.0	
Cons. SB Water Truck 1	Area	23.0	
Receiver R2 Leq,d 56.7 dB(A)			
Cons. SB Air Compressor 1	Area	45.3	
Cons. SB Air Compressor 2	Area	45.3	
Cons. SB Excavator 1	Area	48.4	
Cons. SB Generator Set 1	Area	49.3	
Cons. SB Skid Steer Loader 1	Area	46.4	
Cons. SB Skid Steer Loader 2	Area	46.4	
Cons. SB Tractor Loader Backhoe 1	Area	51.4	
Cons. SB Water Truck 1	Area	43.4	
Receiver R3 Leq,d 56.2 dB(A)			
Cons. SB Air Compressor 1	Area	44.8	
Cons. SB Air Compressor 2	Area	44.8	
Cons. SB Excavator 1	Area	47.9	
Cons. SB Generator Set 1	Area	48.8	
Cons. SB Skid Steer Loader 1	Area	45.9	
Cons. SB Skid Steer Loader 2	Area	45.9	
Cons. SB Tractor Loader Backhoe 1	Area	50.9	
Cons. SB Water Truck 1	Area	42.9	
Receiver R4 Leq,d 62.7 dB(A)			
Cons. SB Air Compressor 1	Area	51.2	
Cons. SB Air Compressor 2	Area	51.2	
Cons. SB Excavator 1	Area	54.3	
Cons. SB Generator Set 1	Area	55.2	
Cons. SB Skid Steer Loader 1	Area	52.3	
Cons. SB Skid Steer Loader 2	Area	52.3	
Cons. SB Tractor Loader Backhoe 1	Area	57.3	
Cons. SB Water Truck 1	Area	49.3	

The ROW
Source Levels in dB(A) - 03b - Construction South Building B - Grading

Name	Source type	Lw dB(A)	
Cons. SB Bore Drill Rig 1	Area	108.7	
Cons. SB Excavator 1	Area	108.7	
Cons. SB Excavator 2	Area	108.7	
Cons. SB Plate Compactor 1	Area	107.7	
Cons. SB Plate Compactor 2	Area	107.7	
Cons. SB Roller 1	Area	104.7	
Cons. SB Rubber Tired Loader 1	Area	106.7	
Cons. SB Skid Steer Loader 1	Area	106.7	
Cons. SB Skid Steer Loader 2	Area	106.7	
Cons. SB Water Truck 1	Area	103.7	

The ROW
Calculated Noise Levels - 03b - Construction South Building B - Grading

Source	Source type	Leq,d dB(A)	
Receiver R1 Leq,d 36.6 dB(A)			
Cons. SB Bore Drill Rig 1	Area	28.0	
Cons. SB Excavator 1	Area	28.0	
Cons. SB Excavator 2	Area	28.0	
Cons. SB Plate Compactor 1	Area	27.0	
Cons. SB Plate Compactor 2	Area	27.0	
Cons. SB Roller 1	Area	24.0	
Cons. SB Rubber Tired Loader 1	Area	26.0	
Cons. SB Skid Steer Loader 1	Area	26.0	
Cons. SB Skid Steer Loader 2	Area	26.0	
Cons. SB Water Truck 1	Area	23.0	
Receiver R2 Leq,d 57.0 dB(A)			
Cons. SB Bore Drill Rig 1	Area	48.4	
Cons. SB Excavator 1	Area	48.4	
Cons. SB Excavator 2	Area	48.4	
Cons. SB Plate Compactor 1	Area	47.4	
Cons. SB Plate Compactor 2	Area	47.4	
Cons. SB Roller 1	Area	44.4	
Cons. SB Rubber Tired Loader 1	Area	46.4	
Cons. SB Skid Steer Loader 1	Area	46.4	
Cons. SB Skid Steer Loader 2	Area	46.4	
Cons. SB Water Truck 1	Area	43.4	
Receiver R3 Leq,d 56.4 dB(A)			
Cons. SB Bore Drill Rig 1	Area	47.9	
Cons. SB Excavator 1	Area	47.9	
Cons. SB Excavator 2	Area	47.9	
Cons. SB Plate Compactor 1	Area	46.9	
Cons. SB Plate Compactor 2	Area	46.9	
Cons. SB Roller 1	Area	43.9	
Cons. SB Rubber Tired Loader 1	Area	45.9	
Cons. SB Skid Steer Loader 1	Area	45.9	
Cons. SB Skid Steer Loader 2	Area	45.9	
Cons. SB Water Truck 1	Area	42.9	
Receiver R4 Leq,d 62.9 dB(A)			
Cons. SB Bore Drill Rig 1	Area	54.3	
Cons. SB Excavator 1	Area	54.3	
Cons. SB Excavator 2	Area	54.3	
Cons. SB Plate Compactor 1	Area	53.3	
Cons. SB Plate Compactor 2	Area	53.3	
Cons. SB Roller 1	Area	50.3	
Cons. SB Rubber Tired Loader 1	Area	52.3	

The ROW
Calculated Noise Levels - 03b - Construction South Building B - Grading

Source	Source type	Leq,d dB(A)	
Cons. SB Skid Steer Loader 1	Area	52.3	
Cons. SB Skid Steer Loader 2	Area	52.3	
Cons. SB Water Truck 1	Area	49.3	

The ROW
Source Levels in dB(A) - 03c - Construction South Building B - Foundation Structure

Name	Source type	Lw dB(A)	
Cons. SB Air Compressor 1	Area	105.7	
Cons. SB Air Compressor 2	Area	105.7	
Cons. SB Cement Mortar Mixer 1	Area	108.6	
Cons. SB Concrete Saw 1	Area	114.7	
Cons. SB Concrete Saw 2	Area	114.7	
Cons. SB Crane (Mobile) 1	Area	104.7	
Cons. SB Excavator 1	Area	108.7	
Cons. SB Forklift 1	Area	99.7	
Cons. SB Forklift 2	Area	99.7	
Cons. SB Plate Compactor 1	Area	107.7	
Cons. SB Plate Compactor 2	Area	107.7	
Cons. SB Pump 1	Area	109.6	
Cons. SB Rough Terrain Forklift 1	Area	110.7	
Cons. SB Rough Terrain Forklift 2	Area	110.7	
Cons. SB Tractor Loader Backhoe 1	Area	111.7	
Cons. SB Welder 1	Area	101.7	
Cons. SB Welder 2	Area	101.7	

The ROW
Calculated Noise Levels - 03c - Construction South Building B - Foundation Structure

Source	Source type	Leq,d dB(A)	
Receiver R1 Leq,d 40.9 dB(A)			
Cons. SB Air Compressor 1	Area	24.7	
Cons. SB Air Compressor 2	Area	24.7	
Cons. SB Cement Mortar Mixer 1	Area	27.6	
Cons. SB Concrete Saw 1	Area	33.7	
Cons. SB Concrete Saw 2	Area	33.7	
Cons. SB Crane (Mobile) 1	Area	24.0	
Cons. SB Excavator 1	Area	28.0	
Cons. SB Forklift 1	Area	19.0	
Cons. SB Forklift 2	Area	19.0	
Cons. SB Plate Compactor 1	Area	27.0	
Cons. SB Plate Compactor 2	Area	27.0	
Cons. SB Pump 1	Area	28.9	
Cons. SB Rough Terrain Forklift 1	Area	30.0	
Cons. SB Rough Terrain Forklift 2	Area	30.0	
Cons. SB Tractor Loader Backhoe 1	Area	31.0	
Cons. SB Welder 1	Area	20.7	
Cons. SB Welder 2	Area	20.7	
Receiver R2 Leq,d 61.4 dB(A)			
Cons. SB Air Compressor 1	Area	45.3	
Cons. SB Air Compressor 2	Area	45.3	
Cons. SB Cement Mortar Mixer 1	Area	48.2	
Cons. SB Concrete Saw 1	Area	54.3	
Cons. SB Concrete Saw 2	Area	54.3	
Cons. SB Crane (Mobile) 1	Area	44.4	
Cons. SB Excavator 1	Area	48.4	
Cons. SB Forklift 1	Area	39.4	
Cons. SB Forklift 2	Area	39.4	
Cons. SB Plate Compactor 1	Area	47.4	
Cons. SB Plate Compactor 2	Area	47.4	
Cons. SB Pump 1	Area	49.3	
Cons. SB Rough Terrain Forklift 1	Area	50.4	
Cons. SB Rough Terrain Forklift 2	Area	50.4	
Cons. SB Tractor Loader Backhoe 1	Area	51.4	
Cons. SB Welder 1	Area	41.3	
Cons. SB Welder 2	Area	41.3	
Receiver R3 Leq,d 60.8 dB(A)			
Cons. SB Air Compressor 1	Area	44.8	
Cons. SB Air Compressor 2	Area	44.8	
Cons. SB Cement Mortar Mixer 1	Area	47.7	
Cons. SB Concrete Saw 1	Area	53.8	
Cons. SB Concrete Saw 2	Area	53.8	

The ROW
Calculated Noise Levels - 03c - Construction South Building B - Foundation Structure

Source	Source type	Leq,d dB(A)	
Cons. SB Crane (Mobile) 1	Area	43.9	
Cons. SB Excavator 1	Area	47.9	
Cons. SB Forklift 1	Area	38.9	
Cons. SB Forklift 2	Area	38.9	
Cons. SB Plate Compactor 1	Area	46.9	
Cons. SB Plate Compactor 2	Area	46.9	
Cons. SB Pump 1	Area	48.8	
Cons. SB Rough Terrain Forklift 1	Area	49.9	
Cons. SB Rough Terrain Forklift 2	Area	49.9	
Cons. SB Tractor Loader Backhoe 1	Area	50.9	
Cons. SB Welder 1	Area	40.8	
Cons. SB Welder 2	Area	40.8	
Receiver R4 Leq,d 67.3 dB(A)			
Cons. SB Air Compressor 1	Area	51.2	
Cons. SB Air Compressor 2	Area	51.2	
Cons. SB Cement Mortar Mixer 1	Area	54.1	
Cons. SB Concrete Saw 1	Area	60.2	
Cons. SB Concrete Saw 2	Area	60.2	
Cons. SB Crane (Mobile) 1	Area	50.3	
Cons. SB Excavator 1	Area	54.3	
Cons. SB Forklift 1	Area	45.3	
Cons. SB Forklift 2	Area	45.3	
Cons. SB Plate Compactor 1	Area	53.3	
Cons. SB Plate Compactor 2	Area	53.3	
Cons. SB Pump 1	Area	55.2	
Cons. SB Rough Terrain Forklift 1	Area	56.3	
Cons. SB Rough Terrain Forklift 2	Area	56.3	
Cons. SB Tractor Loader Backhoe 1	Area	57.3	
Cons. SB Welder 1	Area	47.2	
Cons. SB Welder 2	Area	47.2	

The ROW
Source Levels in dB(A) - 03d - Construction South Building B - Interior

Name	Source type	Lw dB(A)	
Cons. SB Aerial Lift 1	Area	99.7	
Cons. SB Aerial Lift 2	Area	99.7	

The ROW
Calculated Noise Levels - 03d - Construction South Building B - Interior

Source	Source type	Leq,d dB(A)	
Receiver R1 Leq,d 22.0 dB(A)			
Cons. SB Aerial Lift 1	Area	19.0	
Cons. SB Aerial Lift 2	Area	19.0	
Receiver R2 Leq,d 42.4 dB(A)			
Cons. SB Aerial Lift 1	Area	39.4	
Cons. SB Aerial Lift 2	Area	39.4	
Receiver R3 Leq,d 41.9 dB(A)			
Cons. SB Aerial Lift 1	Area	38.9	
Cons. SB Aerial Lift 2	Area	38.9	
Receiver R4 Leq,d 48.4 dB(A)			
Cons. SB Aerial Lift 1	Area	45.3	
Cons. SB Aerial Lift 2	Area	45.3	

The ROW
Source Levels in dB(A) - 03e - Construction South Building B - Paving Landscape

Name	Source type	Lw dB(A)	
Cons. SB Crane (Mobile) 1	Area	104.7	
Cons. SB Paving Equipment 1	Area	105.6	
Cons. SB Plate Compactor 1	Area	107.7	
Cons. SB Plate Compactor 2	Area	107.7	
Cons. SB Roller 1	Area	104.7	
Cons. SB Signal Board 1	Area	101.6	
Cons. SB Signal Board 2	Area	101.6	
Cons. SB Tractor Loader Backhoe 1	Area	111.7	
Cons. SB Tractor Loader Backhoe 2	Area	111.7	
Cons. SB Water Truck 1	Area	103.7	

The ROW
Calculated Noise Levels - 03e - Construction South Building B - Paving Landscape

Source	Source type	Leq,d dB(A)	
Receiver R1 Leq,d 36.8 dB(A)			
Cons. SB Crane (Mobile) 1	Area	24.0	
Cons. SB Paving Equipment 1	Area	24.9	
Cons. SB Plate Compactor 1	Area	27.0	
Cons. SB Plate Compactor 2	Area	27.0	
Cons. SB Roller 1	Area	24.0	
Cons. SB Signal Board 1	Area	20.9	
Cons. SB Signal Board 2	Area	20.9	
Cons. SB Tractor Loader Backhoe 1	Area	31.0	
Cons. SB Tractor Loader Backhoe 2	Area	31.0	
Cons. SB Water Truck 1	Area	23.0	
Receiver R2 Leq,d 57.2 dB(A)			
Cons. SB Crane (Mobile) 1	Area	44.4	
Cons. SB Paving Equipment 1	Area	45.3	
Cons. SB Plate Compactor 1	Area	47.4	
Cons. SB Plate Compactor 2	Area	47.4	
Cons. SB Roller 1	Area	44.4	
Cons. SB Signal Board 1	Area	41.3	
Cons. SB Signal Board 2	Area	41.3	
Cons. SB Tractor Loader Backhoe 1	Area	51.4	
Cons. SB Tractor Loader Backhoe 2	Area	51.4	
Cons. SB Water Truck 1	Area	43.4	
Receiver R3 Leq,d 56.7 dB(A)			
Cons. SB Crane (Mobile) 1	Area	43.9	
Cons. SB Paving Equipment 1	Area	44.8	
Cons. SB Plate Compactor 1	Area	46.9	
Cons. SB Plate Compactor 2	Area	46.9	
Cons. SB Roller 1	Area	43.9	
Cons. SB Signal Board 1	Area	40.8	
Cons. SB Signal Board 2	Area	40.8	
Cons. SB Tractor Loader Backhoe 1	Area	50.9	
Cons. SB Tractor Loader Backhoe 2	Area	50.9	
Cons. SB Water Truck 1	Area	42.9	
Receiver R4 Leq,d 63.1 dB(A)			
Cons. SB Crane (Mobile) 1	Area	50.3	
Cons. SB Paving Equipment 1	Area	51.2	
Cons. SB Plate Compactor 1	Area	53.3	
Cons. SB Plate Compactor 2	Area	53.3	
Cons. SB Roller 1	Area	50.3	
Cons. SB Signal Board 1	Area	47.2	
Cons. SB Signal Board 2	Area	47.2	

The ROW
Calculated Noise Levels - 03e - Construction South Building B - Paving Landscape

Source	Source type	Leq,d dB(A)	
Cons. SB Tractor Loader Backhoe 1	Area	57.3	
Cons. SB Tractor Loader Backhoe 2	Area	57.3	
Cons. SB Water Truck 1	Area	49.3	

The ROW
Source Levels in dB(A) - 03f - Construction South Building B - Off-Site Improvements

Name	Source type	Lw dB(A)	
South B OS Air Compressor	Area	105.7	
South B OS Tractor Loader Backhoe	Area	111.7	

The ROW
Calculated Noise Levels - 03f - Construction South Building B - Off-Site Improvements

Source	Source type	Leq,d dB(A)	
Receiver R1 Leq,d 32.3 dB(A)			
South B OS Air Compressor	Area	25.2	
South B OS Tractor Loader Backhoe	Area	31.4	
Receiver R2 Leq,d 50.1 dB(A)			
South B OS Air Compressor	Area	43.0	
South B OS Tractor Loader Backhoe	Area	49.1	
Receiver R3 Leq,d 51.9 dB(A)			
South B OS Air Compressor	Area	44.9	
South B OS Tractor Loader Backhoe	Area	51.0	
Receiver R4 Leq,d 57.9 dB(A)			
South B OS Air Compressor	Area	50.8	
South B OS Tractor Loader Backhoe	Area	57.0	

Project: The ROW DTLA Residential Project

Off-Site Haul Trucks

Phase	Maximum Number of Truck One Way Trips (delivery/haul)		Estimated Noise Levels, dBA Leq
	Per Day	Per Hour (8-hr day)	Alameda St.
TNM noise level for 1 trucks		1	48.4
SOUTH LOT BUILDING B			
1. Demo (6hrs)	24	4	54.4
2. Grading/Excavation (6hrs)	248	42	64.6
3. Foundation/Struture (8hrs)	160	14	59.9
4. Interior (8hrs)	36	5	55.4
5. Paving/Landscaping (8hrs)	30	4	54.4
SOUTH LOT BUILDING A			
1. Demo (6hrs)	24	4	54.4
2. Grading/Excavation (6hrs)	246	41	64.5
3. Foundation/Struture (8hrs)	200	17	60.7
4. Interior (8hrs)	36	5	55.4
5. Paving/Landscaping (8hrs)	30	4	54.4
NORTH LOT			
1. Demo (6hrs)	24	4	54.4
2. Grading/Excavation (6hrs)	246	41	64.5
3. Foundation/Struture (8hrs)	200	17	60.7
4. Interior (8hrs)	36	5	55.4
5. Paving/Landscaping (8hrs)	30	4	54.4
		Ambient	67.0
		Threshold	80.0
OVERLAPPING CONSTRUCTION			
SB Demo + SB Grading	272	46	65.0
SB Foundation + SB Interior	196	19	61.2
SB Foundation + SB Interior + SA Demo	220	23	62.0
SB Interior + SB Landscape	66	9	57.9
SB Interior + SA Grading	282	46	65.0
SB Interior + SA Foundation + SA Interior	272	27	62.7
SB Interior + SB Landscape + SA Interior	102	14	59.9
SA Foundation + SA Interior	236	22	61.8
SA Interior + SA Landscape	66	9	57.9

Eyestone Environmental 10 September 2025
SKB TNM 2.5

INPUT: ROADWAYS
PROJECT/CONTRACT: The ROW DTLA Residential Project
RUN: Construction Truck

Average pavement type shall be used unless a State highway agency substantiates the use of a different type with the approval of FHWA

Roadway Name	Width	Points Name	No.	Coordinates (pavement) X	Y	Z	Flow Control Control Device	Speed Constraint	Percent Vehicles Affected	Segment Pvmt Type	On Struct?
	ft			ft	ft	ft		mph	%		
Haul Route	12.0	point1	1	0.0	0.0	0.00	Signal	0.00	50	Average	
		point2	2	1,000.0	0.0	0.00					

Eyestone Environmental 10 September 2025
SKB TNM 2.5

INPUT: TRAFFIC FOR LAeq1h Volumes
PROJECT/CONTRACT: The ROW DTLA Residential Project
RUN: Construction Truck

Roadway Name	Points Name	No.	Segment	Autos		MTrucks		HTrucks		Buses		Motorcycles	
				V	S	V	S	V	S	V	S	V	S
				veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph
Haul Route	point1	1		0	0	0	0	1	35	0	0	0	0
	point2	2											

Eyestone Environmental
SKB

10 September 2025
TNM 2.5

INPUT: RECEIVERS
PROJECT/CONTRACT: The ROW DTLA Residential Project
RUN: Construction Truck

Receiver Name	No.	#DUs	Coordinates (ground) X	Y	Z	Height above Ground	Input Sound Levels and Criteria Existing LAeq1h	Impact Criteria LAeq1h	Sub'l	NR Goal	Active in Calc.
			ft	ft	ft	ft	dBA	dBA	dB	dB	
Receptor along Alameda	1	1	500.0	50.0	0.00	4.92	0.00	71	5.0	0.0	Y

Eyestone Environmental
SKB

10 September 2025
TNM 2.5
Calculated with TNM 2.5

RESULTS: SOUND LEVELS
PROJECT/CONTRACT: The ROW DTLA Residential Project
RUN: Construction Truck
BARRIER DESIGN: INPUT HEIGHTS

Average pavement type shall be used unless a State highway agency substantiates the use of a different type with approval of FHWA.

ATMOSPHERICS: 68 deg F, 50% RH

Receiver Name	No.	#DUs	Existing LAeq1h	No Barrier LAeq1h Calculated	Crit'n	Increase over existing Calculated	Crit'n Sub'l Inc	Type Impact	With Barrier Calculated LAeq1h	Noise Reduction Calculated	Goal	Calculated minus Goal
			dBA	dBA	dBA	dB	dB		dBA	dB	dB	dB
Receptor along Alameda	1	1	0.0	48.4	71	48.4	5	----	48.4	0.0	0	0.0

Dwelling Units	# DUs	Noise Reduction Min dB	Avg dB	Max dB
All Selected	1	0.0	0.0	0.0
All Impacted	0	0.0	0.0	0.0
All that meet NR Goal	1	0.0	0.0	0.0

Project: The ROW DTLA Residential Project

Construction Vibration Impacts

Reference Levels at 25 feet are based on FTA, 2006 (Transit Noise and Vibration Impact Assessment)
Calculations using FTA procedure with n= **1.1** (for receptors 25 feet or greater)
n= **1.1** (for receptors less than 25 feet, per Caltrans procedure)

ON-SITE CONSTRUCTION ACTIVITIES

Table 1: Construction Equipment Vibration Levels (PPV) - Building Damage

Equipment	Reference Vibration Levels at 25 ft., PPV	Estimated Vibration Levels at nearest off-site building structures, distance in feet, PPV							
		Industrial Building to the North		Industrial Building to the South		Industrial Building to the East		7-Story Building to the West (historic)	
		Distance	Level	Distance	Level	Distance	Level	Distance	Level
Vibratory Roller	0.210	20	0.268	170	0.026	105	0.043	50	0.098
Large Bulldozer	0.089	20	0.114	170	0.011	105	0.018	50	0.042
Caisson Drilling	0.089	20	0.114	170	0.011	105	0.018	50	0.042
Loaded Trucks	0.076	20	0.097	170	0.009	105	0.016	50	0.036
Jackhammer	0.035	20	0.045	170	0.004	105	0.007	50	0.016
Small bulldozer	0.003	20	0.004	170	0.000	105	0.001	50	0.001

OFF-SITE CONSTRUCTION HAUL TRUCKS

Table 2: Off-Site Haul Trucks - Building Damage

Equipment	Reference Vibration Levels at 50 ft., PPV	Estimated Vibration Levels at noted distance in feet, PPV							
		20							
Typical road surface	0.00565	0.022							

Ref. Levels based on FTA Figure 7-3 (converted from VdB to PPV)

Appendix C

Operational Noise Calculations

AES
Acoustical Engineering Services

Outdoor Noise Calculations

Project: The ROW DTLA Residential Project

	Estimated Noise Levels, Leq from SOUNDPLAN		Hours of Operations Ld (7am to 7pm)	Le (7pm to 10pm)	Ln (10pm to 7am)
Receptor	Leq	CNEL	12	3	4
R1	34.5	38.6	34.5	34.5	31.0
R2	56.6	60.7	56.6	56.6	53.1
R3	50.5	54.6	50.5	50.5	47.0
R4	52.1	56.2	52.1	52.1	48.6

Receptor	Ambient CNEL	Ambient + Project (CNEL)	Increase (CNEL)	ambient (Leq)	Project (Leq)	Ambient + Project (Leq)	Increase (Leq)
R1	78.8	78.8	0.0	72.0	34.5	72.0	0.0
R2	69.1	69.3	0.2	62.9	56.6	63.8	0.9
R3	72.7	72.7	0.0	64.2	50.5	64.4	0.2
R4	71.1	71.2	0.1	64.5	52.1	64.7	0.2

For Report

Receptor	ambient (Leq)	Project (Leq)	Ambient + Project (Leq)	Increase (Leq)	Threshold (Leq)
R1	72.0	34.5	72.0	0.0	77.0
R2	62.9	56.6	63.8	0.9	67.9
R3	64.2	50.5	64.4	0.2	69.2
R4	64.5	52.1	64.7	0.2	69.5

The ROW
Source Levels in dB(A) - 04c - Speakers

Name	Source type	Lw dB(A)	
Speakers Level 02	Point	104.2	
Speakers Level 02	Point	104.2	
Speakers Level 02	Point	104.2	
Speakers Level 02	Point	104.2	
Speakers Level 02	Point	104.2	
Speakers Level 02	Point	104.2	
Speakers Level 02	Point	104.2	
Speakers Level 02	Point	104.2	
Speakers Level 02	Point	104.2	
Speakers Level 02	Point	104.2	
Speakers Level 02	Point	104.2	
Speakers Level 02	Point	104.2	
Speakers Level 02	Point	104.2	
Speakers Level 02	Point	104.2	
Speakers Level 02	Point	104.2	
Speakers Level 02	Point	104.2	
Speakers Level 02	Point	104.2	
Speakers Level 02	Point	104.2	
Speakers Level 02	Point	104.2	
Speakers Level 02	Point	104.2	
Speakers Level 02	Point	104.2	
Speakers Level 02	Point	104.2	
Speakers Level 02	Point	104.2	
Speakers Level 02	Point	104.2	
Speakers Level 02	Point	104.2	
Speakers Level 02	Point	104.2	
Speakers Level 02	Point	104.2	
Speakers Level 02	Point	104.2	
Speakers Level 02	Point	104.2	
Speakers Level 02	Point	104.2	
Speakers Level 02	Point	104.2	
Speakers Level 02	Point	104.2	
Speakers Level 02	Point	104.2	
Speakers Level 02	Point	104.2	
Speakers Level 02	Point	104.2	
Speakers Level 08	Point	104.2	
Speakers Level 08	Point	104.2	
Speakers Level 08	Point	104.2	
Speakers Level 08	Point	104.2	
Speakers Level 08	Point	104.2	
Speakers Level 08	Point	104.2	
Speakers Level 08	Point	104.2	

The ROW
Source Levels in dB(A) - 04c - Speakers

Name	Source type	Lw dB(A)	
Speakers Level 08	Point	104.2	
Speakers Level 08	Point	104.2	
Speakers Level 08	Point	104.2	
Speakers Level 08	Point	104.2	
Speakers Level 08	Point	104.2	
Speakers Level 08	Point	104.2	
Speakers Level 08	Point	104.2	
Speakers Level 08	Point	104.2	
Speakers Level 08	Point	104.2	
Speakers Level 08	Point	104.2	
Speakers Level 08	Point	104.2	
Speakers Level 08	Point	104.2	
Speakers Level 08	Point	104.2	
Speakers Level 08	Point	104.2	
Speakers Level 08	Point	104.2	
Speakers Level 08	Point	104.2	
Speakers Level 08	Point	104.2	
Speakers Level 08	Point	104.2	
Speakers Level 08	Point	104.2	

The ROW
Calculated Noise Levels - 04c - Speakers

Source	Source type	Leq,d dB(A)	
Receiver R1 Leq,d 34.5 dB(A)			
Speakers Level 02	Point	2.6	
Speakers Level 02	Point	2.4	
Speakers Level 02	Point	2.3	
Speakers Level 02	Point	16.2	
Speakers Level 02	Point	2.0	
Speakers Level 02	Point	20.0	
Speakers Level 02	Point	19.8	
Speakers Level 02	Point	16.9	
Speakers Level 02	Point	17.9	
Speakers Level 02	Point	17.1	
Speakers Level 02	Point	10.9	
Speakers Level 02	Point	20.9	
Speakers Level 02	Point	16.8	
Speakers Level 02	Point	6.4	
Speakers Level 02	Point	18.9	
Speakers Level 02	Point	-0.7	
Speakers Level 02	Point	0.1	
Speakers Level 02	Point	-0.4	
Speakers Level 02	Point	13.0	
Speakers Level 02	Point	12.9	
Speakers Level 02	Point	10.4	
Speakers Level 02	Point	-2.9	
Speakers Level 02	Point	9.2	
Speakers Level 02	Point	9.4	
Speakers Level 02	Point	7.3	
Speakers Level 02	Point	1.8	
Speakers Level 02	Point	-1.8	
Speakers Level 02	Point	-1.0	
Speakers Level 02	Point	-2.6	
Speakers Level 02	Point	7.7	
Speakers Level 02	Point	11.6	
Speakers Level 02	Point	4.5	
Speakers Level 08	Point	1.5	
Speakers Level 08	Point	1.3	
Speakers Level 08	Point	1.1	
Speakers Level 08	Point	5.8	
Speakers Level 08	Point	6.8	
Speakers Level 08	Point	7.1	
Speakers Level 08	Point	17.0	
Speakers Level 08	Point	11.0	
Speakers Level 08	Point	11.1	
Speakers Level 08	Point	13.5	

The ROW
Calculated Noise Levels - 04c - Speakers

Source	Source type	Leq,d dB(A)	
Speakers Level 08	Point	-2.3	
Speakers Level 08	Point	-2.3	
Speakers Level 08	Point	-1.1	
Speakers Level 08	Point	-1.1	
Speakers Level 08	Point	2.9	
Speakers Level 08	Point	2.9	
Speakers Level 08	Point	2.8	
Speakers Level 08	Point	19.3	
Speakers Level 08	Point	18.0	
Speakers Level 08	Point	17.7	
Speakers Level 08	Point	29.7	
Speakers Level 08	Point	28.7	
Speakers Level 08	Point	0.2	
Speakers Level 08	Point	0.4	
Speakers Level 08	Point	14.5	
Speakers Level 08	Point	14.9	
Receiver R2 Leq,d 56.6 dB(A)			
Speakers Level 02	Point	13.1	
Speakers Level 02	Point	12.7	
Speakers Level 02	Point	12.2	
Speakers Level 02	Point	11.6	
Speakers Level 02	Point	27.0	
Speakers Level 02	Point	43.0	
Speakers Level 02	Point	20.8	
Speakers Level 02	Point	16.5	
Speakers Level 02	Point	26.5	
Speakers Level 02	Point	22.3	
Speakers Level 02	Point	20.8	
Speakers Level 02	Point	33.6	
Speakers Level 02	Point	51.0	
Speakers Level 02	Point	37.5	
Speakers Level 02	Point	46.5	
Speakers Level 02	Point	5.4	
Speakers Level 02	Point	6.5	
Speakers Level 02	Point	5.0	
Speakers Level 02	Point	14.2	
Speakers Level 02	Point	14.1	
Speakers Level 02	Point	11.6	
Speakers Level 02	Point	1.1	
Speakers Level 02	Point	14.1	
Speakers Level 02	Point	15.5	
Speakers Level 02	Point	13.1	
Speakers Level 02	Point	2.0	

The ROW
Calculated Noise Levels - 04c - Speakers

Source	Source type	Leq,d dB(A)	
Speakers Level 02	Point	0.9	
Speakers Level 02	Point	1.2	
Speakers Level 02	Point	5.4	
Speakers Level 02	Point	7.6	
Speakers Level 02	Point	9.0	
Speakers Level 02	Point	3.0	
Speakers Level 08	Point	24.4	
Speakers Level 08	Point	16.1	
Speakers Level 08	Point	8.5	
Speakers Level 08	Point	12.8	
Speakers Level 08	Point	13.5	
Speakers Level 08	Point	24.6	
Speakers Level 08	Point	35.6	
Speakers Level 08	Point	22.6	
Speakers Level 08	Point	23.0	
Speakers Level 08	Point	25.0	
Speakers Level 08	Point	2.8	
Speakers Level 08	Point	4.2	
Speakers Level 08	Point	1.8	
Speakers Level 08	Point	1.6	
Speakers Level 08	Point	8.2	
Speakers Level 08	Point	8.6	
Speakers Level 08	Point	10.8	
Speakers Level 08	Point	24.9	
Speakers Level 08	Point	25.4	
Speakers Level 08	Point	30.7	
Speakers Level 08	Point	51.0	
Speakers Level 08	Point	51.1	
Speakers Level 08	Point	4.2	
Speakers Level 08	Point	11.4	
Speakers Level 08	Point	13.8	
Speakers Level 08	Point	13.4	
Receiver R3 Leq,d 50.5 dB(A)			
Speakers Level 02	Point	15.7	
Speakers Level 02	Point	15.7	
Speakers Level 02	Point	15.6	
Speakers Level 02	Point	15.3	
Speakers Level 02	Point	15.1	
Speakers Level 02	Point	22.2	
Speakers Level 02	Point	31.1	
Speakers Level 02	Point	31.2	
Speakers Level 02	Point	20.3	
Speakers Level 02	Point	25.9	

The ROW
Calculated Noise Levels - 04c - Speakers

Source	Source type	Leq,d dB(A)	
Speakers Level 02	Point	33.4	
Speakers Level 02	Point	45.2	
Speakers Level 02	Point	41.0	
Speakers Level 02	Point	41.5	
Speakers Level 02	Point	38.7	
Speakers Level 02	Point	13.7	
Speakers Level 02	Point	12.6	
Speakers Level 02	Point	12.7	
Speakers Level 02	Point	2.6	
Speakers Level 02	Point	3.4	
Speakers Level 02	Point	5.6	
Speakers Level 02	Point	0.2	
Speakers Level 02	Point	14.8	
Speakers Level 02	Point	16.9	
Speakers Level 02	Point	14.4	
Speakers Level 02	Point	8.8	
Speakers Level 02	Point	10.7	
Speakers Level 02	Point	-0.8	
Speakers Level 02	Point	8.7	
Speakers Level 02	Point	-0.6	
Speakers Level 02	Point	-0.4	
Speakers Level 02	Point	-0.7	
Speakers Level 08	Point	28.8	
Speakers Level 08	Point	25.7	
Speakers Level 08	Point	12.2	
Speakers Level 08	Point	30.8	
Speakers Level 08	Point	30.3	
Speakers Level 08	Point	29.9	
Speakers Level 08	Point	32.4	
Speakers Level 08	Point	26.2	
Speakers Level 08	Point	25.9	
Speakers Level 08	Point	26.2	
Speakers Level 08	Point	3.1	
Speakers Level 08	Point	6.2	
Speakers Level 08	Point	2.4	
Speakers Level 08	Point	2.2	
Speakers Level 08	Point	11.8	
Speakers Level 08	Point	9.8	
Speakers Level 08	Point	16.6	
Speakers Level 08	Point	24.0	
Speakers Level 08	Point	36.3	
Speakers Level 08	Point	36.7	
Speakers Level 08	Point	39.8	
Speakers Level 08	Point	40.8	

The ROW
Calculated Noise Levels - 04c - Speakers

Source	Source type	Leq,d dB(A)	
Speakers Level 08	Point	24.2	
Speakers Level 08	Point	24.7	
Speakers Level 08	Point	4.0	
Speakers Level 08	Point	12.8	
Receiver R4 Leq,d 52.1 dB(A)			
Speakers Level 02	Point	35.2	
Speakers Level 02	Point	30.8	
Speakers Level 02	Point	31.6	
Speakers Level 02	Point	29.7	
Speakers Level 02	Point	31.6	
Speakers Level 02	Point	32.4	
Speakers Level 02	Point	31.6	
Speakers Level 02	Point	34.5	
Speakers Level 02	Point	36.0	
Speakers Level 02	Point	36.0	
Speakers Level 02	Point	33.9	
Speakers Level 02	Point	34.7	
Speakers Level 02	Point	26.7	
Speakers Level 02	Point	49.7	
Speakers Level 02	Point	27.5	
Speakers Level 02	Point	20.3	
Speakers Level 02	Point	19.9	
Speakers Level 02	Point	21.2	
Speakers Level 02	Point	13.2	
Speakers Level 02	Point	11.8	
Speakers Level 02	Point	13.1	
Speakers Level 02	Point	3.1	
Speakers Level 02	Point	18.1	
Speakers Level 02	Point	19.6	
Speakers Level 02	Point	16.9	
Speakers Level 02	Point	11.4	
Speakers Level 02	Point	14.9	
Speakers Level 02	Point	4.1	
Speakers Level 02	Point	13.3	
Speakers Level 02	Point	4.0	
Speakers Level 02	Point	4.9	
Speakers Level 02	Point	3.6	
Speakers Level 08	Point	32.1	
Speakers Level 08	Point	30.7	
Speakers Level 08	Point	13.9	
Speakers Level 08	Point	29.1	
Speakers Level 08	Point	27.1	
Speakers Level 08	Point	25.7	

The ROW
Calculated Noise Levels - 04c - Speakers

Source	Source type	Leq,d dB(A)	
Speakers Level 08	Point	36.4	
Speakers Level 08	Point	29.1	
Speakers Level 08	Point	29.8	
Speakers Level 08	Point	31.0	
Speakers Level 08	Point	5.6	
Speakers Level 08	Point	8.0	
Speakers Level 08	Point	4.7	
Speakers Level 08	Point	4.4	
Speakers Level 08	Point	36.0	
Speakers Level 08	Point	36.4	
Speakers Level 08	Point	35.6	
Speakers Level 08	Point	31.7	
Speakers Level 08	Point	35.5	
Speakers Level 08	Point	40.2	
Speakers Level 08	Point	19.4	
Speakers Level 08	Point	20.5	
Speakers Level 08	Point	13.9	
Speakers Level 08	Point	14.8	
Speakers Level 08	Point	13.9	
Speakers Level 08	Point	15.3	

Appendix D.5

Cultural Resources

Cultural Resources Assessment for the ROW DTLA Residential Project, Los Angeles, California

NOVEMBER 2025

PREPARED FOR

Alameda Square Owner LLC

PREPARED BY

SWCA Environmental Consultants

Cultural Resources Assessment for the ROW DTLA Residential Project, Los Angeles, California

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SWCA Project No. 86148
SWCA Cultural Resources Report No. 23-74

November 4, 2025

Keywords: California Environmental Quality Act (CEQA); City and County of Los Angeles; archaeological and tribal cultural resources, literature search, archival research, geoarchaeological assessment; management/planning; 4.8 acres; Yaanga, Gabrielino; Zanja No. 2, Zanja No. 3; Feliz (Felix) Gallardo, Don Antonio Francisco Coronel; Township 1 South, Range 13 West, Section 22 and 27; U.S. Geological Survey (USGS) Los Angeles, California, 7.5-minute topographic quadrangle

EXECUTIVE SUMMARY

Purpose and Scope: SWCA Environmental Consultants (SWCA) prepared this cultural resources assessment for the proposed ROW DTLA Residential Project (the Project) in an industrialized area in the east of the Downtown Los Angeles, California. The Project proposes the demolition of existing surface parking lots and the construction of two mixed-use buildings, one multi-family building, and two subterranean parking structures. The proposed Project is within a portion of the existing ROW DTLA site (the "Project Site"), which comprises three parcels that measure approximately 30.65 acres. Ground disturbances for the Project would be limited to an approximately 4.8-acre portion of the Project Site referred to as the "Development Area." The Development Area consists of two areas, north and south of Center Street, on the west side of Alameda Street between 7th Street and Bay Street. Ground-disturbing activities for the Project include demolition of the existing surface parking lot and excavation to an average depth of 20 feet below grade for new subterranean parking structures within the northern and southern portions of the Development Area, as well as excavation to a depth of 28 feet below grade within discrete locations for elevator pits and associated footings. Because the potential for impacts to archaeological and tribal cultural resources is limited to those areas subject to ground-disturbing activities, this study primarily focuses on the Development Area.

The Project is subject to the California Environmental Quality Act (CEQA), and the City of Los Angeles (City) Department of City Planning (DCP) is the lead agency. The Los Angeles City Council certified the *Citywide Housing Element 2021-2029 and Safety Element Updates Final Environmental Impact Report* (Program EIR) (DCP 2021b). The proposed Project is within the scope of the Housing Element Program analyzed in the Program EIR, and the environmental clearance for the Project is being analyzed using the Housing Element CEQA Streamlining Checklist (Form CP-4089). The City adopted a Mitigation and Monitoring Program (MMP) for the Program EIR, which describes the procedures and stipulations for implementing mitigation measures to be imposed as conditions of approval by the City on discretionary projects. Mitigation Measures 4.4-2 and 4.15-1(a) of the MMP address archaeological resources and tribal cultural resources, respectively, and defines procedures to identify resources and implement applicable impact reduction techniques to reduce substantial adverse effects.

SWCA prepared this cultural resources assessment for the Project in compliance with Section A of Mitigation Measure 4.4-2 (Archaeological Resources) and Mitigation Measure 4.15-1(a) (Native American Consultation and Monitoring for Discretionary Projects) of the MMP. This report presents the results of a study conducted by a qualified archaeologist to determine if archaeological or tribal cultural resources are present within the Development Area, assess if resources are likely to be encountered within the Development Area, analyze the potential for the proposed Project to have significant impacts to archaeological and tribal cultural resources, and recommend mitigation measures to reduce impacts to less-than-significant levels to the extent feasible. The methods used in this study include a confidential records search of the California Historical Resources Information System (CHRIS), a Sacred Lands File (SLF) Search by the Native American Heritage Commission (NAHC), outreach to California Native American tribes, and research conducted by SWCA using archival and other materials. The information from these sources was used to assess if any new archaeological resources may be present within the Development Area. The impact analysis is based on the significance thresholds from the Environmental Checklist in Appendix G of CEQA Guidelines. The measures recommended herein are taken exclusively from the MMP for the Program EIR.

Dates of Investigation: The NAHC transmitted the results of their SLF search on January 19, 2024. The South Central Coastal Information Center (SCCIC) transmitted the results of their CHRIS search on February 8, 2024. Research and analysis for the Project was conducted by SWCA from January to December 2024. Notification letters were submitted to ten (10) California Native American tribes and delivered through the U.S. Postal Services via Certified Mail between July 21 and 25, 2025. Responses

were requested within two weeks of receipt. One response to the notification letters was received via email on July 28, 2025, and a reply sent on the same day, but no responses was received but the City was contacted by the Gabrieleño Band of Mission Indians-Kizh Nation. Between August and October 2025, the City correspondence with the Gabrieleño Band of Mission Indians-Kizh Nation via email and one conference call. As of November 4, 2025, no other responses to the notification letters have been received.

Summary of Findings: The SLF search was positive and in the response letter, the NAHC noted that the Gabrieleño Band of Mission Indians – Kizh Nation should be contacted for additional information regarding the results. The NAHC's response to SWCA's request included a list of 12 Native American contacts who may have knowledge of resources in or near the Development Area and recommended they be contacted. The Gabrieleño Band of Mission Indians – Kizh Nation received written notification of the Project on July 21, 2025. SWCA received a response to the letter via email on July 28, but no information pertaining specifically to the SLF results was provided. Through the email correspondence and conference call, the Gabrieleño Band of Mission Indians-Kizh Nation indicated they consider the Development Area to be sensitive and requested three measures. The measures include requirements for a Native American monitor during ground-disturbing activities (TCR-1), and protocols to follow in the event there is a discovery of a non-funerary/ceremonial tribal cultural resource (TCR-2) or human remains and funerary/ceremonial objects (TCR-3). No information was submitted by the Gabrieleño Band of Mission Indians-Kizh Nation that indicates there is a known tribal cultural resource in the Development Area, nor was any additional information submitted to support their sensitivity assessment.

The CHRIS records search was conducted for a 0.8-km (0.5-mile) radius surrounding the Development Area. There have been no archaeological resources or potential tribal cultural resources recorded within the Development Area. One historical archaeological site (CA-LAN-4660H) composed of mid- to late-nineteenth century components was identified 0.6 km (0.4 miles) to the northwest of the Development Area. SWCA noted five Native American archaeological sites (not previously assessed as tribal cultural resources) that have been recorded in the downtown Los Angeles area that were outside the CHRIS records boundary. SWCA also noted the presence of an industrial complex historically called the Los Angeles Union Wholesale Terminal, previously owned by the Southern Pacific Railroad (SPRR), which currently encompasses a total of eight buildings, including seven large industrial buildings that were constructed between 1917 and 1923 (collectively the "District"). The District is in the Project Site but the two paved surface parking lots within the Development Area were constructed in the 1980s and do not contribute to the District. The District was formally determined eligible for the National Register of Historic Places, making it automatically listed in the California Register of Historical Resources. The District is assessed for the current Project in a separate technical report prepared by Architectural Resources Group. There are no archaeological resources associated with the District and SWCA's CHRIS records search omitted non-archaeological resources.

Ethnographic sources described above have identified the Gabrielino village site of Yaanga as having been 2.25 km (1.4 miles) north of the Development Area. A second Gabrielino settlement known as Geveronga is described in ethnographic accounts as having been somewhere west of the Pueblo of Los Angeles. No physical traces of the Geveronga have ever been identified and the best approximation for its location is an area 44.46 km (2.8 miles) northwest of the Development Area. The location of the Development Area on the edge of the floodplain of the Los Angeles River and in reasonable proximity to a known Gabrielino settlement indicates that this area was more intensively used by Native Americans in the past compared to less intensively used areas within the traditional territory. More intensively used areas are more likely to produce physical evidence of those activities that can be preserved as archaeological deposits. The historical alterations documented within the Development Area have clearly reduced the likelihood that a Native American archaeological site may have once been present, but the potential for a buried site cannot be ruled out. Accordingly, SWCA finds the Development Area has

moderate sensitivity for Native American archaeological resources. This sensitivity is contained within alluvial sediments that are younger than 12,500 years in age. Sediments older than this are too old to contain Native American archaeological resources. The sensitivity for Native American archaeological resources is diminished within the fill sediments because of the historical land uses, but the sensitivity cannot be fully ruled out.

Historical land uses within the Development Area were assessed through archival research. During the nineteenth century, the Development Area was primarily used for agriculture. Two historical irrigation channels known as Zanja No. 2 and Zanja No. 3 are mapped near the Development Area, but archival sources indicate that neither of the zanjas passed directly through the Development Area. No buildings or structures were previously constructed within the Development Area during the nineteenth century. The agricultural activities are noteworthy in terms of the diminished potential for Native American archaeological sites, but the likelihood of substantial historical archaeological resources in the Development Area from before the 1900s is low. In the first decade of the twentieth century the Development Area was used for industrial purposes related to the Electric Railway Company and multiple buildings existed within the Development Area. However, by the 1920s, all these structures had been demolished and replaced with rail lines and a warehouse structure within the Development Area. The railroad tracks present within the Development Area were removed in the late 1970s and the industrial building present within the Development Area was demolished by the end of the 1980s. After these demolition events the Development Area was when the entire Development Area was converted into an at-grade parking lot.

The use of the Development Area as a rail yard for over 50 years suggests that if any physical materials are present within the Development Area, then they are likely associated with this land-use history. The paving of the Development Area may have preserved underlying deposits related to these activities, such as abandoned railroad ties, nails, and tracks, which are commonly found below ground in former industrial areas. Buildings materials, miscellaneous pieces of refuse including glass and metal food and beverage containers, and former building foundations are also common and could be present within the Development Area. Based on these findings, SWCA finds the Development Area has high sensitivity for containing historical archaeological resources. This sensitivity is contained within sediments designated as fill, which are estimated to extend from beneath the current pavement to as much as 5 feet below grade.

Impact Analysis: The Project requires the excavation and removal of fill and underlying alluvial sediments below the current grade. At a minimum, any sediments designated as fill within the Development Area have high sensitivity for archaeological resources. Specifically, there is a potential to encounter objects associated with industrial land uses beginning around 1900 throughout the Development Area. The potential for Native American archaeological resources is characterized as being moderate within alluvial sediments that are Holocene in age (deposited less than 12,500 years ago). If present, archaeological and tribal cultural resources in the Development Area could yield information important in prehistory or history and thereby satisfy Criterion 4 of the California Register of Historical Resources. Therefore, ground disturbances from the Project could cause a substantial adverse change in the significance of an archaeological resource and tribal cultural resource pursuant to California Code of Regulations Section 15064.5. Accordingly, SWCA finds that the Project could result in potentially significant impacts to archaeological and tribal cultural resources prior to mitigation.

Recommendations: Given the moderate to high sensitivity for archaeological and tribal cultural resources within the Development Area, SWCA recommends implementing a substitute measure for Section I of Mitigation Measure 4.4-2, Section J of Mitigation Measure 4.4-2, and a substitute measure for Mitigation Measure 4.15-1 to reduce impacts of the Project to a less than significant levels.

As written, Section I of Mitigation Measure 4.4-2 requires an archaeological monitor to be present during excavations and provide archaeological sensitivity training to construction personnel prior to initiating

construction. This will ensure any archaeological resources that may be present are identified by qualified monitors. The substitute measure for archaeological resources maintains the same requirements in Section I of Mitigation Measure 4.4-2 but adds a provision that requires the qualified archaeologist to prepare a Monitoring Plan, the scope of which is extended to address both archaeological and tribal cultural resources because the mitigation measures for each type of resource require equivalent actions to be taken and a Monitoring Plan that addresses both types of resources together will help to ensure consistency during implementation of the mitigation measures. The potential for impacts to an archaeological or tribal cultural resource is the same if the mitigation measures are implemented according to the Monitoring Plan. Thus, substituting Section I of Mitigation Measure 4.4-2 is more effective and will not cause a new significant impact.

Section J describes a procedure to follow if an archaeological resource is identified during construction. No other portions of Mitigation Measure 4.4-2 are recommended to reduce potentially significant impacts.

Mitigation Measure 4.15-1(b) outlines a process to be followed in the event a potential tribal cultural resource is discovered and includes the following requirements: temporarily halt work within a radius of 50 feet until the discovery can be assessed by a Qualified Archaeologist and affiliated tribes; retain a tribal monitor if a tribal cultural resource is identified; identify appropriate treatment consistent with existing regulations and in consultation with affiliated tribes; observe confidentiality requirements concerning the discovered resource, and; allow for adequate documentation of scientific information when applicable. The substitute measure for tribal cultural resources (TRC-MM-1) includes provisions that satisfy the same minimum requirements in Mitigation Measure 4.15-1(b) but adds requirements for worker training and tribal monitoring in areas with sensitivity for tribal cultural resources. The substitute measure includes elements of the three measures requested by the Gabrieleño Band of Mission Indians—Kizh Nation, specifically the elements stipulating the requirements for and methods used by a tribal monitor during ground-disturbing activities. The other elements of the measures requested by the Gabrieleño Band of Mission Indians—Kizh Nation are addressed in the other provisions of the substitute measure based on the minimum requirements incorporated from Mitigation Measure 4.15-1(b), such as requirements for tribal consultation while assessing potential tribal cultural resources and identifying appropriate forms of treatment for confirmed resources. The substitute measure also incorporates additional details to clarify the performance standards and ensure compliance with existing regulations, conformance with industry standards and best practices, and compatibility with other mitigation measures for the Project, specifically those for archaeological resources. By maintaining the same minimum requirements in Mitigation Measure 4.15-1(b) and adding requirement to conduct tribal monitoring, consistent with the sensitivity assessment and measures requested by the Gabrieleño Band of Mission Indians—Kizh Nation, the substitute mitigation measure TCR-MM-1 is more effective and will not cause a new significant impact to tribal cultural resources.

Implementation of these measures would reduce potentially significant impacts to archaeological and tribal cultural resources to less-than-significant levels.

Disposition of Data: This report will be submitted to the Project Applicant and DCP, and then filed with the SCCIC at California State University, Fullerton to be included in the CHRIS. All research materials and copies of the report will be retained on file at SWCA's office in Pasadena, California.

CONTENTS

Introduction **1**

Project Location and Description **2**

Regulatory Setting **7**

State Regulations 7

California Environmental Quality Act 7

Local Regulations 10

Los Angeles Historic-Cultural Monuments 10

City of Los Angeles General Plan 10

Methods **15**

California Historical Resources Information System Records Search 15

Sacred Lands File Search 16

Archival Research 16

Archaeological Sensitivity Analysis 17

Outreach to California Native American Tribes 17

Environmental Setting **18**

Geology and Soils 18

Hydrology 20

Flora and Fauna 22

Cultural Setting **23**

Native American Archaeological Record 23

Terminal Pleistocene: Paleoindian / Paleocoastal Tradition (Before 11,500 BP) 25

Early Holocene (~11,700 to 7000 BP) 25

Middle Holocene (7000 to 4000 BP) 26

Late Holocene (3000 BP to Spanish Colonization) 27

Gabrielino Ethnography 28

Continuity After Colonization 31

Locating Former Native American Settlements, Placenames, and Sites 33

Mission and Rancho Period (1769 1848) 37

American Period (1848 Present) 38

Los Angeles: From Pueblo to City 39

Results **45**

CHRIS Records Search 45

Previously Conducted Studies 45

Previously Recorded Archaeological Resources 47

Sacred Lands File Search 48

Archival Research 48

Zanja System Components 60

Archaeological Site Preservation 62

Sensitivity Assessment 63

Native American Archaeological and Tribal Cultural Resource Sensitivity 63

Historical Archaeological Sensitivity 64

Outreach to California Native American Tribes 65

Discussion of Resource Significance and Impact Analysis **66**
Resource Significance 66
Impact Analysis 68
Archaeological Resources 68
Tribal Cultural Resources 68
Feasibility of Preservation in Place 69
Recommendations and Conclusions **70**
Archaeological Resources 70
Substitute Mitigation Measure 70
Program EIR Mitigation Measure 71
Tribal Cultural Resources 71
Substitute Mitigation Measure 72
References Cited **75**

Appendices

Appendix A California Historical Resources Information System Search Results
Appendix B Native American Heritage Commission Sacred Lands File Search Results Letter
Appendix C Tribal Notification Materials (Non-Confidential)
Appendix D Tribal Correspondence (Confidential)

Figures

Figure 1. Project vicinity map. 3
Figure 2. Project location plotted on USGS 7.5-minute quadrangle, Los Angeles, California. 4
Figure 3. Development Area (red outline) within the larger Project Site (blue outline) plotted on a 2023 aerial photograph. 5
Figure 4. Project plans showing the location of Buildings A, B, and C (bold outlines) and extant buildings to remain in the Site (shaded). 6
Figure 5. Surficial geology from Campbell et al. 2014. The Development Area is in a unit designated as Young Alluvium (Qya_2), which formed during the Late Pleistocene. 19
Figure 6. Historical shifts in the Los Angeles River channels based on Gumprecht (2001:140) and areas of inundation. 21
Figure 7. Chronological frameworks for southern California cultural traditions and archaeological contexts. 24
Figure 8. Native American tribal territories. 29
Figure 9. Native American communities and sites in the greater Los Angeles area; locations from Hackel et al. (2015) and Gumprecht (2001). 35
Figure 10. Photographic reprint of E.O.C. Ord's original 1849 map of the City, annotated with street names, lot owners, and block numbers (Ord 1849). 41
Figure 11. Los Angeles zanja system, ca. 1880s (Gumprecht 2001). 43
Figure 12. Detailed view of Ord's 1849 map (see inset in top left) annotated with landownership. 50
Figure 13. Development Area plotted on H.J. Stevenson's 1884 *Map of the City of Los Angeles, California.* 51

Figure 14. The Coronels' residence at 7th Street and Central Avenue ca. 1880 (Courtesy of Los Angeles Public Library, Item 00061569) 52
Figure 15. Lithograph of the Coronel residence and surrounding agricultural fields at 7th Street and Alameda Street looking west. Note the SPRR line running along Alameda Street ca. 1880. 52
Figure 16. Detailed view of an illustration showing Los Angeles in 1877 53
Figure 17. Detail view of a bird's-eye illustration facing southwest, Los Angeles, California, 1891. 54
Figure 18. Detail view of a bird's-eye illustration, Los Angeles, California, 1894. 55
Figure 19. Development Area shown on the 1906 Sanborn map. 56
Figure 20. Development Area shown on the 1950 Sanborn map. 57
Figure 21. Development Area shown on aerial photographs from 1927 and 1938 58
Figure 22. Development Area shown on aerial photographs from 1952 and 1968 59
Figure 23. Water wheel powered by water from Zanja No. 2. The undated photograph was taken from Alameda Street showing the water wheel on the property of Thomas Leahy on the east side of Alameda Street between 7th and 8th Streets. 60
Figure 24. Sanborn published in 1900, which depicts the area north of the Development Area (not shown) and the alignment of Zanja No. 2 (red arrow), labeled "Open Zanja," on the northeast side of Alameda Street. 61

Tables

Table 1. Previous Cultural Resources Studies 45
Table 2. Summary of Outreach to California Native American Tribes 65

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INTRODUCTION

SWCA Environmental Consultants (SWCA) prepared this cultural resources assessment for the proposed ROW DTLA Residential Project (the Project) in an industrial area east of the downtown area of Los Angeles, California. The Project proposes the demolition of existing surface parking lots and the construction of two mixed-use buildings, one multi-family building, and two subterranean parking structures. The proposed Project is within a portion of the existing ROW DTLA site (the "Project Site"), which comprises three parcels that measure approximately 30.65 acres. Ground disturbances for the Project would be limited to an approximately 4.8-acre portion of the Project Site referred to as the "Development Area." The Development Area consists of two areas, north and south of Center Street, on the west side of Alameda Street between 7th Street and Bay Street. Ground-disturbing activities for the Project include demolition of the existing surface parking lot and excavation for new subterranean parking structures and elevator pits within the northern and southern portions of the Development Area. Because the potential for impacts to archaeological resources is limited to those areas subject to ground-disturbing activities, this study primarily focuses on the Development Area. The analysis of historical resources was conducted by Architectural Resources Group (ARG) and presented in a separate technical report (ARG 2024).

The Project is subject to the California Environmental Quality Act (CEQA), and the City of Los Angeles (City) Department of City Planning (DCP) is the lead agency. The Los Angeles City Council certified the *Citywide Housing Element 2021-2029 and Safety Element Updates Final Environmental Impact Report* (Program EIR) (DCP 2021b). The proposed Project is within the scope of the Housing Element Program analyzed in the Program EIR, and the environmental clearance for the Project is being analyzed using the Housing Element CEQA Streamlining Checklist (Form CP-4089). The City adopted a Mitigation and Monitoring Program (MMP) for the Program EIR, which describes the procedures and stipulations for implementing mitigation measures to be imposed as conditions of approval by the City on discretionary projects. Mitigation Measure 4.4-2 of the MMP and 4.15-1(a) of the MMP address archaeological resources and tribal cultural resources, respectively, and defines procedures to identify resources and implement applicable impact reduction techniques to reduce substantial adverse effects.

SWCA prepared this cultural resources assessment for the Project in compliance with Section A of Mitigation Measure 4.4-2 (Archaeological Resources) and Measure 4.15-1(a) (Native American Consultation and Monitoring for Discretionary Projects) of the MMP.[1] This report presents the results of a study conducted by a qualified archaeologist to determine if archaeological and tribal cultural resources are present within the Development Area, assess if resources are likely to be encountered within the Development Area, analyze the potential for the proposed Project to have significant impacts, and recommend mitigation measures to reduce impacts to less-than-significant levels to the extent feasible. The methods used in this study include a confidential records search of the California Historical Resources Information System (CHRIS), a Sacred Lands File (SLF) Search by the Native American Heritage Commission (NAHC), outreach to California Native American tribes, and research conducted by SWCA using archival and other materials. The information from these sources was used to assess if any new archaeological and tribal cultural resources may be present within the Development Area. The impact analysis is based on the significance thresholds from the Environmental Checklist in Appendix G of CEQA Guidelines. The measures recommended herein are taken exclusively from the MMP for the Program EIR.

[1] Sections A and I of Mitigation Measure 4.4-2 and Mitigation Measure 4.15-1 refer to a *cultural* resources assessment as the type of technical study prepared to analyze archaeological and tribal cultural resources. Under the Environmental Checklist in Appendix G of CEQA Guidelines, impacts to cultural resources are analyzed under three separate categories—historical resources, archaeological resources, and human remains. This scope of this study is limited to analysis of archaeological and tribal cultural resources and excludes analysis of historical resources or human remains. The naming convention of "cultural resources assessment" is retained here for consistency with the terminology used in the Program EIR MMP.

This report was prepared by SWCA Senior Archaeologist Chris Millington, M.A., Registered Professional Archaeologist, and Archaeologist Erica Nicolay, M.A. Chris Millington acted as the Principal Investigator, and he meets the Secretary of the Interior's Professional Qualification Standard (PQS) in archeology. A final draft of this report will be submitted to the South Central Coastal Information Center (SCCIC), located at California State University, Fullerton, to be included in the CHRIS. Research materials and copies of the report will be retained on file with SWCA's office in Pasadena, California.

PROJECT LOCATION AND DESCRIPTION

The Project involves the demolition of existing surface parking lots and the construction of two mixed-use buildings and one multi-family building in a 4.8-acre portion (the Development Area) of an approximately 30.65-acre Project Site known as ROW DTLA. The Project Site is in an expansive industrialized area in the east of Downtown Los Angeles (Figure 1). The Project Site and Development Area are in Sections 33 and 34 of Township 1 South, Range 13 West, and Sections 3 and 4 of Township 2 South, Range 13 West, which is plotted on the U.S. Geological Survey (USGS) Los Angeles, California, quadrangle (Figure 2). The Project Site occupies an area that is bound by East 7th Street to the north, South Central Avenue to the west, South Alameda Street to the east, and East Olympic Boulevard to the south (Figure 3). The Project Site comprises three irregularly shaped parcels that are associated with the following addresses: 757–787 South Alameda Street, 1318–1396 East 7th Street, 736–796 South Central Avenue, 1301–1327 East 8th Street, 700–760 South Market Court, 720–746 South Terminal Street, and 760 South Warehouse Street.

The area surrounding the Project Site is primarily developed with warehouses, cold storage facilities, small-scale manufacturing operations, and other industrial uses, though in more recent years newer commercial office, commercial retail, and residential uses have been developed in the vicinity of the Project Site. The portion of the Project Site along Central Avenue is used as a wholesale produce market and an outdoor weekend market known as Smorgasburg. Except for 747 South Alameda Street, which is currently vacant, the middle portion of the Site between 7th and 8th Street supports retailers and restaurants and another office and hybrid office/light manufacturing tenants that span multiple industries including technology, apparel, construction, produce wholesale and consumer goods. This area also includes a ten-story concrete parking structure that was built in 2016 and is accessed via South Alameda Street. These existing uses will remain and are not being modified by the Project.

The Project proposes to construct three eight-story new construction buildings, including residential units, parking, and retail and cafe space. The three new buildings—Buildings A, B, and C—would be located just north and south of Center Street, which runs east-west through the Project Site (Figure 4). Buildings A and B would be south of Center Street and Building C would be north of Center Street. Building A would include commercial space at the first floor, residential units at the first through eighth floors, and two levels of subterranean parking. Building B would include residential units at the first through eight floors and two levels of subterranean parking. Building C would consist of commercial space at the first floor, residential units at the first through eighth floors, and two levels of subterranean parking. All three buildings would be surrounded by landscaping.



Figure 1. Project vicinity map.

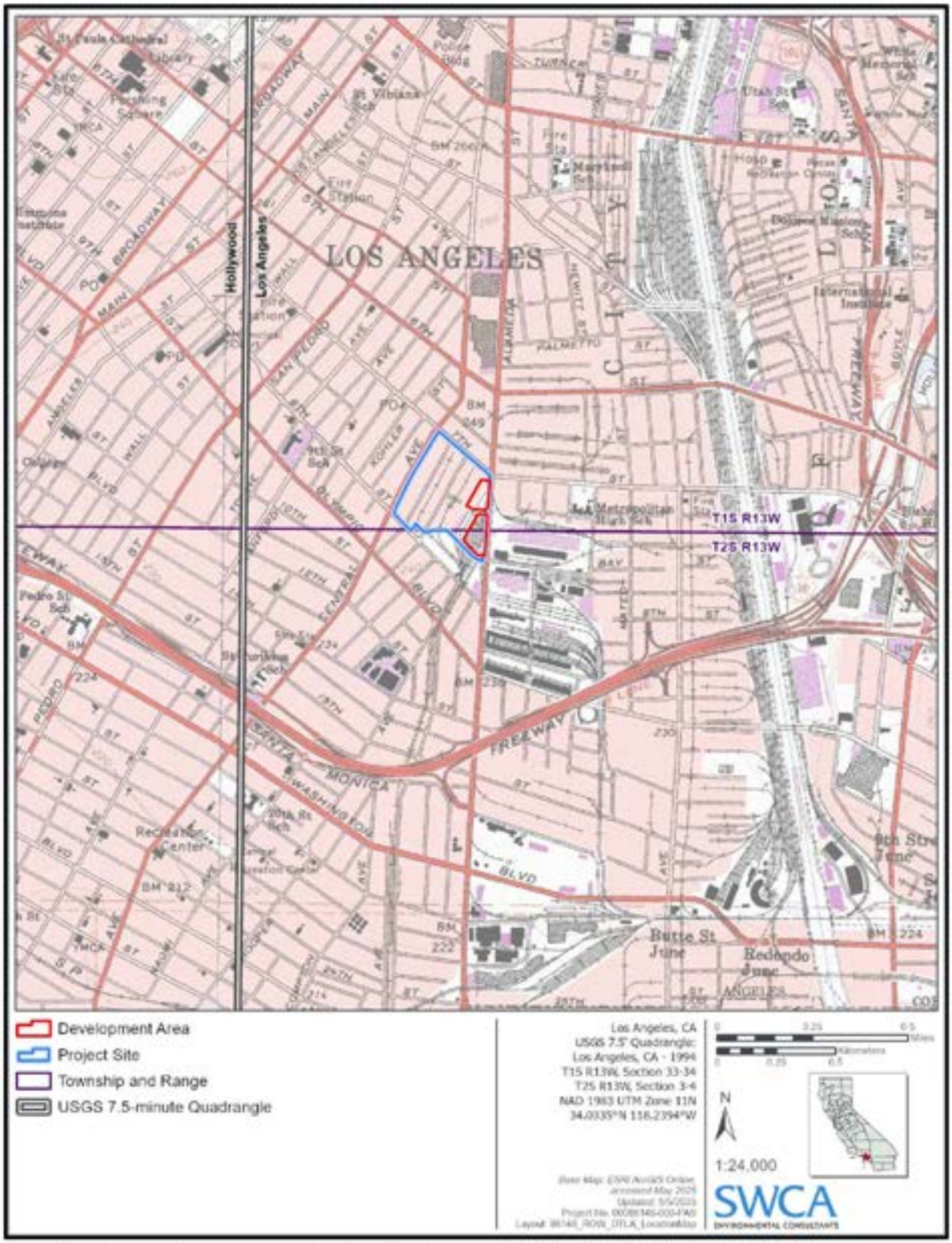

Figure 2. Project location plotted on USGS 7.5-minute quadrangle, Los Angeles, California.



Figure 3. Development Area (red outline) within the larger Project Site (blue outline) plotted on a 2023 aerial photograph.

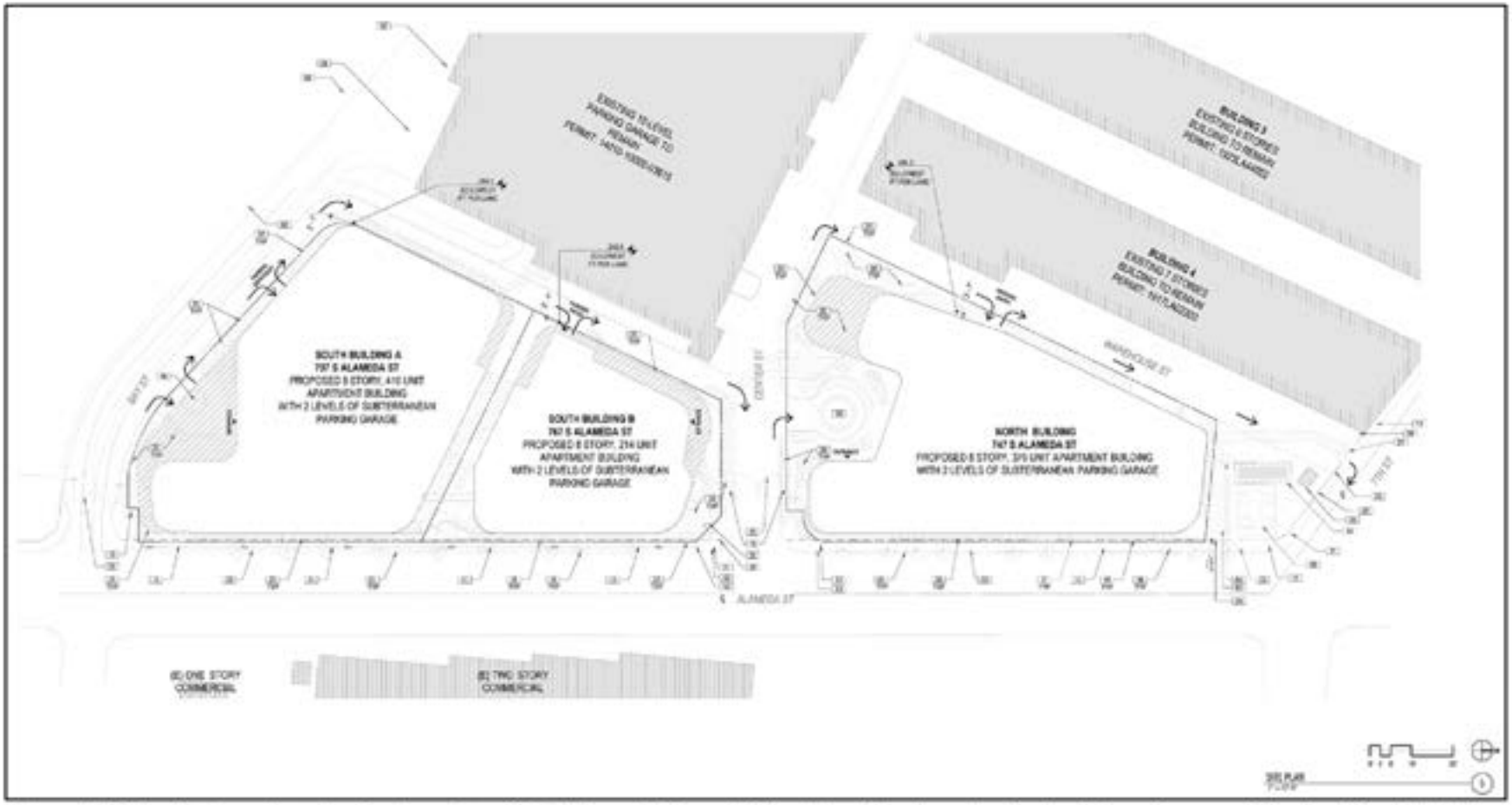

Figure 4. Project plans showing the location of Buildings A, B, and C (bold outlines) and extant buildings to remain in the Site (shaded). Note that the right side faces north and Alameda Street runs along the bottom of the frame and Bay Street on the left.

Ground disturbances required for the Project would occur during demolition of the existing surface parking lot and excavation for the subterranean parking and elevator pits with associated footings. These activities would be limited to a 4.8-acre area within the Project Site that is designated here as the Development Area (see Figure 3 and Figure 4) and is located at 747–787 South Alameda Street, 1390–1396 East 7th Street, Los Angeles, California, 90021. The Development Area consists of two irregularly shaped areas and is currently developed with paved surface parking and limited ornamental vegetation. The average estimated depth of excavation to construct the two levels of subterranean parking beneath Buildings A-B and Building C is 20 feet below grade. The excavation to the respective depths would occur across the full extent of the Project Site in the two areas. Additional excavation to a depth of approximately 28 feet below-grade would be conducted under the elevator pit and associated footings.

REGULATORY SETTING

State Regulations

The California Office of Historic Preservation (OHP), a division of the California Department of Parks and Recreation, performs certain duties described in the California Public resources Code (PRC) and maintains the California Historic Resources Inventory and California Register of Historical Resources (CRHR). The state-level regulatory framework also includes CEQA, which requires the identification and, if necessary, mitigation of substantial adverse impacts that may affect the significance of historical resources and archaeological resources. Under CEQA Guidelines (Title 14, Division 6, Chapter 3 of California Code of Regulations [CCR]), archaeological resources are analyzed as a type of cultural resource, and a significant archaeological resource is a historical resource.

California Environmental Quality Act

Under CEQA, a "project that may cause a substantial adverse change in the significance of a historical resource is a project that may have a significant effect on the environment" (PRC Section 21084.1). Analyzing the potential for impacts to a historical resource requires first determining if the proposed project involves a historical resource. If cultural resources are present, then the proposed project must be analyzed for a potential "substantial adverse change in the significance" of the resource.

HISTORICAL RESOURCES

According to CEQA Guidelines Section (CCR Section 15064.5), for the purposes of CEQA, historical resources are:

- A resource listed in, or formally determined to be eligible by the State Historical Resources Commission, for listing in the CRHR (PRC 5024.1, 14 CCR 4850 et seq.).
- A resource included in a local register of historical resources, as defined in PRC Section 5020.1(k), or identified as significant in a historic resources survey by meeting the requirements of PRC Section 5024.1(g).
- Any object, building, structure, site, area, place, record, or manuscript that the lead agency determines to be eligible for national, state, or local landmark listing; generally, a resource shall be considered by the lead agency to be historically significant (and therefore a historic resource under CEQA) if the resource meets the criteria for listing on the CRHR (as defined in PRC Section 5024.1, 14 CCR 4852).

Resources nominated to the CRHR must retain enough of their historic character or appearance to convey the reasons for their significance. Resources whose historic integrity (as defined above) does not meet National Register of Historic Places (NRHP) criteria may still be eligible for the CRHR.

According to CEQA, the fact that a resource is not listed in or determined eligible for the CRHR or is not included in a local register or survey, shall not preclude the lead agency from determining that the resource may be a historical resource (PRC Section 5024.1). Pursuant to CEQA, a project with an effect that may cause a substantial adverse change in the significance of a historical resource may have a significant effect on the environment (CEQA Guidelines, Section 15064.5[b]).

Substantial Adverse Change and Indirect Impacts to Historical Resources

CEQA Guidelines specify that a "substantial adverse change in the significance of an historical resource means physical demolition, destruction, relocation, or alteration of the resource or its immediate surroundings such that the significance of an historical resource would be materially impaired" (CEQA Guidelines, Section 15064.5). Material impairment occurs when a project alters in an adverse manner or demolishes "those physical characteristics of an historical resource that convey its historical significance and that justify its inclusion" or eligibility for the NRHP, CRHR, or local register. In addition, pursuant to CEQA Guidelines Section 15126.2, the "direct and indirect significant effects of the project on the environment shall be clearly identified and described, giving due consideration to both the short-term and long-term effects."

UNIQUE ARCHAEOLOGICAL RESOURCES

In terms of archaeological resources, PRC Section 21083.2(g) defines a unique archaeological resource as an archaeological artifact, object, or site about which it can be clearly demonstrated that without merely adding to the current body of knowledge, there is a high probability that it meets any of the following criteria:

1. Contains information needed to answer important scientific research questions, and that there is a demonstrable public interest in that information.
2. Has a special and particular quality, such as being the oldest of its type or the best available example of its type.
3. Is directly associated with a scientifically recognized important prehistoric or historic event or person.

TRIBAL CULTURAL RESOURCES

Assembly Bill 52

Assembly Bill (AB) 52 went into effect on January 1, 2015. The bill amended PRC 5097.94 and added PRC 21073, 21074, 21080.3.1, 21080.3.2, 21082.3, 21083.09, 21084.2, and 21084.3. PRC 21074(a) provides an initial set of criteria that define a tribal cultural resource as including but not limited to any of the following:

1. Sites, features, places, cultural landscapes, sacred places, and objects with cultural value to a California Native American tribe that are either of the following:
   Included or determined to be eligible for inclusion in the California Register of Historical Resources (CRHR).
   Included in a local register of historical resources as defined in subdivision (k) of PRC 5020.1.

2. A resource determined by the lead agency, in its discretion and supported by substantial evidence, to be significant pursuant to criteria set forth in subdivision (c) of PRC 5024.1. In applying the criteria set forth in subdivision (c) of PRC 5024.1 for the purposes of this paragraph, the lead agency shall consider the significance of the resource to a California Native American tribe.

Subdivision (b) of PRC 21074 adds that a tribal cultural resource may also be a cultural landscape provided it meets the criteria of subdivision (a), so long as the landscape is geographically defined in size and scope. Subdivision (c) of PRC 21074 clarifies that so long as the criteria in subdivision (a) are satisfied, the status as a unique or non-unique archaeological resource is not factored into the determination of whether a resource is a tribal cultural resource.

Section 1(a)(9) of AB 52 establishes that "a substantial adverse change to a tribal cultural resource has a significant effect on the environment," such that effects on tribal cultural resources need to be considered under CEQA. Section 6 of AB 52 adds PRC 21080.3.2, which states that parties may propose mitigation measures "capable of avoiding or substantially lessening potential significant impacts to a tribal cultural resource or alternatives that would avoid significant impacts to a tribal cultural resource."

CALIFORNIA REGISTER OF HISTORICAL RESOURCES

Created in 1992 and implemented in 1998, the CRHR is "an authoritative guide in California to be used by state and local agencies, private groups, and citizens to identify the state's historical resources and to indicate what properties are to be protected, to the extent prudent and feasible, from substantial adverse change" (PRC Sections 21083.2 and 21084.1). Certain properties, including those listed in or formally determined eligible for listing in the NRHP and California Historical Landmarks numbered 770 and higher, are automatically included in the CRHR. Other properties recognized under the California Points of Historical Interest program, identified as significant in historical resources surveys, or designated by local landmarks programs, may be nominated for inclusion in the CRHR. According to PRC Section 5024.1(c), a resource, either an individual property or a contributor to a historic district, may be listed in the CRHR if the State Historical Resources Commission determines that it meets one or more of the following criteria, which are modeled on NRHP criteria:

- **Criterion 1:** It is associated with events that have made a significant contribution to the broad patterns of California's history and cultural heritage.
- **Criterion 2:** It is associated with the lives of persons important in our past.
- **Criterion 3:** It embodies the distinctive characteristics of a type, period, region, or method of construction, or represents the work of an important creative individual, or possesses high artistic values.
- **Criterion 4:** It has yielded, or may be likely to yield, information important in history or prehistory.

Resources nominated to the CRHR must retain enough of their historic character or appearance to convey the reasons for their significance. Resources whose historic integrity does not meet NRHP criteria may still be eligible for listing in the CRHR. Although all sites are evaluated according to all four of the CRHR criteria, the eligibility for archaeological resources is typically considered under Criterion 4. Most prehistoric archaeological sites lack identifiable or important association with specific persons or events of regional or national history (Criteria 1 and 2), and/or lack the formal and structural attributes necessary to qualify as eligible under Criterion 3.

An archaeological site may be considered significant if it displays one or more of the following attributes: chronologically diagnostic, functionally diagnostic, or exotic artifacts; datable materials; definable

activity areas; multiple components; faunal or floral remains; archaeological or architectural features; notable complexity, size, integrity, time span, or depth; or stratified deposits. Determining the period(s) of occupation at a site provides a context for the types of activities undertaken and may well supply a link with other sites and cultural processes in the region. Further, well-defined temporal parameters can help illuminate processes of culture change and continuity in relation to natural environmental factors and interactions with other cultural groups. Finally, precise dating for an archaeological site can provide a link to regionally important research questions and a finding of eligibility under Criterion 4 (information potential). A site that cannot be dated is unlikely to possess the quality of significance required for CRHR eligibility or be considered a unique archaeological resource. The content of an archaeological site provides information regarding its cultural affiliations, temporal periods of use, functionality, and other aspects of its occupation history. The range and variability of artifacts present in the site can allow for reconstruction of changes in ethnic affiliation, diet, social structure, economics, technology, industrial change, and other aspects of culture.

Local Regulations

Los Angeles Historic-Cultural Monuments

Local landmarks in the City are known as Historic-Cultural Monuments (HCMs) and are under the aegis of DCP's Office of Historic Resources (OHR). Originally adopted in 1962, and most recently amended in 2018, the City's Cultural Heritage Ordinance establishes the criteria and process for designating HCMs as follows:

> [A] Historic-Cultural Monument (Monument) is any site (including significant trees or other plant life located on the site), building or structure of particular historic or cultural significance to the City of Los Angeles, including historic structures or sites in which the broad cultural, economic or social history of the nation, State or community is reflected or exemplified; or which is identified with historic personages or with important events in the main currents of national, State or local history; or which embodies the distinguishing characteristics of an architectural type specimen, inherently valuable for a study of a period, style or method of construction; or a notable work of a master builder, designer, or architect whose individual genius influenced his or her age. (City of Los Angeles Municipal Code Section 22.171.7)

The list of HCMs consists primarily of non-archaeological resources, but the criteria do not explicitly prohibit archaeological sites from being designated. There are currently two sites associated with Gabrielino settlements designated as HCMs (Nos. 112 and 490) that were originally identified from archaeological discoveries.

City of Los Angeles General Plan

CONSERVATION ELEMENT

Chapter II, Section 3 of the *Conservation Element of the City of Los Angeles General Plan* (Conservation Element) (DCP 2001), defers to the CEQA Guidelines in regard to the identification, evaluation, and mitigation of impacts to archaeological resources. The Conservation Element recognizes that the City has the primary responsibility to protect significant archaeological resources and states the following:

> If it is determined that a development project may disrupt or damage such a site, the project is required to provide mitigation measures to protect the site or enable study and

> documentation of the site, including funding of the study by the applicant. The city's environmental guidelines require the applicant to secure services of a bona fide archaeologist to monitor excavations or other subsurface activities associated with a development project in which all or a portion is deemed to be of archaeological significance. Discovery of archaeological materials may temporarily halt the project until the site has been assessed, potential impacts evaluated and, if deemed appropriate, the resources protected, documented and/or removed. (DCP 2001:II-4)

The Conservation Element gives the following objective and policy for archaeological and paleontological resources:

Objective: protect the city's archaeological and paleontological resources for historical, cultural, research and/or educational purposes.

Policy: continue to identify and protect significant archaeological and paleontological sites and/or resources known to exist or that are identified during land development, demolition or property modification activities.

CITYWIDE HOUSING ELEMENT 2021–2029

The Housing Element of the City's General Plan identifies Los Angeles's housing needs and opportunities and establishes clear goals and objectives to inform future housing decisions. The Housing Element Update was adopted by the City Council on November 24, 2021 (DCP 2021c). An environmental review for the Housing Element Update was completed pursuant to CEQA in conjunction with the Safety Element Update and targeted updates Health Element. A Draft Environmental Impact Report (EIR) was prepared and after incorporating input received during public scoping meetings and circulation, a revised draft was released in October 2021 and approved by the City Planning Commission (CPC) (DCP 2021a).

The *Citywide Housing Element 2021–2029 and Safety Element Updates Final Environmental Impact Report* (Program EIR) (DCP 2021b) was adopted and certified on October 29, 2021. The Program EIR included an MMP, which describes the procedures for implementing the mitigation measures put forward in the Draft EIR. The mitigation measures are included as conditions of approval on future discretionary projects, subject to the City's authority.

Using CEQA Guidelines Section 15168, subsequent projects may use the Program EIR as their environmental clearance if the project can be shown to be within the scope of the program addressed in the Program EIR, and its environmental effects are within the scope of environmental impacts analyzed in the Program EIR. Most projects involving new housing within the City are within the scope of the Housing Element Program and can use the Housing Element CEQA Streamlining Checklist for environmental clearance. For those housing projects found not to be within the scope of the impacts analyzed in the Program EIR, the Program EIR can be used to clear those impacts that were analyzed in the EIR and a tiered clearance, such as a mitigated negative declaration or focused EIR, can be used to clear those impacts that are not within the scope of the Program EIR.

The mitigation measures in the MMP for the Housing Element Update include the following provisions that apply to archaeological and tribal cultural resources (DCP 2021b:5-26–5-30, 5-51–5-53).

Archaeological Resources

4.4-2 Archaeological Resources

Discretionary projects that involve ground disturbance in native soils or soils of unknown origin, shall implement the following procedures to identify archaeological resources located in a development site and implement applicable impact reduction techniques to reduce substantial adverse effects associated with the inadvertent discovery of archaeological resources.

A. The project applicant shall retain a qualified archaeologist meeting the Secretary of the Interior's Professional Qualifications Standards (PQS) in archaeology to complete a cultural resources assessment of the development site. A cultural resources assessment may include an archaeological pedestrian survey of the development site, if possible, and sufficient background archival research and field sampling to determine whether subsurface prehistoric or historic remains may be present. Archival research should include a records search conducted at the South Central Coastal Information Center (SCCIC) and a Sacred Lands File (SLF) search conducted with the Native American Heritage Commission (NAHC).

B. If prehistoric or historic archaeological remains are identified as a result of the SCCIC or SLF searches, the remains shall be avoided and preserved in place where feasible.

C. Where preservation is not feasible, each resource shall be evaluated for significance and eligibility to the California Register. Phase 2 evaluation shall include any necessary archival research to identify significant historical associations as well as mapping of surface artifacts, collection of functionally or temporally diagnostic tools and debris, and excavation of a sample of the cultural deposit to characterize the nature of the sites, define the artifact and feature contents, determine horizontal boundaries and depth below surface, and retrieve representative samples of artifacts and other remains.

D. Excavation at Native American sites shall be monitored by a geographically affiliated tribal representative, as agreed upon in any formal consultation proceedings with the geographically affiliated tribe or as indicated by the NAHC. If no tribal monitor is available, the monitoring shall be done by a qualified archaeologist.

E. Cultural materials collected from the sites shall be processed and analyzed in the laboratory according to standard archaeological procedures. The age of the remains shall be determined using radiocarbon dating and other appropriate procedures; lithic artifacts, faunal remains, and other cultural materials shall be identified and analyzed according to current professional standards.

F. Following laboratory analysis, the significance of the sites shall be evaluated according to the criteria of the California Register. The results of the investigations shall be presented in a technical report following the standards of the California Office of Historic Preservation (OHP) publication "Archaeological Resource Management Reports: Recommended Content and Format (1990 or latest edition)" (http://ohp.parks.ca.gov/pages/1054/files/armr.pdf).

G. Upon completion of the work, all artifacts, other cultural remains, records, photographs, and other documentation shall be curated by an appropriate curation facility. All fieldwork, analysis, report production, and curation shall be fully funded by the applicant.

H. If the resources meet California Register significance standards, the City shall ensure that all feasible recommendations for impact reduction of archaeological impacts are

incorporated into the final design and permits issued for development. Necessary Phase 3 data recovery excavation, conducted to exhaust the data potential of significant archaeological sites, shall be carried out by a qualified archaeologist meeting the Secretary of the Interior's PQS for archaeology according to a research design reviewed and approved by the City prepared in advance of fieldwork and using appropriate archaeological field and laboratory methods consistent with the OHP Planning Bulletin 5 (1991), Guidelines for Archaeological Research Design, or the latest edition thereof.

I. If recommended by a cultural resources assessment, prior to issuance of a grading permit and prior to the start of any ground-disturbing activity, the applicant shall retain a qualified archaeologist who meets the Secretary of the Interior's PQS to oversee an archaeological monitor who shall be present during construction excavations, such as demolition, clearing/grubbing, grading, trenching, or any other construction excavation activity associated with the project, including peripheral activities, such as sidewalk replacement, utilities work, and landscaping, which may occur adjacent to the project site. The frequency of monitoring shall be based on the rate of excavation and grading activities, the materials being excavated (younger sediments vs. older sediments), the depth of excavation, and, if found, the abundance and type of archaeological resources encountered. Full-time monitoring may be reduced to part-time inspections, or ceased entirely, if determined adequate by the qualified archaeologist. Prior to commencement of excavation activities, Archaeological Sensitivity Training shall be given for construction personnel. The training session shall be carried out by the qualified archaeologist and shall focus on how to identify archaeological resources that may be encountered during earthmoving activities and the procedures to be followed in such an event.

J. In the event that historic (e.g., bottles, foundations, refuse dumps/privies, railroads, etc.) or prehistoric (e.g., hearths, burials, stone tools, shell and faunal bone remains, etc.) archaeological resources are unearthed, ground-disturbing activities shall be halted or diverted away from the vicinity of the find so that the find can be evaluated. A 50-foot buffer within which construction activities shall not be allowed to continue shall be established by the qualified archaeologist around the find. Work shall be allowed to continue outside of the buffer area. All archaeological resources unearthed by project development activities shall be evaluated by the qualified archaeologist. If a resource is determined by the qualified archaeologist to constitute a "historical resource" pursuant to CEQA Guidelines Section 15064.5(a) or a "unique archaeological resource" pursuant to Public Resources Code Section 21083.2(g), the qualified archaeologist shall coordinate with the applicant and the City to develop a formal treatment plan that would serve to reduce impacts to the resources. The treatment plan established for the resources shall be in accordance with CEQA Guidelines Section 15064.5(f) for historical resources and Public Resources Code Sections 21083.2(b) for unique archaeological resources. Preservation in place (i.e., avoidance) is the preferred manner of treatment. If, in coordination with the City, it is determined that preservation in place is not feasible, appropriate treatment of the resource shall be developed by the qualified archaeologist in coordination with the City and may include implementation of archaeological data recovery excavations to remove the resource along with subsequent laboratory processing and analysis. Any archaeological material collected shall be curated at a public, non-profit institution with a research interest in the materials, if such an institution agrees to accept the material. If no institution accepts the archaeological material, they shall be donated to a local school, Tribe, or historical society in the area for educational purposes.

K. As applicable, the final Phase 1 Inventory, Phase 2 Testing and Evaluation, or Phase 3 Data Recovery reports shall be submitted to the City prior to issuance of construction permit. Recommendations contained therein shall be implemented throughout all ground disturbance activities.

Tribal Cultural Resources

4.15-1(a) Native American Consultation and Monitoring for Discretionary Projects

All discretionary projects that involve ground disturbing activities in previously undisturbed soils, shall prepare a cultural resources assessment and do a record search with a study area of no less than 0.5 mile around the project area. Projects conducted in culturally and historically sensitive areas, as determined by a Qualified Archaeologist meeting the Secretary of the Interior's Professional Qualification Standards for Archaeologist, should include a record search with a study area of no less than 1 mile around the project area.

Notification shall be provided to California Native American tribes that are traditionally and culturally affiliated with the geographic area of the project site and have submitted a written request to the Department of City Planning to be notified of proposed projects in that area. Should projects have potential to impact cultural resources, as determined during the environmental assessment or Tribal consultation, a Cultural Resources Monitoring Program (CRMP) shall be prepared by Qualified Archaeologist, in consultation with all interested Tribes, prior to the commencement of any and all ground disturbing activities for the Project, including any archaeological testing. The CRMP shall include compliance with 4.15-1(b) and will provide details regarding the process for infield treatment of inadvertent discoveries and the disposition of inadvertently discovered non-funerary resources and shall be consistent with the treatment of unique archaeological resources in PRC 21083.2.

4.15-1(b) Discovery of Potential Tribal Cultural Resources

In the event that Tribal Cultural Resources are discovered during Project activities, whether or not a tribal monitor is present, and there is no CRMP or the CRMP does not cover treatment of inadvertent discovery, all work within a 50-foot buffer of the find shall cease and a Qualified Archaeologist meeting the Secretary of the Interior's Professional Qualification Standards for Archaeology shall assess the find. Tribes that are culturally and historically affiliated with the Project area and have requested consultation shall be notified, should any potential tribal cultural resource be discovered during project implementation. Construction personnel shall not collect or move any tribal resources. Construction activity may continue unimpeded on other portions of the project site. Unless agreed otherwise during the tribal consultation process or in a CRMP, if tribal cultural resources are discovered during construction, the applicant and/or owner shall retain a Qualified Tribal Monitor (as approved by the Tribe) if requested by the Tribe. Any and all archaeological/cultural documents created as a part of the Project (isolate records, site records, survey reports, testing reports, and monitoring reports) should be provided to consulting Tribes. Any tribal cultural resources discovered shall be treated with appropriate dignity and protected and preserved as appropriate with the agreement of the Tribal Representative and in accordance with federal, state, and local guidelines. If not otherwise provided in the CRMP, the Lead Agency and/or applicant shall, in good faith, provide all consulting Tribes the opportunity to consult on the disposition and treatment of resources. The location of the find of tribal cultural resources and the type and nature of the find will not be published, except to provide information to the

Qualified Archaeologist, tribal representatives, and public agencies with jurisdiction or responsibilities related to the resources. An agreement will be reached with the Tribal Representative to mitigate or avoid any significant impacts to identified tribal cultural resources. Absent an agreement with the Tribal Representative, as provided in Public Resources Code Section 21083.2, the find should be preserved in place or left in an undisturbed state unless the Project would damage the resource. When preserving in place or leaving in an undisturbed state is not possible, excavation should not occur until testing or studies prepared by a Qualified Archaeologist have adequately documented the recovery of scientifically consequential information from and about the resource. Construction activity may continue unimpeded on other portions of the project site if cleared by the Qualified Tribal Monitor or Qualified Archaeologist. Ground Disturbance Activities in the area where resources were found may commence once the identified resources are properly assessed and processed by a Tribal Representative or, if no Tribal Representative is identified, a Qualified Archaeologist.

The measure shall be shown on plans.

METHODS

California Historical Resources Information System Records Search

Archaeological studies and resource records are managed in California as part of the CHRIS. Physical copies of reports and resource records and digital data are retained at multiple information centers that collectively manage the CHRIS for specific counties. Records for Los Angeles County are maintained by the SCCIC, which is located at California State University, Fullerton. Each information center also maintains the Archaeological Determinations of Eligibility list (OHR Directory of Historic Properties Data File), and has access to the NRHP, CRHR, California Points of Historical Interest, California Historical Landmarks, and California State Inventory of Historic Resources. A non-confidential CHRIS search conducted through an information center will identify the number of resources and reports for a specified area and a selected radius but omits any information that reveals the confidential location or contents of archaeological resources. A confidential CHRIS records search includes copies of all records and is made available only to authorized users who meet criteria defined by the California OHP.

Prior studies and resources are assigned unique identifiers in the CHRIS, and spatial data are recorded on paper maps and/or in a geographic information system (GIS). The identifiers for prior studies and resources incorporate codes specific to each county. The identifier assigned to all cultural resources is known as the primary number and is indicated by a letter prefix ("P") that includes a county code (Los Angeles County is 19) followed by a sequential six-digit number, e.g., P-19-000001. Cultural resources with archaeological components (i.e., archaeological resources) are given a second designation, referred to as a trinomial. The trinomial incorporates a state and county code ("CA-LAN" for Los Angeles County) followed by a number, which may be the same as the digit used in the primary number but could also vary. Archaeological resources that are exclusively historic in age are given an additional suffix, "H", e.g., CA-LAN-169H. Archaeological resources containing both prehistoric- and historic-era components are designated with the suffix "/H", e.g., CA-LAN-7/H. Archaeological resources that are exclusively prehistoric in age will not have either suffix. For this report, all archaeological sites will be referenced by their trinomial number, and for ease of reference the "CA-" prefix is excluded, e.g., CA-LAN-1 is referred to as LAN-1. Sites that are not assigned a trinomial are referenced here using their primary number.

For this study, SWCA requested a search of the CHRIS from the SCCIC that included any previously recorded archaeological resources and any cultural resource investigations within a 0.8 km (0.5-mile) radius of the Development Area. The CHRIS records search also included a review of the NRHP, the CRHR, California Points of Historical Interest list, the California Historical Landmarks list, the Archaeological Determinations of Eligibility list (OHR Directory of Historic Properties Data File), the City's HCM list, and the California State Inventory of Historic Resources. The results of the CHRIS search were summarized in a digital letter from the SCCIC dated February 8, 2024, which is provided in Appendix A, and attachments containing database records and confidential GIS data.

Sacred Lands File Search

The NAHC is charged with identifying, cataloging, and protecting Native American cultural resources, which includes ancient places of special religious or social significance to Native Americans, and known ancient graves and cemeteries of Native Americans on private and public lands in California. The NAHC's inventory of these resources is known as the SLF. In addition, the NAHC maintains a list of tribal contacts affiliated with various geographic regions of California. All outreach to tribe was conducted as part of the notification process conducted pursuant to MM 4.15-1(a) of the MMP from the Program EIR and is described below. The contents of the SLF are strictly confidential, and SLF search requests return positive or negative results in addition to a list of tribal contacts with affiliation to the specified location. A letter from the NAHC summarizing the results of the records search is provided in Appendix B.

Archival Research

Concurrent with the confidential CHRIS records search, SWCA reviewed property-specific historical and ethnographic context research to identify information relevant to the Development Area. Research focused on a variety of primary and secondary materials relating to the history and development of the Project Site and Development Area, including historical maps, aerial and ground photographs, ethnographic reports, and other environmental data. Archival research focused on assessing the general sequence of developments within the Development Area and vicinity beginning in the nineteenth century. Aerial photographs were used to help assess the setting of the Development Area from 1927 to the present.

Sources consulted included the following publicly accessible data sources: OHR (SurveyLA); David Rumsey Historical Map Collection; Early California Cultural Atlas (Native American villages and placenames [Hackel et al. 2015]); Huntington Library Digital Archives; Library of Congress, Los Angeles Public Library Map Collection; Los Angeles Public Library (maps and photographs); Sanborn Fire Insurance Company maps (Sanborn maps); USGS historical topographic maps; University of California, Santa Barbara Digital Library (aerial photographs); and University of Southern California Digital Library.

In addition to the above, SWCA reviewed the results of a geotechnical investigation conducted for the Project by Group Delta (Bueno and Tsai 2023). Group Delta reviewed past geotechnical investigations conducted near the Development Area, conducted limited subsurface boring, identified the sediments within the Development Area, and offered a preliminary assessment of the geophysical conditions.

Archaeological Sensitivity Analysis

SWCA assessed the potential for the presence of an unidentified resource in the form of a buried archaeological site, which includes tribal cultural resources that are archaeological in nature.[2] That determination considers historical use of the Development Area and vicinity broadly and the physical setting specifically, including an assessment of whether the setting is capable of containing buried archaeological material, and finally, characterizing the potential for a buried resource. Lacking any data specifically gathered to assess the presence or absence of archaeological material below the surface, the resulting sensitivity is by nature qualitative, ranging along a spectrum of increasing probability for encountering such material, designated here as low, moderate, and high.

SWCA assessed the sensitivity of the Development Area to contain Native American archaeological resources, as well as non-Native American (i.e., historical) archaeological resources. Specific factors are considered for each respective resource type. For Native American archaeological resources, a primary consideration is assessing whether an area provided favorable conditions for short term or seasonal habitation at various time intervals during the Terminal Pleistocene and Holocene. This is assessed by analyzing the following: proximity to natural features (e.g., perennial water source, plant or mineral resource, animal habitat) and other known Native American archaeological sites; topography and hydrology to assess whether the area provided relatively level ground and dry conditions; and viewshed to assess whether the location offered a prominent view for either practical or ceremonial purposes. These assessments rely on historical ecological reconstructions for vegetation, hydrology, topography, and paleoenvironmental data; therefore, the resulting sensitivity assessment may vary in its resolution over time and from region to region.

Assessing historical archaeological resource sensitivity relies more exclusively on archival research that indicates past land uses, as well as reports of archaeological discoveries, whether in public sources (e.g., newspapers, newsletters) or historical archaeological sites in the CHRIS records. Where soils data have been collected (e.g., during geotechnical sampling), the presence of common archaeological materials (e.g., bricks, glass, and/or building materials) in geotechnical bores may suggest an increased likelihood for a buried historical archaeological resource; the presence of a stratum designated as fill in the geotechnical testing may indicate the overall area in which such resources could be preserved below ground. For areas that were vacant during the nineteenth and/or twentieth centuries, land uses in areas directly adjacent or in reasonable proximity are also considered in terms of the types of activities and material remains that may have been deposited within the open space. Land use history is also considered in terms of its potential to destroy, displace, or otherwise diminish the potential for a buried archaeological resource of a previous time that may have once been present.

For purposes of the current study, high archaeological sensitivity is defined as any area with a favorable setting for Native American habitation or temporary use, documentation of historical occupation(s), soil conditions capable of preserving buried material, and little to no disturbances. Areas lacking these traits are considered to have low sensitivity. Areas with a combination of these traits are considered as having moderate sensitivity.

Outreach to California Native American Tribes

MM 4.15-1(a) of the MMP from the Program EIR includes a provision requiring the applicant of an individual project to provide notification to California Native American tribes who are traditionally and culturally affiliated with the geographic area of a given project site and have submitted a written request

[2] Hereafter, all references to Native American archaeological resources are assumed to also apply to tribal cultural resources that are archaeological in nature but will not be referenced as such.

to City Planning to be notified of a proposed project in that area. The notification is intended to provide information on the proposed project and request information concerning the presence of a tribal cultural resource or likelihood for a potential tribal cultural resource as a means of informing the analysis of the potential for impacts to a tribal cultural resource. The outreach process established under the Housing Element CEQA Streamlining Checklist is informational in nature and not intended as government-to-government consultation in the manner required for AB 52 tribal consultation. However, informational outreach pursuant to MM 4.15-1(a) was conducted based on the City's AB 52 consultation list (including tribal contact information provided by the NAHC, updated as of 10/24/2022), and any information provided by tribes is still subject to the confidentiality protections provided under PRC Section 21082.3(c).

SWCA sent written notification letters to 10 contacts representing nine (9) California Native American tribes. The notifications provided information on the Project and the environmental review process being undertaken through the City's Housing Element CEQA Streamlining process. The letters requested that any responses be received no more than 2 weeks after receipt of the letter. The notifications were printed and sent via certified mail through the U.S. Postal Service. An electronic copy of the letters was submitted to one contact via email because the written notification was returned as undeliverable. The notifications were mailed on July 18, 2025, and delivered July 21–25. The requested response period ended on August 8, 2025. Copies of the notification letter and certified mail receipts are included here in Appendix C. All confidential materials from the correspondence are included in Appendix D, which is excluded from publicly circulated drafts of this report.

ENVIRONMENTAL SETTING

The Development Area is in the northwestern portion of the Los Angeles Basin, a broad, level plain defined by the Pacific Ocean to the west, the Santa Monica Mountains and Puente Hills to the north, and the Santa Ana Mountains and San Joaquin Hills to the south. This extensive alluvial wash basin is filled with Quaternary alluvial sediments deposited as unconsolidated material eroded from the surrounding hills. Over millions of years, the basin has experienced episodes of subsidence, deposition, uplift, erosion, and faulting, all of which have resulted in very complex geology, as well as oil deposits and abundant fossils (Ingersoll and Rumelhart 1999; Lamar 1970; Yerkes et al. 1965). The surface of the basin slopes gently southwestward toward the ocean, interrupted in various places by low hills and traversed by several large rivers (Yerkes et al. 1965). The Development Area is situated in the former plain of the Los Angeles River. Topographically, the setting is characterized as an open aspect plain with a very gradual slope to the south. The Development Area is at an elevation of approximately 87.5 to 88.7 meters (m) (287–291 feet) above mean sea level. The Pacific Ocean shoreline is approximately 21.91 km (13.62 miles) to the west of the Development Area.

Geology and Soils

According to geologic mapping by Campbell and others (2014), Late Pleistocene young alluvium, Unit 2 (Qya_2) is present across the entire Development Area (Figure 5). The Late Pleistocene (or Terminal Pleistocene) marks the end of the last glacial period, which occurred around 11,000 to 12,000 years ago and transitioned into the comparatively warmer period known as the Holocene (Campbell et al. 2014). The Qya_2 unit consists of unconsolidated, generally friable, stream-deposited silt, sand, and gravel on flood plains, locally including related alluvial fans and streambeds. Although the area mapped by Campbell and colleagues as Qya_2 generally consists of sediments with similar physical characteristics and ages, there are smaller scale deposits of Holocene-aged deposits contained within the sedimentary unit. In at least one case, a piece of human bone dated to the Middle Holocene was identified beneath more than 20 feet of alluvium within the Qya_2 unit.

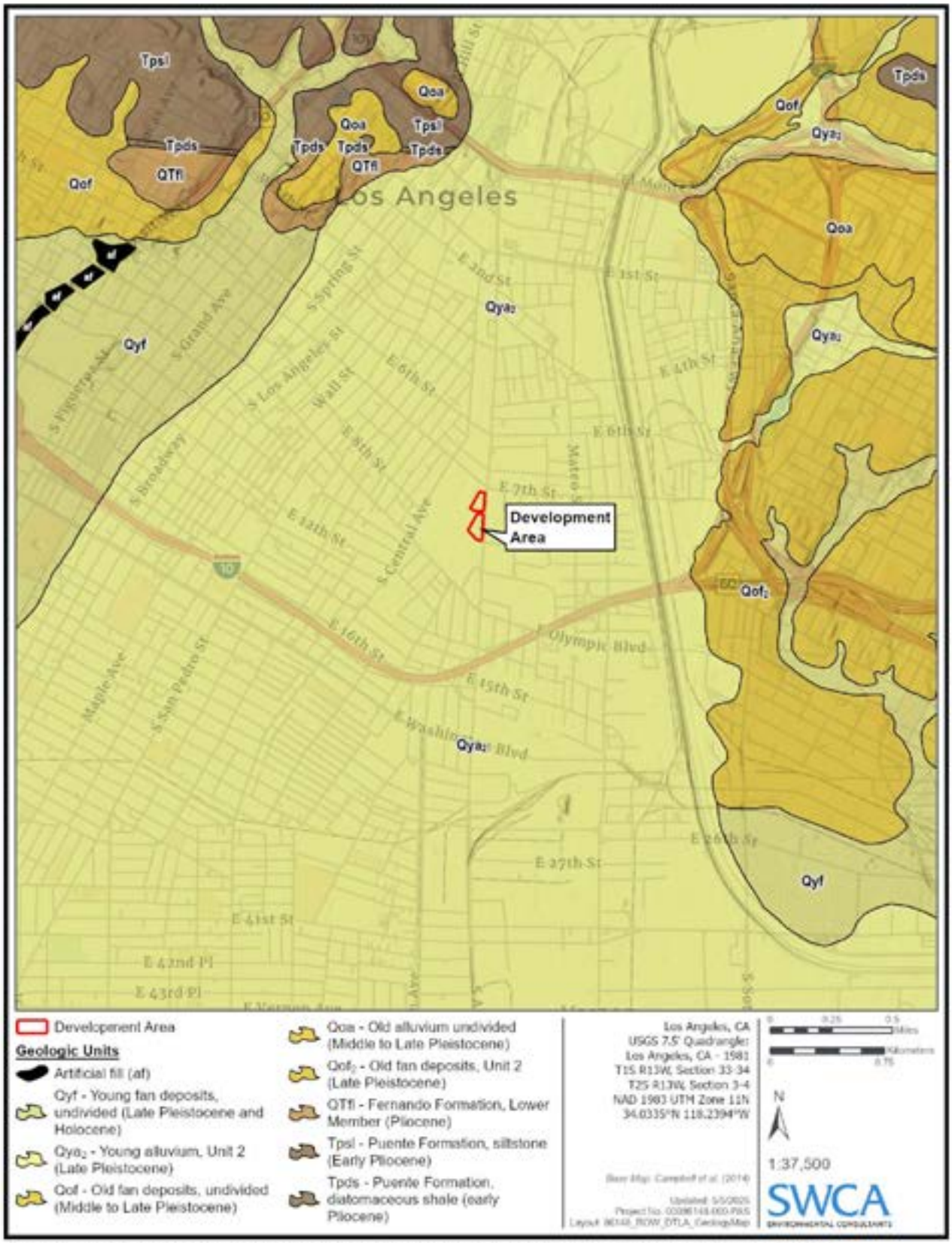

Figure 5. Surficial geology from Campbell et al. 2014. The Development Area is in a unit designated as Young Alluvium (Qya_2), which formed during the Late Pleistocene.

Old fan deposits in the region consist of gravel, sand, silt, and clay deposited along alluvial fans off the Santa Monica Mountains and are moderately to well consolidated and slightly to well cemented (Campbell et al. 2014; Dibblee 1991). There are comparatively older alluvial sediments formed in the Middle to Late Pleistocene—Old Alluvium (Qoa, Qof)—that are mapped as surface deposits to the east of the Development Area and likely underlay the Qya_2 unit, although the depth is likely to be highly variable and difficult to determine from sediment profiles.

Further detail on the sub-surface conditions was obtained through a geotechnical investigation of the Development Area conducted in 2023 by Group Delta, which involved drilling seven hollow-stem auger bores, performing eight cone penetration tests, and completing an analysis of the results. A technical memorandum for the Project with the preliminary results of the investigation indicates that up to 5 feet of undocumented fill was encountered in the borings taken across the Development Area (Bueno and Tsai 2023:1). Brick fragments were noted within the surficial fill stratum in all the bores.

Beneath the surficial fill are loose sediments down to a depth of 8 and 12 feet in the areas of Buildings A-B and Building C, respectively. The total depth of the bores ranged from 30 to 50 feet below grade. The loose sediments beneath the fill and the denser sands described below 15 feet appear to be composed of naturally deposited alluvium accumulated as flood plain deposits. Flood plain deposits from the Los Angeles River typically exhibit variations in the sequence of high- and low-energy depositional events. The alluvium consisted of various substratum composed of silty sand, poorly graded sand with silt, and well graded sand, which alternated in their stratigraphic sequence. Gravel content was generally low and did not exhibit much variation with depth. When present, the gravels were noted as being fine. Based on the sediment composition described in the geotechnical bore logs, there does not appear to be any evidence of high energy alluvial deposition. The sequence of silt and sand deposits are consistent with medium to low energy deposition from seasonal flooding along the Los Angeles River.

Hydrology

Several major watercourses drain the Los Angeles Basin, including the Los Angeles, San Gabriel, and Santa Ana Rivers and Rio Hondo. Flood events such as those recorded in the nineteenth and early twentieth centuries have produced massive deposits of alluvial sediments within the floodplain of the Los Angeles River, as well as the other major drainages in the Los Angeles Basin. Alluvial terraces formed where flooding water eroded uplifted landforms. In the area of Downtown Los Angeles, the backslopes in the location of Bunker Hill delineate the edge of the historical floodplain for the Los Angeles River. The south-flowing Los Angeles River is currently approximately 1.06 km (0.66 miles) west of the Development Area.

Historically, the primary channel of the Los Angeles River shifted its course multiple times within the Los Angeles Basin, oscillating between its current southerly course and one that flowed to the west from a point near the downtown area and then along the current course of Ballona Creek. Gumprecht (2001) plotted a speculative route for the former westerly courses and some of the shifts reported in the nineteenth century (Figure 6). Among the first recorded shifts is a shift that occurred in 1815 when floodwaters overflowed the former channel, shifting the course at least 0.8 km (0.5 mile) to the southwest, near the present route of Spring Street, and possibly flowing over or immediately adjacent to the existing Development Area. That flood is reported to have destroyed structures built as part of the original Los Angeles Pueblo (Gumprecht 2001:139–141) and may have also flooded all or parts of the Native American village site of Yaanga, which is believed to have been located nearby (see below, Native American Communities in Los Angeles).



Figure 6. Historical shifts in the Los Angeles River channels based on Gumprecht (2001:140) and areas of inundation.

Some shifts were more dramatic, changing by 90 degrees and altering the course of the river to the ocean. Before 1825, the river flowed west from what is now downtown Los Angeles and discharged into the Ballona Wetlands in what is now Playa del Rey. The river followed a western course approximated by Washington Boulevard and then turned southwest at the Baldwin Hills, flowing along the northwest-facing side of the slopes—the course now occupied by Ballona Creek (Gumprecht 2001:17). Heavy rains in 1825 caused the channel to overflow its banks and the Los Angeles River shifted its course fully south, emptying into the bay near San Pedro, where the river has discharged ever since. In subsequent years, the river would frequently shift its course within the southern floodplain, which in some areas measures up to 2 miles wide (Gumprecht 2001:16). However, these more dramatic shifts between the western and southern routes are likely to have occurred during most of the life of the watercourse, and certainly over during the last 13,000 years—the period in which there is evidence for Native Americans in southern California.

Flora and Fauna

The Development Area is in a fully urbanized setting and is devoid of natural vegetation and natural habitat for most endemic animal species. Even before the urbanization of the twentieth century, the ecology of the Los Angeles prairie had undergone a transformation during the preceding century as a result of ranching and agricultural practices that accompanied European settlement (see Schiffman 2005). Although there are fewer surviving examples of the pre-settlement ecology in the lower elevations compared with those of the surrounding hillsides, various attempts have been made to reconstruct the historical ecology of the Los Angeles Basin. Schiffman provides a cohesive summary of the vegetation structure and species composition for the Los Angeles Basin:

> Most steep hillsides were covered by impenetrably dense evergreen chaparral shrubs such as California lilac (*Ceanothus* spp.), chamise (*Adenostoma fasciculatum*), scrub oak (*Quercus berberidifolia*), and manzanita (*Arctostaphylos* spp.) or sparsely shrubby and drought deciduous coastal sage scrub vegetation that included buckwheat (*Eriogonum fasciculatum*), sages (*Salvia* spp.), and sagebrush (*Arternisia californica*). In contrast to the shrubby hills and mountain slopes the dense, clayey soils of the flat valleys and plains supported a diverse prairie vegetation of colorful ephemeral wildflowers mixed with grasses and other plants of low stature. In addition, woodlands of walnut (*juglans californica*) and oak (*Quercus agrifolia* and *Q. lobata*) were found in canyons and on some hillsides, and broad corridors of willow (*Salix* spp.), alder (*Alnus rhombifolia*), sycamore (*Platanus racemosa*), and mulefat (*Baccharis salicifolia*) lined the river floodplains and feeder creeks that dissected the landscape. (Schiffman 2005)

Küchler defined vegetation communities for the region, and the Development Area is situated in the unit designated as coastal sagebrush (Küchler 1977). In addition to the species Schiffman references, those found in the coastal sagebrush unit also include California aster (*Corethrogyne filaginifolia*), golden bush (*Isocoma menziesii*), coyote brush (*Baccharis pilularis*), encelia (*Encelia californica*), fuchsia-flowered gooseberry (*Ribes speciosum*), and monkey flower (*Mimulus aurantiacus*).

Along with the natural resources found within the inland environments, Native American communities in the Los Angeles Basin would have had access to plant, animal, and lithic resources along the coast and surrounding hills and mountains. Descriptions of these ecological conditions and the associated Native American uses of resources found therein is described elsewhere. For example, Lightfoot and Parrish (2009:253–277) provide a summary for coastal and inland settings for the southern California, an overview of the Santa Monica Mountains is included in King's (2011) report, and coastal environments are addressed in numerous studies such as those by Byrd and Raab (2007), Erlandson (1994), and Gamble (2008).

CULTURAL SETTING

Native American Archaeological Record

Over the years, researchers have devised numerous prehistoric chronological sequences to aid in understanding cultural changes at various scales (i.e., regional vs. local patterning) in southern California. California prehistory is generally divided into three broad temporal periods (i.e., Paleoindian, Archaic, and Emergent periods; see Fredrickson 1973, 1974, 1994) that reflect similar cultural characteristics throughout the state and were generally governed by climatic and environmental variables, such as the drying of pluvial lakes at the transition from the Paleoindian to the Lower Archaic. Numerous chronological sequences were also devised to characterize cultural changes on a smaller scale, within the subregion of southern California specifically.

Building on early studies and focusing on data synthesis and artifact types, Wallace (1955, 1978) developed a prehistoric chronology for the southern California coastal region that is still widely used today and is applicable to near-coastal and some inland areas. Wallace's prehistoric chronology for southern California was composed of four sequential horizons: Horizon I, Early Man; Horizon II, Milling Stone (hereafter Millingtstone); Horizon III, Intermediate; and Horizon IV, Late Prehistoric (Late Period). Although Wallace's 1955 synthesis initially lacked chronological precision due to a paucity of absolute dates (Moratto 1984:159), this situation has been alleviated by the availability of thousands of radiocarbon dates obtained by southern California researchers in the last several decades (Byrd and Raab 2007:217). As such, several revisions were subsequently made to Wallace's 1955 synthesis using radiocarbon dates and projectile point assemblages resulting in more refined chronologies and sequences (e.g., Koerper and Drover 1983; Koerper et al. 2002; Mason and Peterson 1994; see also Moratto 1984).

Additional primary syntheses for southern California prehistory were developed by Warren (1968) and King (1981, 1990), which used the growing archaeological datasets of specific subregions within southern California to define increasingly localized cultural sequences. Using the concepts of cultural ecology and cultural tradition, Warren (1968) proposed a series of six prehistoric traditions. Three of these traditions, the San Dieguito Tradition, Encinitas Tradition, and Campbell Tradition, correlated with Wallace's Horizons I, II, and III; and the Chumash Tradition, Takic Tradition (formerly "Shoshonean"), and Yuman Tradition are represented in Wallace's Horizon IV. These ecologically based traditions are applicable to specific regions within southern California. King (1981, 1990) later modified Wallace's (1955, 1978) sequence into three major periods of Chumash regional prehistory—Early, Middle, and Late—each of which contains phases or subphases. King's synthesis is based on stylistic changes in artifacts, particularly shell beads and ornaments, from Santa Barbara Channel burial assemblages, which he used to interpret the continuity in development of artifacts as an indication that Chumash culture developed locally in the last ~7,500 years. Arnold (1992) expanded King's chronology by adding a distinct Middle-to-Late Transition period, lasting from A.D. 1150 to 1300.

More recent efforts to synthesize various Native American archaeological chronologies for southern California incorporate geological time periods as a way of standardizing the terminology and emphasizing the correlation between human behavior and changes in the environment across different climatic periods. Figure 7 provides a reference point for the primary periods and cultural traditions discussed below along with chronologies denoted by "years before present" (BP) and calendar ages (B.C. and A.D.).[3]

[3] Elsewhere in this report uncalibrated radiocarbon ages are presented as radiocarbon years B.P. and their calibrated dates are expressed as cal BP

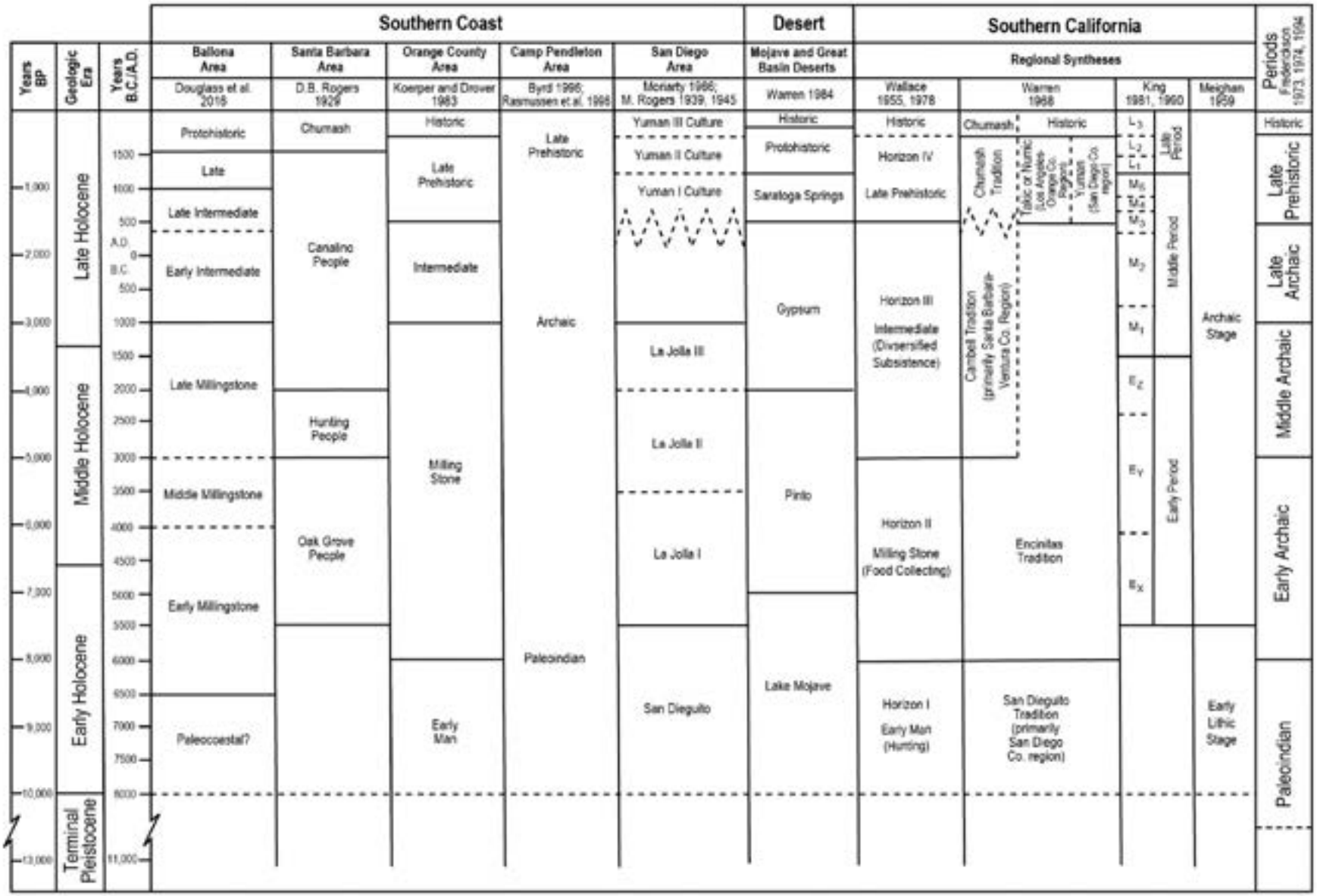

Figure 7. Chronological frameworks for southern California cultural traditions and archaeological contexts.

Terminal Pleistocene: Paleoindian / Paleocoastal Tradition (Before 11,700 BP)

Any discussion of human occupation of coastal areas during the Terminal Pleistocene (before 11,500 BP) must be prefaced with an understanding that sea level rise during this period of severely shifting climate inundated many kilometers of shoreline worldwide and along southern California coastlines specifically, submerging an unknown number of archaeological sites (i.e., Reeder-Myers et al. 2015). Therefore, any evidence that we do have of human occupation in what are now coastal settings is likely only a small fraction of what originally existed (see Erlandson et al. 2007, 2015).

The earliest evidence for human occupation in southern California is found on the northern Channel Islands, where multiple Terminal Pleistocene sites have been identified and dated in the past couple decades, firmly establishing the presence of early coastal-adapted people in the region (Erlandson et al. 1996, 2011, 2020; Erlandson and Braje 2008; Erlandson and Colton 1991). On Santa Rosa Island, human remains have been dated from the Arlington Springs site to approximately 13,000 years ago (Johnson et al. 2002). Recent excavations and radiometric dating of multiple archaeological assemblages on San Miguel, Santa Rosa, and Santa Cruz islands document Paleoindian technologies, subsistence strategies, and seasonality of site occupation during the latter part of the Terminal Pleistocene (~11,700 BP), with similarities to the Western Stemmed Tradition found across much of western North America (Braje et al. 2013; Erlandson 2013; Erlandson et al. 1987, 2011, 2020; Erlandson and Braje 2008; Jew et. al 2013; Rick et al. 2013).

Finely crafted chipped stone crescents like those recorded on the northern Channel Islands as part of the Paleocoastal toolkit were also found in surficial contexts on San Nicolas Island, suggesting an earlier occupation for the southern Channel Islands as well (Davis et al. 2010). It is possible that similarly early sites were present on the mainland California coast as well; however, the rate and degree of development beginning with Spanish colonization and continuing to the present has likely destroyed most early sites along the California mainland coast. Nevertheless, three fluted points representing the Clovis culture have been found in southern California mainland coastal areas, including one in Santa Barbara County (Erlandson et al. 1987), one in Los Angeles County near Malibu (Stickel 2000), and one in El Morro Canyon, in what is now Crystal Cove State Park in Orange County (Fitzgerald and Rondeau 2012). Additionally, numerous fluted projectile points of the Clovis and Folsom Traditions have been reported from inland contexts in central and southern California (e.g., Davis 1975; Dillon 2002; Moratto et al. 2011; Riddell and Olsen 1969; Rondeau 2006; Yohe II and Gardner 2016).

Early Holocene (~11,700 to 7000 BP)

HORIZON I: EARLY MAN

During the early twentieth century, several sensationalized finds were thought to be evidence of "Early Man" in the Los Angeles Basin; however, subsequent analyses have not held up as hoped. First, in 1914 human remains were found in direct association with extinct Pleistocene fauna at the La Brea Tar Pits (LAN-159/H) (Merriam 1914). Though early estimates suggested that this find extended up to 34,000 years ago, radiocarbon dating has since shown these remains to have an estimated age range of approximately 9,000 to 4,450 BP (Berger et al. 1971; Payen 1970), with the most recent redating using accelerator mass spectrometry (AMS) providing a calibrated[4] date range of ~10,200 cal BP (Fuller et al. 2016), placing this individual at the transition between the Paleocoastal/Paleoindian period and the Millingstone period. A second early discovery at Angeles Mesa in Baldwin Hills (the Haverty, or Angeles

[4] Uncalibrated radiocarbon ages are presented as radiocarbon years B.P. and their calibrated dates are expressed as cal B.P.

Mesa site, LAN-171) included partially mineralized skeletal remains of several individuals found in depths up to 7 m below surface (Brooks et al. 1990; Stock 1924). Issues with the various methods used to date these bones remain unresolved, however, and analyses have returned estimated dates of more than 50,000 years ago based on amino acid racemization (Taylor et al. 1985) and radiocarbon date ranges that span 3,870 ± 350 to 15,900 ± 50, representing an unacceptably large margin of error for a single individual (Berger et al. 1971; Brooks et al. 1990). There are similar concerns related to the age of remains referred to as "Los Angeles Man"—designated as LAN-172 (Lopatin 1940)—which were discovered in a similar depositional context less than 2 miles from the Haverty site in 1936 (Brooks et al. 1990; Erlandson et al. 2007:54).

Mainland sites attributed to Horizon I generally indicate that the economy was a diverse mixture of hunting and gathering, with a major emphasis on aquatic resources in many coastal areas (e.g., Jones et al. 2002) and a greater emphasis on large-game hunting inland. Fundamental elements of lithic tool technology described by Wallace (1955) for this period include numerous scrapers, choppers, chipped and notched crescents, and large blades and points. Wallace (1955) also describes clam shell and bone beads, along with an absence of seed grinding implements from the site type for this period, Malaga Cove. Several sites in Orange and San Diego Counties contain components that date between 9,000 and 10,000 years ago (Byrd and Raab 2007:219; Macko 1998a:41; Mason and Peterson 1994:55–57; Sawyer and Koerper 2006), and radiocarbon dates from the Goleta Slough area in Santa Barbara County indicate occupations spanning ca. 9300–8400 cal BP (ca. 7300–6400 B.C.) with a primary subsistence focus on lagoon/bay shellfish (Owen et al. 1964).

Middle Holocene (7000 to 4000 BP)

HORIZON II: MILLINGSTONE

The Millingstone horizon corresponds to the Early Holocene when rising sea levels continued to encroach on coastlines, though global climate was slowly stabilizing. Set during a warmer and drier climatic regime than the previous horizon, the Millingstone horizon is characterized by subsistence strategies centered on collecting plant foods and small animals, though in coastal areas where archaeological assemblages have been preserved there is also ample evidence of marine resource use during this time as well (Connolly et al. 1995; Rick et al. 2001). The importance of seed processing is apparent in the dominance of stone grinding implements in archaeological assemblages from this period, namely milling stones (metates) and hand stones (manos) (Erlandson 1991, 1994; Moriarty 1966; Warren 1967). The variety of site types from this period indicate a mobile settlement pattern, and recent research indicates that Millingstone horizon food procurement strategies varied in both time and space, reflecting divergent responses to variable coastal and inland environmental conditions (Byrd and Raab 2007:220).

Millingstone assemblages are characterized by the extensive use of milling implements (particularly manos and metates) and mullers along with scraper planes, choppers, and core tools and a general lack of finely crafted projectile points, though leaf-shaped points believed to be darts are present. The general lack of faunal remains along with bone and shell tools at some sites dated to this period have led researchers to suggest a stronger reliance of plant food resources (i.e., seeds) with only a minor focus on hunting. Several sites have been described for this horizon throughout southern California, including Little Sycamore in Ventura, Porter Ranch in San Fernando, and the La Jolla shellmounds in San Diego. Los Angeles County sites with Millingstone components include Malaga Cove (Level 2, LAN-138; Walker 1952), the Tank Site (LAN-1) in Topanga Canyon (Heizer and Lemert 1947; Treganza and Bierman 1958), the Zuma Creek site (LAN-174; Wallace 1955; see also Ascher 1959), the Sweetwater Mesa site (LAN-267; King 1967), the Shobhan Paul site (LAN-958; Porcasi and Porcasi 2006; Salls 1995); and the Parker Mesa site (LAN-215; King 1962). Primary sites with Millingstone components

in Orange County include Bolsa Chica (ORA-83; Herring 1961, 1968), ORA-64 (Drover et al. 1983; Macko 1998b), and the Landing Hill site (Cleland et al. 2007).

HORIZON III: INTERMEDIATE

This horizon corresponds with the Middle Holocene and early Late Holocene time periods geologically and marks the point when current shorelines were established in most parts of the world. Consequently, evidence for marine resource use appears to increase after 5,000 to 6,000 years ago. The Intermediate horizon is characterized by a shift toward a hunting and maritime subsistence strategy, along with a wider use of plant foods. An increasing variety and abundance of fish, land mammal, and sea mammal remains are found in sites from this horizon along the California coast. Related chipped stone tools suitable for hunting, including side-notched projectile points, are more abundant and diversified, and shell fishhooks became part of the toolkit during this period. Mortars and pestles became more common during this period, gradually replacing manos and metates as the dominant milling equipment and signaling a shift away from the processing and consuming of hard-shelled seed resources to the increasing importance of fleshier fruits like the acorn (e.g., Glassow et al. 1988; True 1993).

Technological markers described by Wallace (1955) for this horizon consist of basket-hopper mortars, mortar and pestle, diverse and plentiful chipped stone assemblages with broad leaf-shaped blades and heavy often stemmed projectile points, bone and antler tools are present to some degree but not in the quantity seen during later phases, along with occasional use of bitumen (asphalt) and steatite. Faunal assemblages often include terrestrial mammals representing wild game, along with some marine mammal bones and often high densities of shellfish remains.

The Middle Holocene also marks a time of cultural innovation in the archaeological record of California. Significant cultural developments are seen in the increasing formation of larger settlements, the intensification of long-distance trade networks including distinct cultural spheres throughout western North America, and the elaboration of art and personal aesthetics (e.g., shell and stone pendants and increasing variety of shell bead types and styles) (Erlandson and Glassow 1997; Glassow 1997; Howard and Raab 1993; Jenkins and Erlandson 1996; King 1990; Raab and Howard 2002; Vellanoweth 2001).

There is also evidence suggesting migrations into coastal southern California by desert peoples from the east during the Intermediate period based on changes in mortuary practices (i.e., cremations), the presence of desert tanged projectile points, and increased numbers of stone as opposed to shell beads. This question has been discussed by several archaeologists (Koerper 1979; Kowta 1961; Kroeber 1925; Moratto 1984; True 1966; Van Horn 1987, 1990) with most suggesting an arrival date of approximately 1500 cal BP, though some argue for a much earlier migration at around 3500 cal BP, which coincides with the Millingstone/Intermediate period transition (Sutton 2009). Of course, it is possible, and even likely, that multiple migrations of various scale occurred over the course of hundreds, or thousands, of years.

Late Holocene (3000 BP to Spanish Colonization)

HORIZON IV: LATE PREHISTORIC

In the Late Prehistoric horizon, there was an increase in the use of plant food resources in addition to an increase in terrestrial and marine mammal hunting. There was a concomitant increase in the diversity and complexity of material culture during the Late Prehistoric horizon, demonstrated by more classes of artifacts. The recovery of a greater number of small, finely chipped projectile points suggests increased use of the bow and arrow rather than the atlatl (spear thrower) and dart for hunting. Steatite cooking vessels and containers are also present in sites from this time, and there is an increased presence of composite bone gorges and circular shell fishhooks; perforated stones; arrow shaft straighteners made

of steatite; a variety of bone tools; and personal ornaments such as beads made from shell, bone, and stone. Olivella shell bead styles include a variety of wall and callus beads in addition to the previous spire-lopped, and cup beads. There was also an increased use of asphaltum (also known as bitumen) for waterproofing basketry and caulking canoes and as an adhesive. (Late Prehistoric burial practices are discussed in the Ethnographic Overview section below.)

Technological markers of this horizon as described by Wallace (1955) include the increased use of the bow and arrow, stemless points with concave or convex bases, steatite containers, widespread and use of asphaltum as adhesive, increased abundance and types of bone tools as well as shell, bone, and stone ornaments. Wallace also describes notable distinctions between northern and southern groups during this period including less pottery north of Orange County, where steatite vessels were more prevalent, and the presence of portable mortars and pestles and basket-hopper slabs in the north with bedrock mortars and milling stones being more prevalent in the San Diego area.

By A.D. 1000, fired-clay smoking pipes and ceramic vessels were being used at some sites (Drover 1971, 1975; Meighan 1954; Warren and True 1961). The scarcity of pottery in coastal and near-coastal sites implies that ceramic technology was not well developed in that area, or that occupants were trading with neighboring groups to the south and east for ceramics. The lack of widespread pottery manufacture is usually attributed to the high quality of tightly woven and watertight basketry that was caulked with bitumen (asphaltum) and functioned in the same capacity as ceramic vessels.

During this period, there was an increase in population size accompanied by the advent of larger, more permanent villages (Wallace 1955:223) particularly at the mouths of large mainland coastal canyons and drainages with year-round water supplies (McLendon and Johnson 1999). Large populations and, in places, high population densities are characteristic, with some coastal and near-coastal settlements containing as many as 1,500 people. Many of the larger settlements were permanent villages with year-round residents. The populations of these villages may have also increased seasonally.

In Warren's (1968) cultural ecological scheme, the period between A.D. 500 and European contact, which occurred as early as 1542, is divided into three regional patterns: Chumash/Canaliño (Santa Barbara and Ventura Counties), Takic/Numic (Los Angeles, Orange, and western Riverside Counties), and Yuman (San Diego County). The seemingly abrupt introduction of cremation, pottery, and small triangular arrow points in parts of modern-day Los Angeles, Orange, and western Riverside Counties at the beginning of the Late Prehistoric period is thought to be the result of a Takic migration to the coast from inland desert regions. Modern Gabrielino, Juaneño, and Luiseño people in this region are considered the descendants of the Uto-Aztecan, Takic-speaking populations that settled along the California coast in this period.

Gabrielino Ethnography

The Development Area was historically occupied by the Gabrielino, whose lands encompassed portions of current day Los Angeles, Orange, San Bernadino, and Riverside Counties (Bean and Smith 1978:538; Kroeber 1976:Plate 57). Surrounding Native groups included the Chumash and Tatataviam/Alliklik to the north, the Serrano to the east, and the Luiseño/Juaneño to the south (Figure 8). The interaction between the Gabrielino and many of their neighbors in the form of intermarriage and trade was regularly documented in ethnographic accounts. The name "Gabrielino" (also spelled Gabrieleno and Gabrieleño) denotes those people who were associated with Mission San Gabriel, whereas those who were associated with the nearby Mission San Fernando were referred to as Fernandeño. In the Mission and Rancho periods, Mission San Gabriel included Natives of the greater Los Angeles area, as well as members of surrounding groups such as Kitanemuk, Serrano, and Cahuilla.



Figure 8. Native American tribal territories.

There is little evidence that the people we call Gabrielino had a broad term for their group (Dakin 1978:222). Instead, it appears that people identified themselves as inhabitants of a specific community with locational suffixes. For example, a resident of Yaanga was called a Yabit, which Johnston likened to the way that a resident of New York is called a New Yorker (Johnston 1962:10). Native words suggested as labels for the broader group of Native Americans in the Los Angeles region include Tongva (or Tong-v) (Merriam 1955:7–86) and Kizh (Kij or Kichereno) (Heizer 1968:105), and many present-day descendants have taken on their preferred group name. The term Gabrielino is used in the remainder of this report to designate Native people of the Los Angeles Basin and their descendants.

The Gabrielino subsistence economy was centered on gathering and hunting. The surrounding environment was rich and varied, and the people used resources in mountains, foothills, valleys, deserts, riparian, estuarine, and open and rocky coastal eco-niches. As was the case for Native people throughout California, acorns were the staple food and had been an established part of the diet by the time of the Early Intermediate period. Inhabitants supplemented acorns with the roots, leaves, seeds, and fruits of a variety of flora (e.g., islay, cactus, yucca, sages, and agave). Freshwater and saltwater fish, shellfish, birds, reptiles, and insects, as well as large and small mammals, were also consumed (Bean and Smith 1978:546; Kroeber 1925:631–632; McCawley 1996:119–123, 128–131).

The Gabrielino used a variety of tools and implements to gather and collect food resources, including the bow and arrow, traps, nets, blinds, throwing sticks and slings, spears, harpoons, and hooks. Groups residing near the ocean used oceangoing plank canoes and tule balsa canoes for fishing, travel, and trade between the mainland and the Channel Islands (McCawley 1996:7). Gabrielino people processed food with a variety of tools, including hammer stones and anvils, mortars and pestles, manos and metates, strainers, leaching baskets and bowls, knives, bone saws, and wooden drying racks. Food was consumed from a variety of vessels including soapstone bowls and Catalina Island steatite was used to carve ollas and cooking vessels (Blackburn 1963; Kroeber 1925:629; McCawley 1996:129–138).

At the time of Spanish colonization, the basis of Gabrielino religious life was the Chinigchinich, centered on the last of a series of heroic mythological figures. Chinigchinich gave instruction on laws and institutions and taught the people how to dance as a form of religious practice. He later withdrew into heaven, where he rewarded the faithful and punished those who disobeyed his laws (Kroeber 1925:637–638). The origins of the Chinigchinich are somewhat unclear as it seems to have been relatively new when the Spanish arrived. It was spreading south into the southern Takic groups even as Christian missions were being built and may represent a mixture of native and Christian belief and practices (McCawley 1996:143–144).

Deceased Gabrielino were either buried or cremated, with inhumation more common on the Channel Islands and the neighboring mainland coast, and cremation predominating on the remainder of the coast and in the interior (Harrington 1942; McCawley 1996:157). Remains were buried in distinct burial areas, either directly associated with villages or without apparent village association (Altschul et al. 2007). Cremation ashes have been found in archaeological contexts buried within stone bowls and in shell dishes (Ashby and Winterbourne 1966:27), as well as scattered among broken ground stone implements (Cleland et al. 2007). Archaeological data such as these correspond with ethnographic descriptions of an elaborate mourning ceremony that included a variety of offerings, including seeds, stone grinding tools, otter skins, baskets, wooden tools, shell beads, bone and shell ornaments, and projectile points and knives. Offerings varied with the sex and status of the deceased (Dakin 1978:234–365; Johnston 1962:52–54; McCawley 1996:155–165).

For more than 2,500 years, the Gabrielino and their predecessors practiced the kotuumot kehaay, or mourning ceremony, an important community ritual by which the living assisted the soul of the deceased on its journey to the land of the dead (Hull 2011, 2012; Hull et al. 2013). It was not only an act of loving

remembrance; the Gabrielino believed that the spirits of the deceased were dangerous and must be treated properly lest they molest the living (Boscana 1978). Observed every 1 to 4 years to commemorate those who had died since the previous iteration, the 8-day mourning ceremony was either conducted in late summer or in the same month as the person to be honored had died. The ceremony included four primary rites: ritual clothes washing, clothes burning, image burning, and a distribution of the property of the dead. It took place within a 5-yard-diameter circular brush enclosure called a yovaar, which was decorated with poles at cardinal directions topped with figures, or around a 40- to 50-foot-high central kotuumut pole that was painted in various colors representing body parts and erected in a pit in the ground surrounded by offerings of food, clothing, baskets, beads, and money. It included a hosted feast, paid dancers, and the ritual destruction and burial of valuable goods (McCawley 1996:161–165; Merriam 1955).

Hugo Reid, a Scottish immigrant married to a Gabrielino woman and owner of San Gabriel Mission in the 1840s, described the post-burial treatment of grave goods by the Gabrielino in his 1852 letters:

> When a person died, all the kin collected to lament and mourn his or her loss. After lamenting a while a mourning dirge was sung. If the deceased were the head of the family, or a favorite son, the hut in which he died was burned up, as likewise all of his personal effects, reserving only some article or another, or a lock of hair. This reservation was not as a memento of the deceased, but to make a feast with on some future occasion, generally after the first harvest of seeds and berries. (Dakin 1978:235)

Discussing the culmination of the ceremony itself, Reid continued:

> On the eighth day the…old women were employed to make more food than usual, and when the sun was in its zenith, it was distributed, not only among the actors, but to the spectators likewise. After eating, a deep hole was dug, and a fire kindled in it, when the articles reserved at the death of relatives were committed to the flames; at the same time, baskets, money, and seeds were thrown to the spectators, as in the marriage ceremony. During the burning process, one of the seers, reciting mystical words, kept stirring up the fire to ensure the total destruction of the things. The hole was then filled up with earth and well trodden down. The feast was over. (Dakin 1978:242–243)

This mourning ceremony has deep roots in southern California, predating the Spanish period (1769–1834) by at least 2,000 years (Hull et al. 2013). It was also reportedly practiced in mid-nineteenth century Gabrielino communities in San Fernando, Piru, and Saticoy (Blackburn 1976:232), in neighboring Luiseño- and Cahuilla-speaking regions, including the greater Los Angeles area (Dietler et al. 2018; Morris et al. 2016).

Continuity After Colonization

The traditional lifeways of Native California peoples were dramatically altered by the Spanish mission system and later Mexican and American settlement of the area. The incursion of these new groups also introduced diseases that devastated many indigenous populations. The dissolution of their culture alienated them from their traditional subsistence patterns, social customs, and marriage networks. European diseases, against which they had no immunity, reached epidemic proportions, and Gabrielino populations were rapidly decimated (Johnson 1987). The increase in agriculture and the spread of grazing livestock into their collecting and hunting areas made maintaining traditional lifeways increasingly difficult. Although many Gabrielino were eventually subsumed by the mission system, some refused to give up their traditional existence and escaped into the interior regions of the state, where they survived as refugees living with other tribes.

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Many researchers have brought attention to the role of Native American labor in developing and sustaining the Spanish and Mexican settlements providing crucial services and highly skilled roles across multiple types of industry (Akins and Bauer Jr. 2021; Anderson 2005:81–82; Hackel 1998, 2005:272–320; Phillips 2010; Silliman 2001).

> The involvement of Native American groups in any of the standard colonial institutions in the Americas—missions, ranchos, trade outposts, presidios, forts, and secular towns—revolved around labor, even in contexts of frequent interethnic marriage. Sometimes colonial groups forced labor on native societies; other times, indigenous peoples found colonial labor opportunistic and capitalized on it. In either case, labor constituted one of the primary and most influential interpersonal and intercultural relations in pluralistic colonial communities. (Silliman 2001:379–384)

Gabrielino acquired equestrian skills used in herding, corralling, and branding cattle, and they routinely conducted the work of killing and skinning livestock. They demonstrated an aptitude for the engineering needed to create irrigation systems—finding grades, laying out ditches, and managing watering regimes. Irrigation was crucial for supplying domestic supplies and agriculture, especially wine making, which also relied on Gabrielino to plant the grapevines. Native American women and children provided crucial household chores within the ranchos across the Los Angeles Basin: "Most of those (Native Americans) who left the missions remained close by, often in their traditional tribal homeland, and worked on ranchos" (Akins and Bauer Jr. 2021:112).

During the American period, Native Americans found work in citrus groves and other large-scale agricultural operations. During the twentieth century, Native Americans affiliated with tribes from outside the region increasingly came to Los Angeles, some out of necessity or in pursuit of new opportunities, and others because of the federal government's termination and relocation policies (Akins and Bauer Jr. 2021:266). Native American workers made important contributions to several of the industries important during the early and middle parts of the twentieth century, such as aviation and film.

Whereas the contribution of Native American labor is clearly critical to an account of local history, Phillips offers an important consideration in terms of the motivation for considering this perspective.

> By examining how Indians adjusted to the new work regime and by describing how many became efficient workers, the focus remains on Indians themselves. Recognizing adaptation and efficiency, however, is far different from approving the system in which they were achieved…The missions radically altered Indian culture, but they did not destroy Indian people. Even secularization—the systematic breakup of the mission system in the 1830s—was not designed to destroy Indians. In fact, Indians played an important role in this crucial event in California history, a role downplayed by some historians. (Phillips 2010:17–19).

It is estimated that several thousand Gabrielino descendants currently live in the Los Angeles area, though no reservations or rancherias were ever set aside, and no tribal organizations are federally recognized. Gabrielino descendants are represented by the following tribal organizations who actively strive to maintain their cultural legacy: Gabrielino-Tongva Indians of California Tribal Council, the Gabrielino-Tongva Indian Tribe, the Gabrielino/Tongva Nation, the Gabrielino/Tongva San Gabriel Band of Mission Indians, and the Gabrieleño Band of Mission Indians – Kizh Nation.

Locating Former Native American Settlements, Placenames, and Sites

In general, it has proven difficult to establish the precise location of Native American settlements occupied immediately preceding and following Spanish arrival in California approximately 250 years ago (McCawley 1996:31–32). Many of the settlements and so-called villages had long since been abandoned by the time ethnographers, anthropologists, and historians attempted to document any of their locations, at which point Native American lifeways had been irrevocably changed. McCawley quotes Kroeber (1925:616) in his remarks on the subject, writing that "the opportunity to prepare a true map of village locations 'passed away 50 years ago'" (McCawley 1996:32). Thus, even with ethnographic, historical, and archaeological evidence, it can be difficult to conclusively establish whether any given assemblage represents the remains of the former village site.

Several factors have confounded efforts to reidentify former Native American settlements. First, many settlements were recorded with alternative names and spellings. In some cases, Spanish-era rancho grants may have bounded Native American villages, and in others the Spanish ranchos adopted Native American placenames, such as Kaweenga, Tujunga, Topanga, and Cucamonga. Second, there have been conflicting reports on the meaning and locational reference of the placenames. In addition to differences in the interpretation of a given word, some of the placenames refer to a site using relatively vague terms that could fit several possible locations, or the word may reference a natural feature that no longer exists such as a type of plant that once grew in an area now fully urbanized. Third and perhaps most importantly, Native American placenames recorded in historic records and reported in oral histories did not necessarily represent a continually occupied settlement within a discrete location, which is how the term "village" is commonly understood today. Instead, in at least some cases, the settlements were represented by several smaller camps scattered throughout an approximate geography, shaped by natural features that were subject to change over generations (Ciolek-Torello and Garraty 2016; Johnston 1962:122). Furthermore, the criteria for what constitutes a village site have been especially lacking in consistency and specificity, even within a strictly academic context (see summary by Ciolek-Torello and Garraty [2016:69]). Much of the debate in this regard concerns whether sites were occupied on a permanent or temporary basis, and archaeological data do not always provide unequivocal evidence to make a reliable classification for a given site.

Still, within the range of terms put forth to characterize different types of Native American settlements, there are conventions and core insights shared among scholars. Prehistoric sites in coastal California, for example, are commonly referenced in archaeological sources as residential sites, habitation sites, and seasonal camps, whereas the term *village* is more often used to reference Mission period settlements such as the Chumash sites of Humaliwo, Helo', and Muwu, or Luiseño sites such as Topomai (Ciolek-Torello and Garraty 2016:69). These Spanish and Mexican period sites are also sometimes referred to as rancherias—a term with connotations for a more permanent settlement and often used synonymously with village. The convention was established in 1852 by Hugo Reid who published the first list of Native American placenames in the Los Angeles area, which was by no means comprehensive (Stoll et al. 2016:387–389). The more generic terms of *settlement* and *site* will be used in this report and refer to places where Native American communities were once gathered. Native American sites may also refer to locations where archaeological materials, including human remains, have been identified. Such locations may consist of one or more known archaeological resources or a general area in which an archaeological resource could exist.

NATIVE AMERICAN COMMUNITIES IN LOS ANGELES

The precise location of most Native American villages in the Los Angeles Basin is subject to much speculation, maps depicting villages throughout the greater Los Angeles area show these sites located along rivers or streams. In some cases, Spanish-era rancho grants may have bounded Native American

villages, and in others the Spanish ranchos adopted Native American placenames, such as *Kaweenga, Tujunga, Topanga,* and *Cucamonga.* Alternative names and spellings for communities, and conflicting reports on their meaning or locational reference further complicate efforts at determining the location of actual village sites. Native American placenames referred to at the time of Spanish contact did not necessarily represent a continually occupied settlement within a discrete location, rather in at least some cases, the communities were represented by several smaller camps scattered throughout an approximate geography, shaped by natural features that were subject to change over generations (see Johnston 1962:122). Many of the villages had long since been abandoned by the time ethnographers, anthropologists, and historians attempted to document any of their locations, at which point the former village sites were affected by urban and agricultural development, and Native American lifeways had been irrevocably changed. McCawley quotes Kroeber for his remarks on the difficulty of reliably locating former village sites, writing that "the opportunity to prepare a true map of village locations 'passed away 50 years ago'" (Kroeber 1925:616 as cited in McCawley 1996:32). Thus, even with ethnographic, historical, and archaeological evidence, it can be difficult to conclusively establish whether any given assemblage represents the remains of the former village site.

The following sections provide summaries of the named settlements closest to the Development Area, including Yaanga and Geveronga, which are both reported to have been in the downtown area of Los Angeles (McCawley 1996:57).

Yaanga and Settlements in Downtown Los Angeles

Although the precise location of any given village is subject to much speculation, it is clear the banks of the Los Angeles River were home to many Gabrielino villages throughout the greater Los Angeles area (Figure 9). The closest ethnographically documented village to the Development Area is Yaanga (alternative spellings and names include Yang-na, Yangna, and Yabit) (see Figure 9). Although the actual location is disputed, generally Yaanga is believed to have been located near present-day Union Station, approximately 2.25 km (1.4 miles) north of the Development Area (McCawley 1996:57; Morris et al. 2016). Yaanga is among the major Native American communities encountered by the Portola party when they passed through the Los Angeles Basin in 1769 and was perhaps the largest Gabrielino settlement within the Los Angeles Basin. The location of Yaanga has long been considered synonymous with that of Los Angeles, first as the Spanish pueblo, then the town and city.

Historians and archaeologists have presented multiple possible village locations in the general area surrounding Union Station; however, like the Los Angeles Pueblo itself, it is likely that the village was relocated from time to time due to major shifts of the Los Angeles River during years of intense flooding. Dillon (1994) presented an exhaustive review of the potential locations, most within several blocks of the Los Angeles Plaza, in the location of present-day Olvera Street near Union Station. Johnston (1962:122) concluded that "in all probability *Yangna* lay scattered in a fairly wide zone along the whole arc [from the base of Fort Moore Hill to Union Station], and its bailiwick included as well seed-gathering grounds and oak groves where seasonal camps were set up." A second settlement, Geveronga, was recorded in mission registers and has also been described in ethnographic accounts as immediately adjoining the Pueblo of Los Angeles (McCawley 1996:57). The approximated location for Geveronga is 4.46 km (2.8 miles) northwest of the Development Area (see Figure 9). By contrast to Yaanga, very little is known about Geveronga, except that it was mentioned in ethnographic accounts as having been a settlement immediately adjoining the Pueblo of Los Angeles, and that Mission San Gabriel records identify 31 people as having come from here between 1788 and 1809 (McCawley 1996:57).

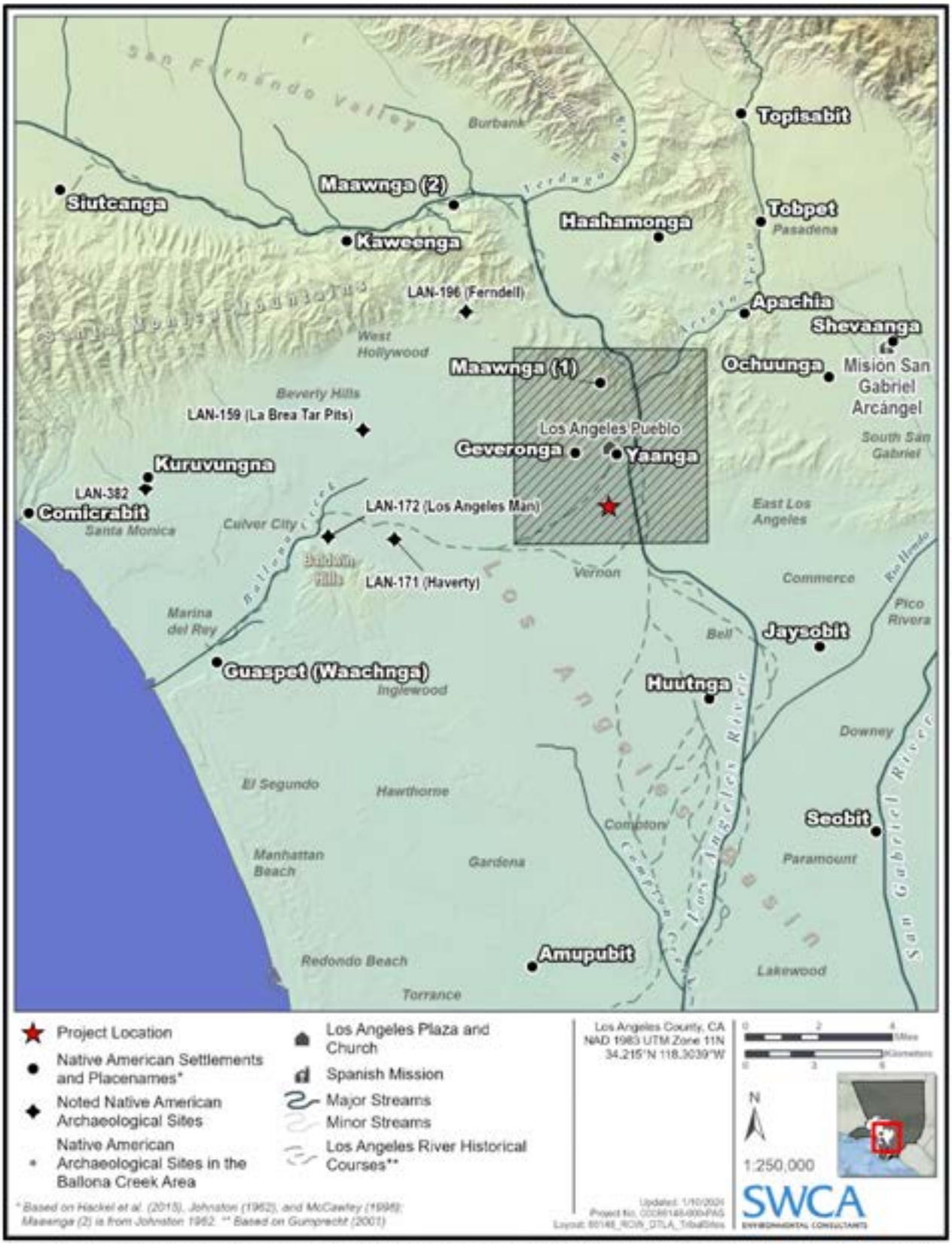

Figure 9. Native American communities and sites in the greater Los Angeles area; locations from Hackel et al. (2015) and Gumprecht (2001).

Yaanga Post 1781

After the settlement of Los Angeles in 1781, Yaanga faced many new challenges because of its proximity to the new city. The last recorded birth at Yaanga is believed to have been in 1813, after which the village was forced to relocate south of the original site (Morris et al. 2016:97). This new village, known as Ranchería de los Poblanos by the Angelenos, is believed to have been located at the intersection of Los Angeles Street and 1st Street, approximately 1.9 km (1.18 miles) north of the Development Area (Morris et al. 2016:96–97). This rancheria existed for approximately 10 years, between 1826 and 1836, after which the indigenous population was forced to relocate to a plot of land near Commercial and Alameda Streets where it persisted for another approximately 10 years from 1836 and 1845 (Morris et al. 2016). Then nearby landowners started registering complaints and the Native American community was once again forced to relocate even further east, across the Los Angeles River to a site called Pueblito, which itself was razed in 1847. This coincided with legislation passed to require the remaining Native American population to live in dispersed settlements or with their employers throughout the city.

There was another rancheria within the boundaries of Los Angeles during this time: Rancheria de los Pipimares. The rancheria may have been in existence from as early as 1820 but ceased to exist after 1846 (Morris et al. 2016). Archival research identified the likely location of Rancheria de los Pipimares to be within the area of San Pedro and 7th Streets, approximately 1 km (0.62 mile) northwest of the Development Area (Morris et al. 2016).

Evidence for Yaanga

Aside from the ethnographic evidence suggesting the location of these villages, little direct, indisputable archaeological evidence for the location of either village has been produced to date. Archaeological materials reportedly were unearthed during the construction of Union Station in 1939 (2.25 km [1.4 miles] north of the Development Area), and "considerably more" in 1970 during the rebuilding of the Bella Union Hotel on the 300 block of North Main Street (2.17 km [1.35 miles] north of the Development Area) (Johnston 1962:121; Robinson 1979:12). The preponderance of available evidence indicates that there were one or more early Historic period Native American communities west of the Los Angeles River near the original plaza site. This assumption is supported through several lines of ethnographic evidence, including the expedition journal of Fr. Juan Crespi and engineer Miguel Costansó, both of whom were associated with the 1769 Portolá expedition. The notes from these sources indicate the village was located between 2.0 and 2.4 km (1.3 and 1.5 miles) west-southwest from the Los Angeles River on high and level ground. The Pueblo of Los Angeles was documented to have been founded directly adjacent to this village. The location of Yaanga was also referenced by long-time Los Angeles resident Narciso Botello and Gabrielino consultant José María Zalvidea, who indicated that Yaanga was originally located adjacent to the original site of the Los Angeles Plaza (Morris et al. 2016:112).

During construction of the Metropolitan Water District headquarters building in the mid-1990s, approximately 2.15 km (1.34 miles) south of the Development Area, an archaeological site (LAN-1575/H) was identified and included a substantial Native American component composed of artifacts and primary interments and cremation reburials. The archaeological investigation by Applied Earthworks found evidence of occupation that both predated and overlapped the Mission and Rancho period, but ultimately the researchers could not reach a definitive conclusion as to whether portions of the site represented the material remains of Yaanga (Goldberg et al. 1999:151–159). In 2019, during construction of Metro's Patsaouras Bus Plaza Station, which was partly within the boundary of LAN-1575/H, new site components were identified that included Native American human remains and artifacts, as well as Historic period deposits (i.e., not affiliated with Native Americans). The new site components are consistent with the types and ages identified in LAN-1575/H. Some of these new discoveries were

identified within the boundary designated for LAN-1575/H, but the majority extend east along U.S. Route 101 and Interstate 10.

While most of the natural landscape features that would have characterized Yaanga and its surroundings are no longer present and the precise location of the settlement remains an open question, the general location still retains its association with Yaanga and is considered an important place by contemporary Gabrielino groups. The proximity of Yaanga to a massive sycamore tree known as El Aliso is also commonly cited and often referred to synonymously with that of Yaanga. The tree is visible in early photographs and plotted on plat maps showing the vineyard and winery established by Louis Vignes. A memorial plaque was recently placed to commemorate Yaanga and its location—on the north side of Commercial Street near the intersection with Vignes Street, approximately 1.97 km (1.22 miles) north of the Development Area. The location was chosen based on proximity to the place where El Aliso had once grown, which was in what is now in the channel excavated for the Hollywood Freeway.

Mission and Rancho Period (1769–1848)

Although Spanish, Russian, and British explorers visited the area for brief periods between 1529 and 1769, the Mission period in California begins with the establishment in 1769 of a settlement at San Diego by the Spanish and the founding of Mission San Diego de Alcalá. Independence from Spain in 1821 marks the beginning of the Mexican era of governance within California, and the signing of the Treaty of Guadalupe Hidalgo in 1848, ending the Mexican-American War, signals the beginning of the American period, when California became a territory of the United States.

Spanish explorers made sailing expeditions along the coast of southern California between the mid-1500s and mid-1700s. In search of the legendary Northwest Passage, Juan Rodríquez Cabrillo stopped in 1542 at present-day San Diego Bay. With his crew, Cabrillo explored the shorelines of present Catalina Island as well as San Pedro and Santa Monica bays. Much of the present California and Oregon coastline was mapped and recorded in the next half-century by Spanish naval officer Sebastián Vizcaíno. Vizcaíno's crew also landed on Santa Catalina Island and at San Pedro and Santa Monica bays, giving each location its long-standing name. The Spanish crown laid claim to California based on the surveys conducted by Cabrillo and Vizcaíno (Bancroft 1886:96–99; Gumprecht 2001:35).

More than 200 years passed before Spain began the colonization and inland exploration of Alta California. The 1769 overland expedition by Captain Gaspar de Portolá marks the beginning of California's Mission period, occurring just after the King of Spain installed the Franciscan Order to direct religious and colonization matters in assigned territories of the Americas. With a band of 64 soldiers, missionaries, Baja (lower) California Native Americans, and Mexican civilians, Portolá established the Presidio of San Diego, a fortified military outpost, as the first Spanish settlement in Alta California. In July 1769, while Portolá was exploring southern California, Franciscan Fr. Junípero Serra founded Mission San Diego de Alcalá at Presidio Hill, the first of the 21 missions that would be established in Alta California by the Spanish and the Franciscan Order between 1769 and 1823.

The Portolá expedition first reached the present-day boundaries of Los Angeles in August 1769, thereby becoming the first Europeans to visit the area. Father Juan Crespí, a member of the expedition, named the campsite by the river Nuestra Señora la Reina de los Angeles de la Porciúncula or "Our Lady the Queen of the Angels of the Porciúncula." Two years later, Fr. Junípero Serra returned to the valley to establish a Catholic mission, the Mission San Gabriel Arcángel, on September 8, 1771 (Engelhardt 1927). In 1781, a group of 11 Mexican families traveled from Mission San Gabriel Arcángel to establish a new pueblo called El Pueblo de la Reyna de Los Angeles ("the Pueblo of the Queen of the Angels"). This settlement consisted of a small group of adobe-brick houses and streets and would eventually be known as the Ciudad de Los Angeles ("City of Angels").

A major emphasis during the Mission period in California was the construction of missions and associated presidios to integrate the Native American population into Christianity and communal enterprise. Incentives were also provided to bring settlers to pueblos or towns, but just three pueblos were established during the Mission period, only two of which were successful and remain as California cities (San José and Los Angeles). Several factors kept growth within Alta California to a minimum, including the threat of foreign invasion, political dissatisfaction, and unrest among the indigenous population. After more than a decade of intermittent rebellion and warfare, New Spain (Mexico and the California territory) won independence from Spain in 1821. In 1822, the Mexican legislative body in California ended isolationist policies designed to protect the Spanish monopoly on trade, and decreed California ports open to foreign merchants. The authority of the California missions gradually declined, culminating in their secularization by the central Mexican government in 1833 and by the Alta California legislature in 1834.

Extensive land grants were established in the interior during the Mission period, in part to increase the population inland from the more settled coastal areas where the Spanish had first concentrated their colonization efforts. The secularization of the missions following Mexico's independence from Spain resulted in the subdivision of former mission lands and establishment of many additional ranchos. The Development Area is within the original boundaries of the Pueblo of Los Angeles which was founded during the era of Mexican governance in 1781.

During the Rancho period (1834–1848), landowners largely focused on the cattle industry and devoted large tracts to grazing. Cattle hides became a primary southern California export, providing a commodity to trade for goods from the east and other areas in the United States and Mexico. The number of non-Native inhabitants increased during this period because of the influx of explorers, trappers, and ranchers associated with the land grants. The rising California population contributed to the introduction and rise of diseases foreign to the Native American population, who had no associated immunities.

American Period (1848–Present)

War in 1846 between Mexico and the United States began at the Battle of Chino, a clash between resident Californios and Americans in the San Bernardino area. This battle was a defeat for the Americans and bolstered the Californios' resolve against American rule, emboldening them to continue the offensive in later battles at Dominguez Field and in San Gabriel (Beattie 1942). However, this early skirmish was not a sign of things to come, and the Americans were ultimately the victors of this 2-year war. The Mexican-American War officially ended with the Treaty of Guadalupe Hidalgo in 1848, which resulted in the annexation of California and much of the present-day southwest, ushering California into its American period.

California officially became a state with the Compromise of 1850, which also designated Utah and New Mexico (with present-day Arizona) as U.S. territories. Horticulture and livestock, based primarily on cattle as the currency and staple of the rancho system, continued to dominate the southern California economy through 1850s. The Gold Rush began in 1848; with the influx of people seeking gold, cattle were no longer desired mainly for their hides, but as a source of meat and other goods. During the 1850s cattle boom, rancho vaqueros drove large herds from southern to northern California to feed that region's burgeoning mining and commercial boom. Cattle were at first driven along major trails or roads such as the Gila Trail or Southern Overland Trail, but then were transported by trains when available. The cattle boom ended for southern California as neighboring states and territories drove herds to northern California at reduced prices. Operation of the huge ranchos became increasingly difficult, and droughts severely reduced their productivity (Cleland 1941).

Los Angeles: From Pueblo to City

On September 4, 1781, 44 settlers from Sonora, Mexico, accompanied by the governor, soldiers, mission priests, and several Native Americans, arrived at a site along the Rio de Porciúncula (later renamed the Los Angeles River), which was officially declared El Pueblo de Nuestra Señora de los Angeles de Porciúncula, or the Town of Our Lady of the Angels of Porciúncula (Robinson 1979:238; Ríos-Bustamante 1992; Weber 1980). The site chosen for the new pueblo was elevated on a broad terrace 0.8 km (0.5 mile) west of the river (Gumprecht 2001). By 1786, the area's abundant resources allowed the pueblo to attain self-sufficiency, and funding by the Spanish government ceased.

Efforts to develop ecclesiastical property in the pueblo began as early as 1784 with the construction of a small chapel northwest of the plaza. Though little is known about this building, it was located at the pueblo's original central square near the corner of present-day Cesar Chavez Avenue and North Broadway (Newcomb 1980:67–68; Owen 1960:7). Following continued flooding, however, the pueblo was relocated to its current location on higher ground, and the new town plaza (Los Angeles Plaza) soon emerged. The reconstructed church was known as "La Iglesia de Nuestra Señora la Reina de Los Angeles" (Plaza Church).

Alta California became a state in 1821, and the town slowly grew as the removal of economic restrictions attracted settlers to Los Angeles. The population continued to expand throughout the Mexican period and on April 4, 1850, only 2 years after the Mexican-American War and 5 months prior to California earning statehood, the City was formally incorporated. Settlement of the Los Angeles region continued steadily throughout the Early American period. At that time, the city was bordered on the north by the Los Felis and the San Rafael Land Grants and on the south by the San Antonio Luge Land Grant. Many of the ranchos in the area now known as Los Angeles County remained intact after the United States took possession of California and ranching retained its importance through the mid-nineteenth century. In the 1860s a severe drought resulted in many of the ranchos being sold or otherwise acquired by Americans who subdivided the land into agricultural parcels or towns (Dumke 1944). Los Angeles maintained its role as a regional business center in the early American period and the transition of many former rancho lands to agriculture, as well as the development of citriculture in the late 1800s, further strengthened this status (Caughey and Caughey 1977).

The growth of Los Angeles as a regional commerce center, combined with the expansion of port facilities and railroads throughout the region, contributed to the impact of the real estate boom of the 1880s on Los Angeles which resulted in a doubling of the city's population (Caughey and Caughey 1977; Dumke 1944). By the late 1800s, government leaders recognized the need for water to sustain the growing population in the Los Angeles area. Irish immigrant William Mulholland personified the city's efforts for a stable water supply (Dumke 1944; Nadeau 1997). By 1913, the City of Los Angeles had purchased large tracts of land in the Owens Valley, and Mulholland planned and completed the construction of the 240-mile-long aqueduct that brought the valley's water to the city (Nadeau 1997).

The growth in population also resulted in an increased demand for public transportation. As the city neared the end of the nineteenth century, numerous privately owned passenger rail lines were in place. Though early lines were horse and mule drawn, they were soon replaced by cable cars in the early 1880s, and by electric cars in the late 1880s and early 1890s. Many of these early lines were subsequently consolidated into Henry E. Huntington's Los Angeles Railway Company (LARy) in 1898, which reconstructed and expanded the system into the twentieth century and became the main streetcar system for central Los Angeles, identified by their iconic "yellow cars." During this period, Huntington also developed the much larger Pacific Electric system (also known as the "red cars") to serve the greater Los Angeles area. Just as the horse-and-buggy street cars were replaced by electric cars along the same routes,

gas-powered buses (coaches) eventually served former yellow car routes. Both the red cars and LARy served Los Angeles until they were eventually discontinued in the early 1960s.

Los Angeles continued to grow outward from the city core in the twentieth century, in part due to the discovery of oil and its strategic location as a wartime port. The military presence led to the growth in the aviation and eventually aerospace industries in the city and region. Hollywood became the entertainment capital of the world through the presence of the film and television industries and continues to tenuously maintain that position. With nearly 4 million residents, Los Angeles is the second largest city in the United States (by population), and it remains a city with worldwide influence that continues to struggle with its population's growth and needs.

DOWNTOWN LOS ANGELES

The Development Area is in the northern portion of downtown Los Angeles, and south of the historical core of the Los Angeles Pueblo. The original layout of Los Angeles Pueblo was established based on the Spanish grid system, codified as the Laws of the Indies, which required the corners of the corners of the central plaza to be oriented to the cardinal directions. As the pueblo grew, the Spanish system was increasingly adapted to fit the local topography, which was characterized by three landforms—river to the east, hills to the northwest, and the terrace between the two. These historical and topographic factors are reflected in the orientation of the early eighteenth-century street grid and the size and shape of lots depicted in Ord's (1849) map (Figure 10).

Early development of pueblo was dictated by the landform, which historically featured a bluff and steep slopes extending to the south and east, forming the periphery for the pueblo's core elements consisting of the Los Angeles Plaza, Plaza Church, and other civic and commercial buildings (Dietler and Treffers 2012). On top of the alluvial terrace and extending into the base of the foothills were the residential areas that expanded north and south from the historical core (see Figure 10). The land to the north of the Plaza and Plaza Church was one of the first areas to be settled and was known throughout much of the nineteenth century as "Sonora Town" (Deverell 2004). This adobe neighborhood was settled primarily by Mexicans from Sonora, although there were also many immigrants from Europe and the United States, many of whom became Mexican citizens at the time (Estrada 2008:10).

In the early period of the Los Angeles Pueblo and most of the eighteenth century, agricultural fields were established in the floodplain west of the Los Angeles River and beneath the terrace. Here meandering roads and fences made from hedges and wooden poles delineate the fields that Ord recorded as either plowed fields, corn, or vineyards. Farms varied in size and shape, ranging up to approximately 50 acres, and were irrigated through zanjas and other unnamed ditches, many of which are captured on Ord's 1849 map. The Development Area is situated in one of the former agricultural fields depicted in Ord's map (see Figure 10).

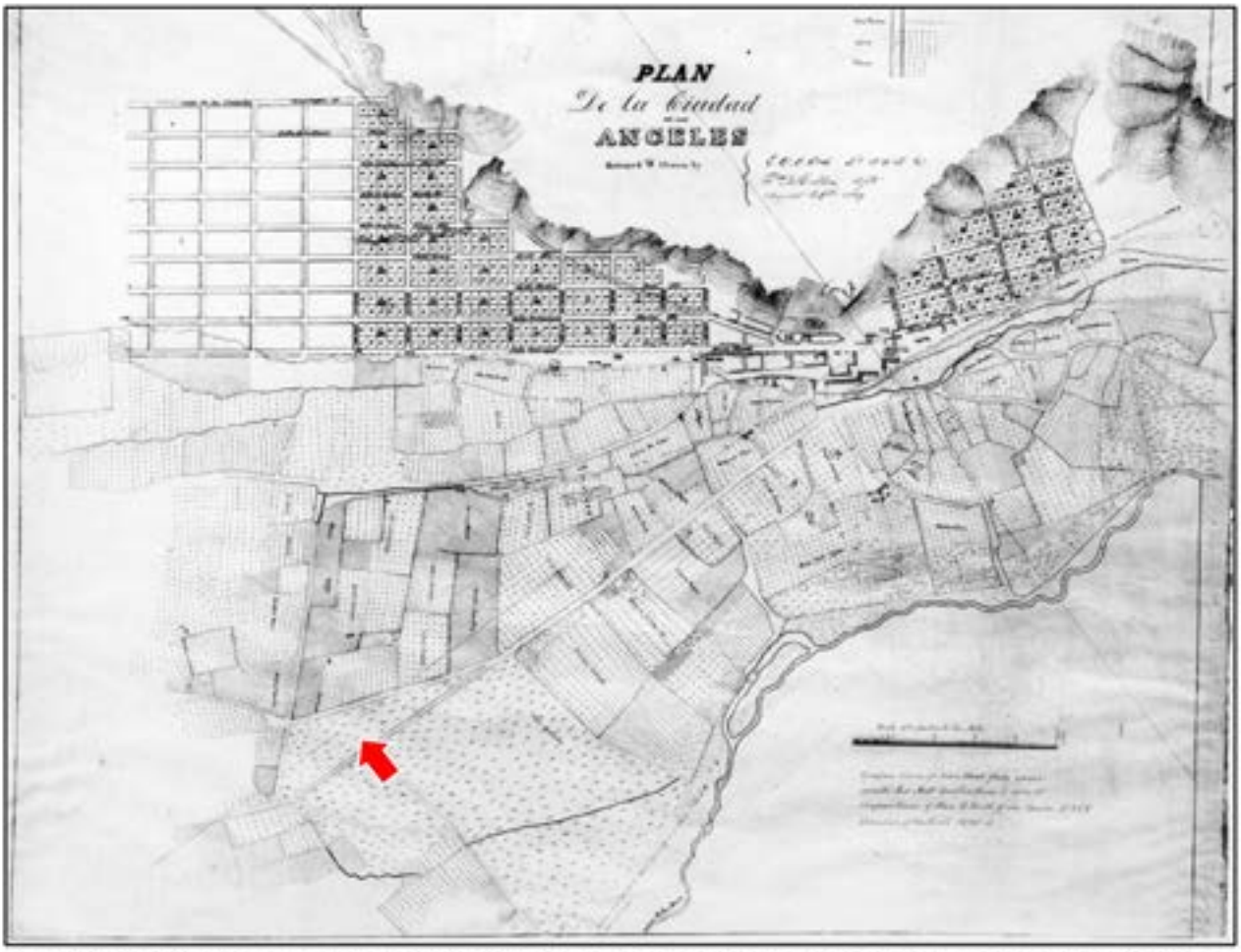

Figure 10. Photographic reprint of E.O.C. Ord's original 1849 map of the City, annotated with street names, lot owners, and block numbers (Ord 1849). The top of the map is oriented to the northwest, reflecting the original orientation of the city's layout based on the Spanish system. The red arrow indicates the approximate location of the Development Area.

The American era, beginning with the Mexican-American War, ushered in a series of massive transformations in the area. During the Mexican-American War the neighborhood surrounding the Los Angeles Plaza was the site of major battles (Estrada 2008:10). The Americans memorialized these battles when they renamed the abutting hill after Fort Moore, a U.S. military fortification constructed in 1847 during the Mexican-American War (Cortelyou 1949:17–21). During this period, the City's population grew substantially, due in part to the settlers from the east coming after the Mexican-American War and to the Gold Rush (Estrada 2008). The newcomers to the city led to significant expansion primarily to the north and southwest. Fort Moore was abandoned following the signing of the Treaty of Guadalupe Hidalgo in 1848 and eventually decommissioned in 1853. That same year, Los Angeles' non-Catholic settlers established an unofficial cemetery. The cemetery was known by several names, including City Cemetery, Fort Hill Cemetery, and "the cemetery on the hill," and functioned in an informal manner over the subsequent decade (Gibson and Dietler 2012). However, by the early 1860s, the public became concerned with its overcrowding, prompting the City to take control of the land and eventually ban future burials in 1879 (Carpenter 1973).

Los Angeles underwent another population boom in the 1880s coinciding with the arrival of the transcontinental railroad. The increase in population resulted in an increased demand for housing and the

development of new residential neighborhoods away from the city center. In response to the subsequent land boom, the City parceled out residential lots around the cemetery as early as 1884, with no initial effort to remove the burials. Fort Moore Hill soon became one of the premier residential neighborhoods due to its views and location above the city center (Cortelyou 1949:17–21; Gibson and Dietler 2012). The 1880s population boom resulted quickly in the subdivision of the farms on the lower terrace into lots that were sold for primarily residential and commercial purposes.

THE ZANJAS OF LOS ANGELES: A BRIEF HISTORY

From Los Angeles' beginnings as a small pueblo, water was understood as a crucial force to control and use if the settlement was to survive. Since the 1770s, a canal known as the Zanja Madre had been diverting water from the Los Angeles River to the newly established pueblo. The pueblo's residents used this water for ranching, agriculture, drinking, bathing, and washing clothes (Newmark and Newmark 1970). Gravity was sufficient to force the water down the zanja onto the pueblo lands, but the flow of water was not smooth and continuous because the flow of water was frequently impeded by debris and the ditch was often damaged during heavy rainfall. At this time, the maintenance of the zanja was the responsibility of all residents of the pueblo. The ayuntamiento, or town hall, came to the decision that one person had to be in charge of ensuring the functionality of the zanja and to regularly inspect it. To this aim, the ayuntamiento appointed a rotating position known as the zanjero, whose job was to properly inspect, maintain, and coordinate repairs of the zanja. Every week a new City official would be in charge of the zanjas, and every head of household was required to contribute some share, be it money or labor, to the maintenance of the zanjas, though many simply supplied Gabrielino labor to fulfill their contribution (Gumprecht 2001:60; Hoffman and Stern 2007:3).

Los Angeles residents were still using the publicly owned zanjas after California's entrance into the union, and by this time, the roles and duties of the zanjero had ballooned to include issuing permits, overseeing deputy zanjeros, and collecting fees. Because the position had become so important, Mayor Stephen Foster established a permanent zanjero position, eliminating the rotating schedule that was used during the Spanish and Mexican periods, and providing stability to the office. The position quickly became one of the most important appointed positions in Los Angeles (Gumprecht 2001:60). At the time property owners were still "required to contribute a certain amount of time" to devote to maintaining the zanja, underlying the importance of the zanja system to the young city (Gumprecht 2001:60). Though the duties and importance of the zanjeros changed over time, the importance of Native American labor in the pueblo's functioning remained constant from the Mission period and into the American period. Not only did Native American laborers make up most farm labor, but also they were often tasked with fixing the zanjas (Hoffman and Stern 2007:3–4).

As the budding city grew, new zanjas needed to be built to irrigate increasingly more farmlands. In 1857 the first offshoot was completed—Zanja No. 1, which ran between Alameda Street and the Los Angeles River. By 1870 there were a total of eight zanjas covering approximately 80 km (50 miles) that connected to the Zanja Madre. At this early time, the zanjas were little more than earthen ditches; none was covered or lined, allowing residents to easily steal water. From these humble beginnings came an extensive water conveyance system that supplied water for personal use and irrigation to the growing city. Using archival research and historic sources, Gumprecht (2001) created a map of the entire zanja system in 1880 showing the original Zanja Madre, the eight initial offshoots, and the additional zanjas that had been added (Figure 11).

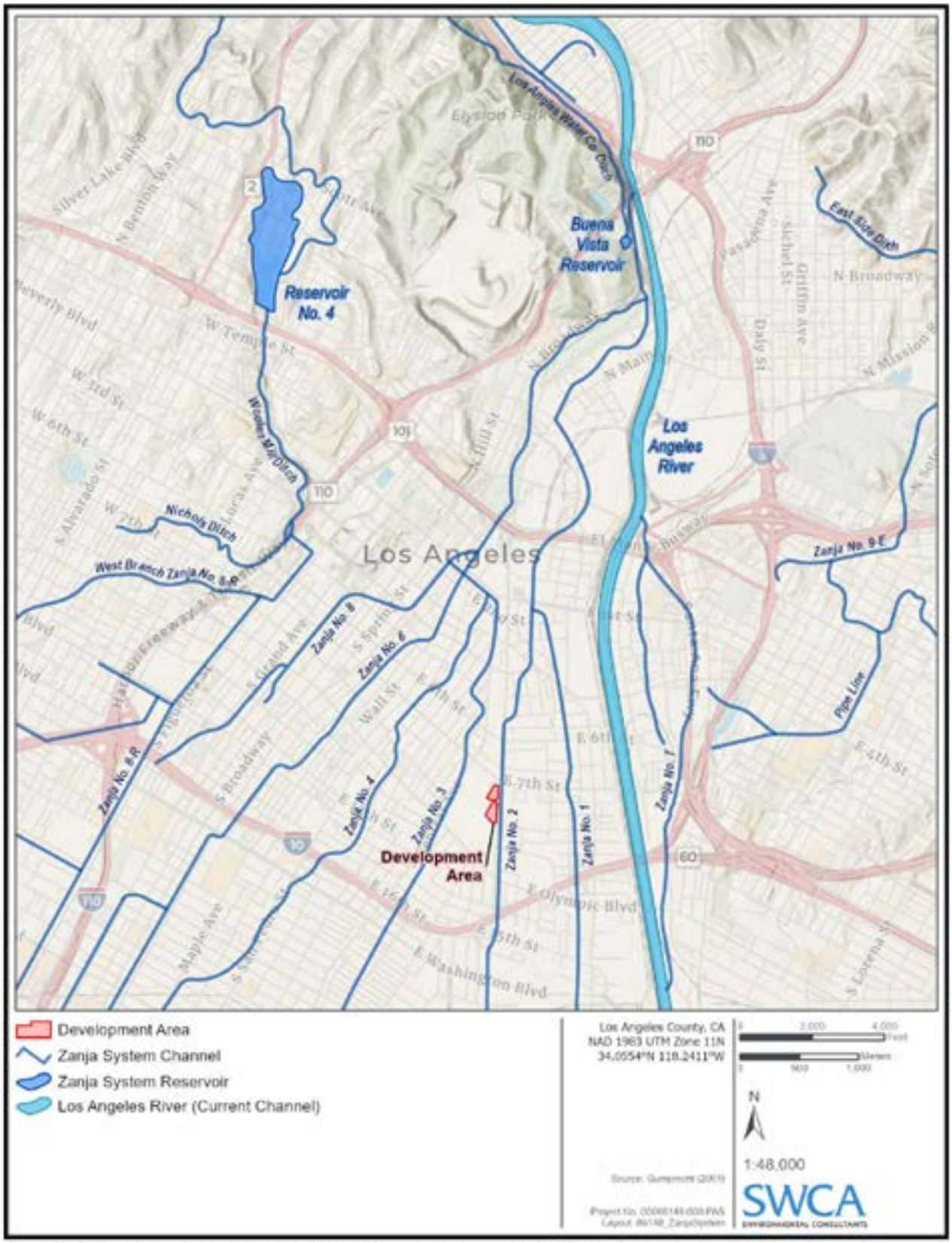

Figure 11. Los Angeles zanja system, ca. 1880s (Gumprecht 2001).

Though the zanjas were a crucial water supply in early Los Angeles, they also served as waste disposal and a sewer system for early residents (Sklar 2008:19). Dead animals were frequently found in the zanjas and, in some cases, even deceased people. Not surprisingly, dysentery during this period was common. Despite the public knowledge that the zanja water was unsanitary, people continued bathing, washing, and dumping in the zanjas. Over time, the city attempted to stop the constant bathing and washing in the main zanja; however, even after a law was passed explicitly prohibiting "bathing, washing clothes, dumping refuse, and the slaughter of cattle in the zanjas," all practices remained commonplace (Gumprecht 2001:62).

As time went on, many of the zanjas began to be upgraded from their original open ditches to more permanent structures. This first happened in 1877, when the City created its first comprehensive plan to improve and extend the zanjas using a bond measure of $75,000. Sometime during this period, many of the original zanjas were upgraded to cement or wrought iron pipe. Useful in determining the status of each zanja during this period is Hall's 1888 study on irrigation in California. In this work, Hall describes each zanja segment, providing information on construction type and length. Hall used the terms "low service" and "high service" to reference locations where the zanja diverted water from the Los Angeles River, and he separated the city's irrigation works into east and west districts according to their location with respect to the river.

The expanding system became a network of channels, structures, and reservoirs constructed using varied materials and techniques, much of which were improvised and expedient, giving the system as a whole a patchwork appearance. By 1888 nearly 50 percent of the zanjas in Los Angeles were made of some type of conduit constructed of wooden flumes, cement- or masonry-lined canals, cement and iron pipe, or brick culverts (Hall 1888:545). In one section of Hall's report, he estimates the cost of the zanja system to date, and his explanation for the difficulty of such a task provides important information on the materials and integrity of the various segments:

> The difficulty of arriving at the original cost of works, constructed by 'piecemeal,' in a period of twelve years, under no definite plan, and supervised by successive city officials (and this refers only to the works regarded as permanent and not to the long-built earthen ditches) changes almost every year, without any system of keeping accounts of construction segregated from ordinary maintenance expense, can scarcely be appreciated until one attempts the task. Much of the work has been done several times over; ditches have been flumed, and after a time the flumes replaced with pipe; pipe-lines have been, locally but radially, altered and enlarged; iron pipe substituted for cement pipe, and vice versa; and no small part of the work has been abandoned and fallen into disuse. (Hall 1888:547–548)

Many projects to improve the system, such as constructing a tunnel to replace part of the Zanja Madre, were started but never completed (Hall 1888:565). Though the zanjas were improved greatly between 1870 and 1888, when Hall conducted his study, the water system in Los Angeles was crude and not in keeping with the rapid development occurring. The last 20 years of the nineteenth century brought many changes to Los Angeles; the real estate boom of the 1880s created a fivefold population increase in the city by 1890. This population increase had the added result of decreasing the City's irrigation needs, because many of the original vineyards and orchards had already been abandoned but increasing the City's domestic water needs (Hoffman and Stern 2007:19). Two years after Hall's 1888 survey, the zanjas began to be abandoned, starting first with Zanja No. 5. Slowly, property owners began requesting that zanjas be abandoned, as the unused structures now served as impediments to development (Gumprecht 2001:89). By 1904, all the zanjas had been abandoned; most were filled in, but some continued to be used as sewers (Hoffman and Stern 2007:19).

As shown on Figure 11, the present-day location of the Development Area was between two zanjas: Zanja No. 2 and Zanja No. 3. The segment closest to the Development Area was Zanja No. 2, which extended from the end of Zanja 6-1 at 1st Street between Alameda Street and Virginia Street and ran approximately 13,200 feet down Alameda Street, directly to the east of the Development Area, until reaching 22nd Street (Hall 1888:543–545; Layne 1957:23). Hall describes Zanja No. 2 as a flume box which measured 3 feet wide × 1 foot deep (Hall 1888:545). Zanja No. 3 extended south from the end of the Zanja Madre at Central Avenue between 1st and 2nd Street until reaching 27th Street. Zanja No. 3 is mapped approximately 127 m (415 feet) to the west of the Development Area. According to Hall (1888:546), Zanja No. 3 ran for 12,750 feet, including 4,800 feet of open ditch from 1st to 7th Streets. The remainder of the zanja included 3,200 feet of cement pipe from 7th Street to 12th Street, and an open ditch again running from 12th Street for another 4,700 feet to the City boundary. Zanja No. 3 provided water to several vineyards and orchards, including the lands of prominent Angelenos such as Isidro Reyes, Antonio Coronel, William Wolfskill, and George Dalton (Layne 1952:22).

RESULTS

CHRIS Records Search

Previously Conducted Studies

SWCA received the results of the CHRIS records search from the SCCIC on February 8, 2023. Results of the records search indicate that 29 cultural resources studies have been conducted in and within 0.8 km (0.5 mile) of the Development Area, one of which intersects the Development Area (Table 1). The overlapping report is a 2007 architectural history report on the Los Angeles Wholesale Terminal, where the Project is located. Appendix A includes a confidential records search results map depicting previous cultural resources studies within 0.8 km (0.5 mile) of the Development Area.

Table 1. Previous Cultural Resources Studies

Report Number	Title	Author (Affiliation)	Year	Relationship to Development Area
LA-00151	Cultural Resources Reconnaissance of the Los Angeles County Reception Center Site and Six Small Off Site Areas, Los Angeles County, California	Bissell, Ronald M. and Rodney E. Raschke (RMW Paleo Associates, Inc.)	1988	Outside
LA-02788	Archaeological Literature and Records Review, and Impact Analysis for the Eastside Corridor Alternatives Los Angeles, California	Brown, Joan C. (RMW Paleo Associates, Inc.)	1992	Outside
LA-02950	Consolidated Report: Cultural Resource Studies for the Proposed Pacific Pipeline Project	Anonymous (Peak & Associates, Inc.)	1992	Outside
LA-03813	An Archival Study of a Segment of the Proposed Pacific Pipeline, City of Los Angeles, California	Anonymous (Peak & Associates, Inc.)	1992	Outside
LA-04625	Historic Property Survey Report for the Proposed Alameda Corridor From the Ports of Long Beach and Los Angeles to Downtown Los Angeles in Los Angeles County, California	Starzak, Richard (Myra L. Frank & Associates)	1994	Outside
LA-04743	Cultural Resource Assessment for Pacific Bell Mobil Services Facility La 648-07, in the County of Los Angeles, California	Gray, Deborah (LSA Associates, Inc.)	1999	Outside

Report Number	Title	Author (Affiliation)	Year	Relationship to Development Area
LA-04834	Cultural Resources Inventory Report for Williams Communications, Inc. Proposed Fiber Optic Cable System Installation Project, Los Angeles to Anaheim, Los Angeles and Orange Counties	Ashkar, Shahira (Jones & Stokes Associates, Inc.)	1999	Outside
LA-05430	Cultural Resource Assessment for Pacific Bell Wireless Facility SM 003-02, County of Los Angeles, California	Duke, Curt (LSA Associates, Inc.)	2000	Outside
LA-06348	Cultural Resource Assessment for Pacific Bell Wireless Facility SM 003-02, County of Los Angeles, California	Duke, Curt (LSA Associates, Inc.)	2000	Outside
LA-07427	Caltrans Historic Bridge Inventory Update: Metal Truss, Movable, and Steel Arch Bridges	McMorris, Christopher (JRP Historical Consulting)	2004	Outside
LA-07945	Archaeological Inventory Report: East Downtown Truck Access Improvements Project, Los Angeles, California	Messick, Peter (Greenwood and Associates)	2006	Outside
LA-08252	Request for Determination of Eligibility for Inclusion in the National Register of Historic Places/Historic Bridges in California: Concrete Arch, Suspension, Steel Girder and Steel Arch	Snyder, John W., Mikesell, Stephen, and Pierzinski (Caltrans)	1986	Outside
LA-08298	Cultural Resources Record Search and Site Visit Results for Royal Street Communications, LLC Candidate La2915a (skid Row Trust), 676 South Central Avenue, Los Angeles, Los Angeles County, California	Bonner, Wayne H. (Michael Brandman Associates)	2007	Outside
LA-08518	Historic Architectural Survey and Section 106 Compliance for a Proposed Wireless Telecommunications Service Facility located on a Warehouse Building in the City of Los Angeles (Los Angeles County), California	Taniguchi, Christeen (Galvin and Associates)	2004	Outside
LA-08635	A Phase I Cultural Resource Assessment and Paleontologic Assessment for the Proposed Los Angeles Department of Water and Power Distribution Center #144 in the City of Los Angeles, Los Angeles County, California	Ramirez, Robert S. and Robin D. Turner (ArchaeoPaleo Resource Management, Inc.)	2008	Outside
LA-10451	Finding of Effect – 6th Street Viaduct Seismic Improvement Project	Chasteen, Carrie (Parsons)	2008	Outside
LA-10452	Historical Resources Evaluation Report – 6th Street Viaduct Seismic Improvement Project	Smith, Francesca (Parsons)	2007	Outside
LA-10506	Cultural Resources Monitoring: North Outfall Sewer – East Central Interceptor Sewer Project	Greenwood, Roberta S., Scott Savastio, and Peter Messick (Greenwood and Associates)	2004	Outside
LA-10701	Cultural Resources Records Search, Site Visit Results, and Direct APE Historic Architectural Assessment for Clearwire Candidate CA-LOS5989A/CA5630 (Central), 810 Kohler Street, Los Angeles, Los Angeles County, California	Bonner, Wayne H. and Kathleen A. Crawford (Michael Brandman Associates)	2010	Outside
LA-10887	Historic Property Survey Report for the North Outfall Sewer– East Central Interceptor Sewer, City of Los Angeles, County of Los Angeles, California	Starzak, Richard, Alma Carlisle, Gail Miller, Catherine Barner, and Jessica Feldman (Myra L. Frank & Associates)	2001	Outside
LA-11409	Construction Phase Cultural Resources Monitoring and Treatment Plan for the City of Los Angeles North Outfall – East Central Interceptor Sewer Project	Horne, Melinda C. (Myra L. Frank & Associates)	2000	Outside

Report Number	Title	Author (Affiliation)	Year	Relationship to Development Area
LA-11618	Los Angeles Wholesale Terminal Market Historic Resource Report	Grimes, Teresa, Jessica MacKenzie, and Jessica Fatone (Christopher A. Joseph & Associates)	2007	Overlapping
LA-11683	LAUSD Central Region 9th Street K-8 Span Site Redevelopment Demolition Cultural Resources Services	O'Neil, Stephen (UltraSystems)	2010	Outside
LA-11799	Archaeological Survey Report for the La Kretz Innovation Campus Project located at 500-542 Colyton Street, Los Angeles, California	Shattuck, Paul (ICF International)	2011	Outside
LA-12210	Cultural Resources Records Search and Site Visit Results for T-Mobile West, LLC Candidate LA02648A (LA648 Rossmore Hotel) 901 East 6th Street, Los Angeles, Los Angeles County, California	Bonner, Wayne H. and Kathleen A. Crawford (MBA)	2012	Outside
LA-12586	Archaeological Survey Report for the 6th Street Viaduct Improvement Project, City of Los Angeles Los Angeles County, California	Glenn, Brian and Maxon, Patrick (BonTerra Consulting)	2008	Outside
LA-12665	Final Archaeological Resources Monitoring Report for the Los Angeles Department of Water and Power La Kretz Innovation Campus Project, Los Angeles County, California	Bray, Madeleine, Vader, Michael, and Strauss, Monica (ESA)	2015	Outside
LA-12848	Final Archaeological Resources Addendum Report for the Los Angeles Department of Water and Power La Kretz Innovation Campus Project, Los Angeles County, California	Bray, Madeleine and Vanessa Ortiz (ESA)	2016	Outside
LA-13239	Extent of Zanja Madre	Gust, Sherri (Cogstone)	2017	Outside

Previously Recorded Archaeological Resources

The CHRIS records search identified one archaeological resource outside the Development Area. The resource is a historical archaeological site (LAN-4460H) recorded approximately 0.6 km (0.4 miles) to the northwest of the Development Area. This site included trash scatters and various features associated with the foundations of former buildings occupied in the mid to late nineteenth century. Appendix A includes a confidential records search results map depicting previously recorded resources within 0.8 km (0.5 mile) of the Development Area.

NATIVE AMERICAN SITES IN DOWNTOWN LOS ANGELES

There are five sites recorded within downtown Los Angeles area that have Native Americans associations, they are between 1.25 and 1.75 miles from the Development Area, which is outside the 0.5-mile records search radius used for the CHRIS records search. Given that these sites were not identified in the CHRIS records search, they are briefly mentioned below to provide a more complete characterization of the Native American archaeological record in the downtown Los Angeles area. The five sites include the following: a major Native American settlement containing multiple human burials (LAN-1575/H); an isolated bone from a Native American who lived more than 3000 years ago (LAN-4662); two sites (LAN-7/H and P-19-100515) containing a small number of artifacts that could be associated with Native American activities; and the Los Angeles Plaza Cemetery site (LAN-4218H), which historical records document as having individuals of Spanish, Mexican, Native American, and varied heritage buried in the cemetery. The location of these sites is shown on a confidential map included in Appendix A.

NON-ARCHAEOLOGICAL RESOURCES

Notably, the Project Site includes an industrial complex historically called the Los Angeles Union Wholesale Terminal, previously owned by the Southern Pacific Railroad (SPRR), which currently encompasses a total of eight buildings, including seven large industrial buildings that were constructed between 1917 and 1923 (collectively the "District"); there is also an extant parking garage constructed in 2016 that is excluded from the District. The District was formally determined eligible for the NRHP in 1997 through the Section 106 review process and is thereby also included in the CRHR. There are no archaeological resources associated with the District and SWCA's CHRIS records search omitted non-archaeological resources, but the presence is noted because of its relevance to the land-use history vis a vis industrial uses of the same period as the District. The District and the Project's impacts to the District are analyzed in a separate technical report (ARG 2024).

Sacred Lands File Search

The NAHC transmitted the results of an SLF search in a letter dated January 19, 2024. The NAHC indicated the SLF results were positive and noted that the Gabrieleño Band of Mission Indians – Kizh Nation should be contacted for additional information. In their letter, the NAHC noted that tribes do not always record their sacred sites in the SLF, nor are they required to, so additional outreach or consultation may be necessary to determine if there are resources present that are only known by individual tribes. The NAHC's letter included an attachment with a list of 12 Native American contacts representing eight tribal organizations who may have knowledge of cultural resources in or near the Development Area study area. Appendix B includes the SLF results letters. All requests for information from California Native American tribes was conducted as part of the outreach process pursuant to MM 4.15-1(a) of the MMP from the Program EIR and the results are described below.

Archival Research

The following section summarizes the results of SWCA's archival research conducted using maps, ground and aerial photographs, illustrations, archaeological data, and other sources associated with historical land uses within and near the Development Area. Because of the proximity to mapped segments of Zanja No. 2 and Zanja No. 3, a detailed analysis of these two zanja system components is provided in the section following the summary of land-uses within the Development Area during the American period.

The plowed field mapped on Ord's 1848 plot of the City is the first documented land use for the Development Area. In the detailed view of Ord's map in Figure 12, the present-day location of the Development Area is depicted in an area mapped as agricultural fields owned by Feliz (Felix) Gallardo. Gallardo's fields are to the west of land owned by Don Antonio Francisco Coronel. Gallardo was born in Mexico in 1826 but sometime before 1848 had moved to Los Angeles. Gallardo's land was primarily used for agriculture, as referenced in the Ord map. In 1856 Gallardo was involved in a gunfight that resulted in his adversary, Jesus Dominguez, being injured. Although Dominguez avoided providing any information to the authorities, Gallardo was ultimately arrested and sentenced to a year in prison at San Quentin (Spitzzeri 2022). Gallardo does not appear to have ever returned to his land and instead moved to San Gabriel where he became a constable and then zanjero before becoming a deputy (Spitzzeri 2022). For the Development Area, it is unclear who was the historical land owner during the 1860s and 1870s; however, a real estate map prepared by Stevenson in 1884 shows the Development Area situated squarely within a property identified as Coronel's (Figure 13). The Coronels likely increased their land holdings in the period between the creation of Ord's and Stevenson's map.

Don Coronel was born in Mexico City in 1817 and moved to Los Angeles in 1834 with his father (Newmark 1954; Guinn 1902; Sanchez 1983:1). During the Mexican-American War, Coronel fought for Mexico, staying in the area after the land became U.S. territory. In 1848, shortly after the end of Mexican-American War and when the news of gold began reaching southern California, Coronel, along with a party of 30 people, rode north to search for gold (Sanchez 1983:476). Coronel stayed in northern California until 1849, after which he returned to Los Angeles. Aside from this brief sojourn north, Coronel spent his adult life in Los Angeles, devoting himself to various public offices most notably Mayor of Los Angeles from 1853 to 1856 and California State Treasurer from 1866 to 1870 (Guinn 1902). In 1873, the 56-year-old Coronel married 22-year-old Marian Williamson, a native Texan who had moved to California in 1859 when she was a child (Guinn 1902). Don Coronel had multiple houses in Los Angeles, including an adobe in Los Angeles near at the corner of Los Angeles Street and Arcadia and a home known as El Recreo near the intersection of 7th Street and Central Avenue on their agricultural fields (Figure 14). A lithograph from the 1880s depict the Coronels' agricultural fields which occupied the current Development Area as well as El Recreo (Figure 15). This lithograph is facing west toward downtown Los Angeles and depicts the Coronels' residence, which would have been near the present-day intersection of 7th Street and Central Avenue. The SPRR rail line is shown along Alameda Street, and portions of the Development Area are present on the left side of the image.

The setting of the Development Area is captured in an 1877 landscape overview of the City, illustrated as a lithograph drawn facing south from the Elysian Hills near what is now Dodger Stadium (Figure 16). At this time the area appeared in much the same way as depicted in Ord's 1849 map. Most of the land surrounding the Development Area was made up of agricultural fields interspersed with small homes. The SPRR line along Alameda Street is visible on this image, indicated by the drawing of the train on the street south of the Development Area.

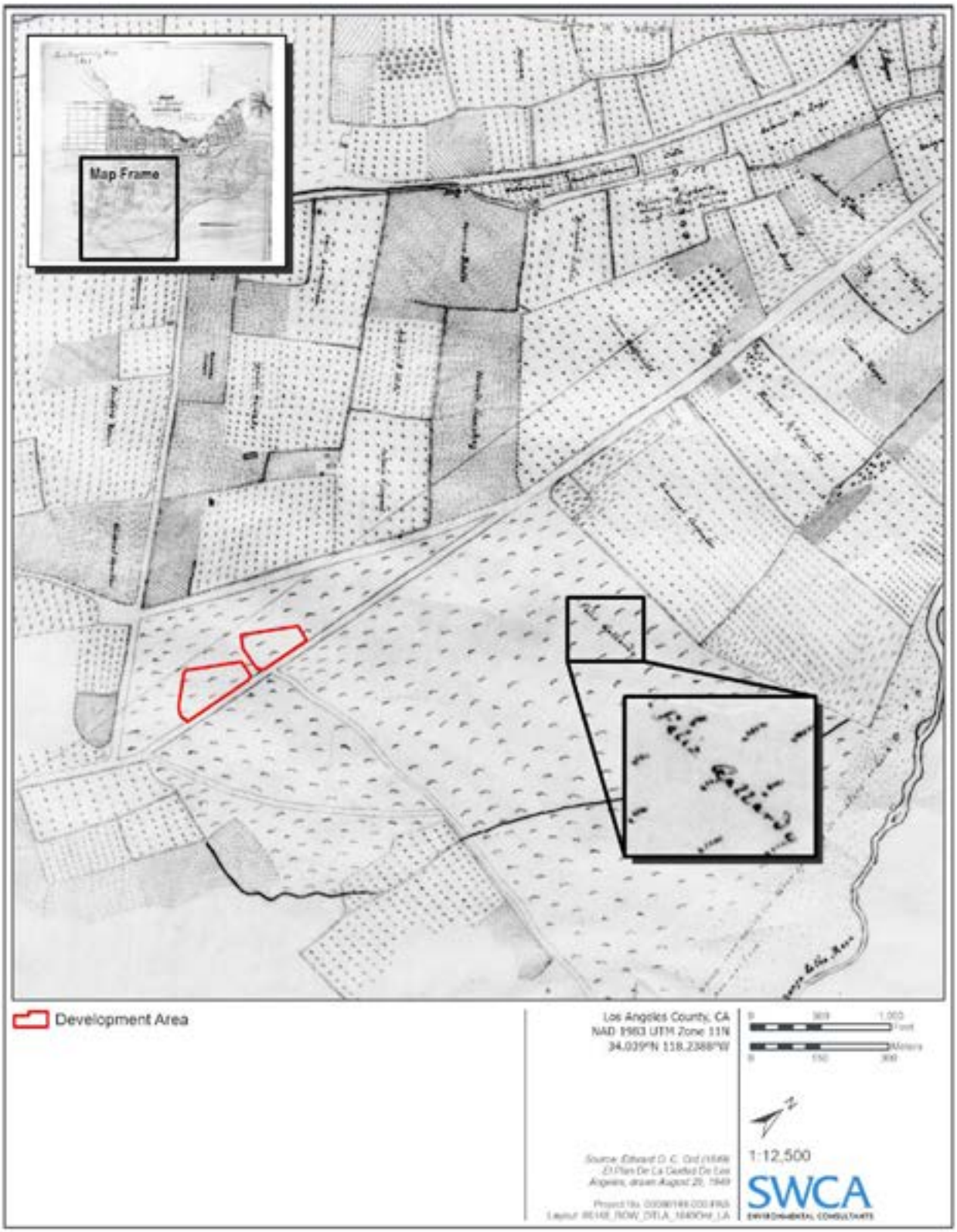

Figure 12. Detailed view of Ord's 1849 map (see inset in top left) annotated with landownership. Feliz Gallardo is identified as the owner of the larger plot (enlarged inset) which encompasses the Development Area location. The map symbology indicates that the Gallardo plot was plowed.



Figure 13. Development Area plotted on H.J. Stevenson's 1884 *Map of the City of Los Angeles, California.*



Figure 14. The Coronels' residence at 7th Street and Central Avenue ca. 1880 (Courtesy of Los Angeles Public Library, Item 00061569)

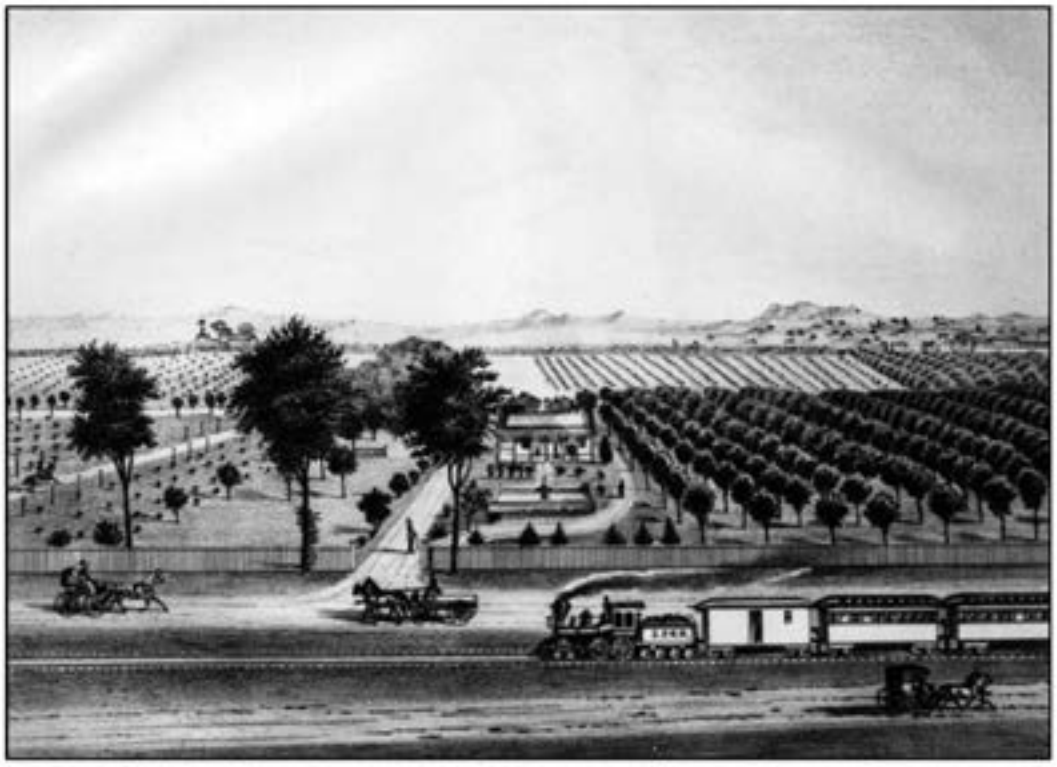

Figure 15. Lithograph of the Coronel residence and surrounding agricultural fields at 7th Street and Alameda Street looking west. Note the SPRR line running along Alameda Street ca. 1880. (Courtesy of Los Angeles Public Library 00078976)

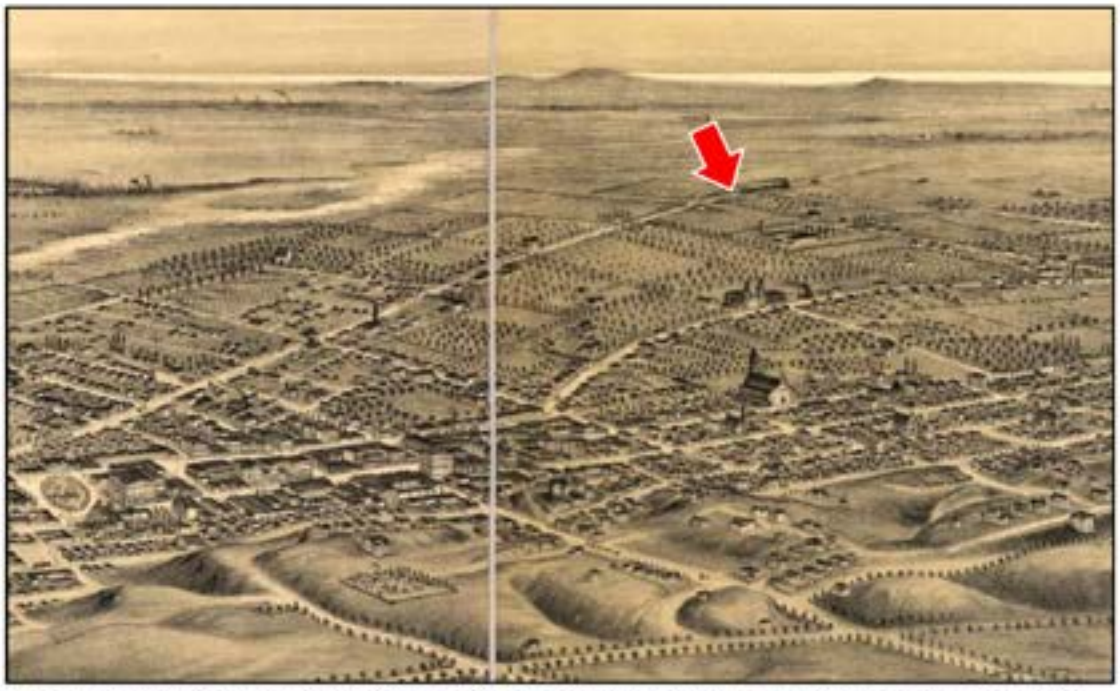

Figure 16. Detailed view of an illustration showing Los Angeles in 1877 (Source: Library of Congress, Control No. 75693093). The view is facing south with the Los Angeles Plaza visible as an oval on the bottom-left corner of the frame. The red arrow indicates the approximate location of the Development Area along Alameda Street.

The Development Area location at 7th and Alameda Streets is visible in a bird's eye view illustration from 1891 (Figure 17). The illustration captures the extent of urbanization that had expanded significantly in the 1880s. The areas north and to the west of the Development Area that once mainly consisted of agricultural fields had been increasingly replaced with residential and commercial uses. The 1891 illustration depicts a train station directly north of the Development Area, and the Development Area itself is developed with two small buildings. A similar illustration from 1894 depicts the Development Area as agricultural land or perhaps simply as a vacant lot. Both maps depict the slow growth of the commercial and industrial center south of the city's historical core. The 1894 illustration shows the Bishop Confectionery Manufacturing Company (Bishop & Company) in a lot directly north of the Development Area—at the northwest corner of 7th Street and Alameda Street (Figure 18). In addition to the Bishop & Company factory, built in 1893, the company operated several other buildings in Los Angeles by the early twentieth century, including one of the buildings within the wholesale terminal at 7th Street and Central Avenue, directly adjacent to the Development Area. Although Bishop & Company was an extremely successful business in the early twentieth century, at one point employing over 1,000 people, the impact of the Great Depression ultimately led to the company's demise, and the company was purchased by Nabisco in 1930 (Berman and Carreno 2008). By 1936, its factory at the northwest corner of 7th and Alameda Street had been demolished; however, the building within which it operated, the wholesale terminal west of the Development Area, remains to this day and has been repurposed for various commercial uses.

Sanborn maps from 1888 and 1894 do not depict the current location of the Development Area, whereas the Sanborn map from 1900 shows a portion of the Development Area location as vacant land, which suggests that the Development Area location either was used for agriculture or was simply vacant land throughout that time. The first Sanborn map that shows developments within the Development Area dates to 1906 (Figure 19). This map shows that the Development Area was a part of the Electric Railway

Company property at that time, and several buildings were present within the area, including four that were entirely or partially within the current-day Development Area boundaries. The next Sanborn Map dates to 1950 and shows that the entire Development Area had been redeveloped (Figure 20). The buildings that once existed in the Development Area and vicinity had been demolished and replaced with the large industrial warehouses that made up the wholesale terminal, many of which still exist today. Within the Development Area, one rectangular building existed in the lot north of the Development Area, and the remainder of the Development Area was used as a rail yard. Sanborn maps from the later 1950s, 1960s, and 1970 do not show any changes to the Development Area.

Aerial imagery available from 1923 onward provides more context on the development of the Development Area throughout the twentieth century. By 1923, the Development Area had begun to be used as a rail yard, and there was one rectangular building present in the lot north of the Development Area, which corresponds to the observations made during the review of Sanborn maps from the 1950s. Aerial imagery from the later 1920s through the 1970s does not show any changes to the use of the Development Area (Figure 21). The first significant change came between 1972 and 1983, when the rail yard, which was present within the Development Area for much of the twentieth century, was demolished and replaced with an at-grade parking lot. The warehouse building was still present within the lot to the north at this time; however, by 1989, this building had been demolished as well, and the space was being used for parking or storage (Figure 22). Aerial imagery from the 1990s and 2000s does not show any changes to Development Area use, although it appears that the area was repaved in the 2000s.

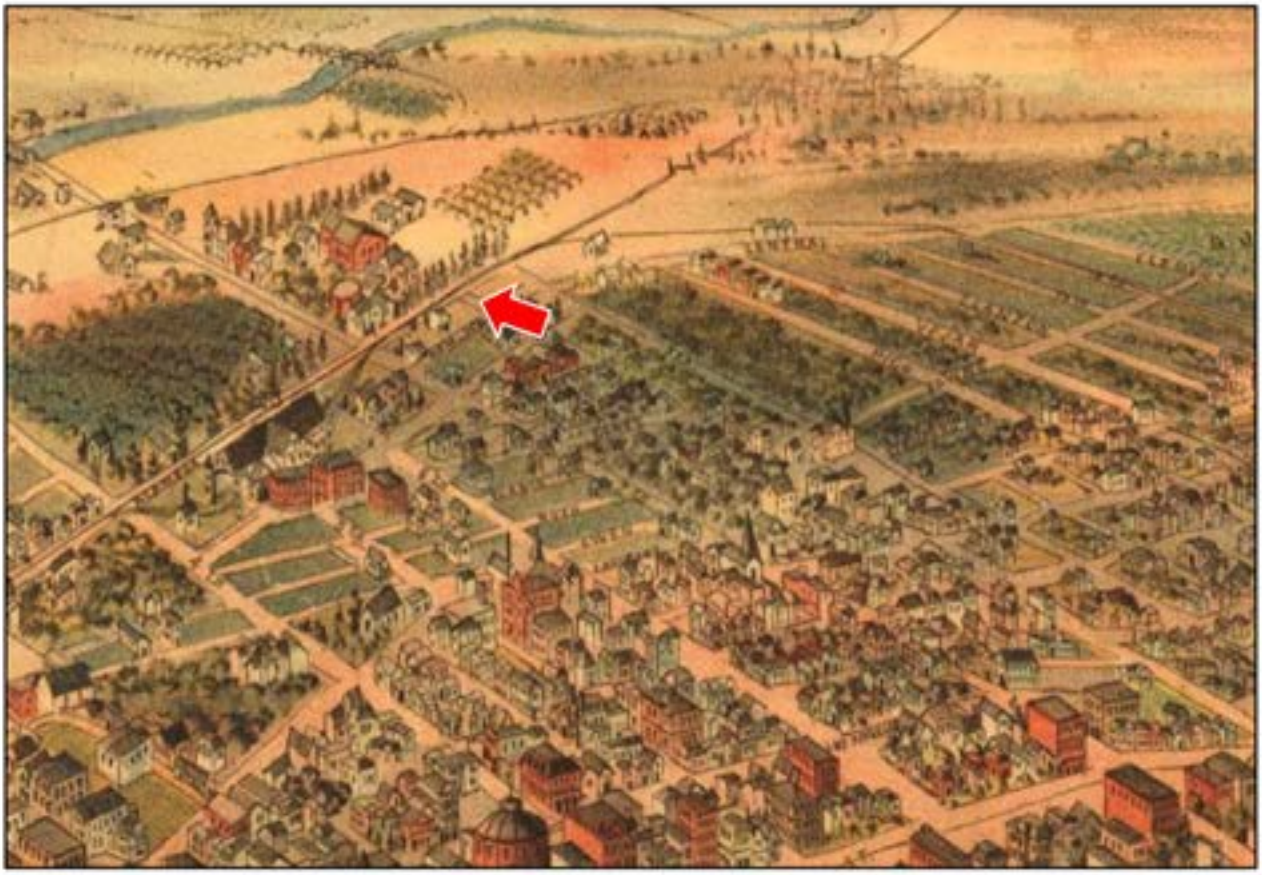

Figure 17. Detail view of a bird's-eye illustration facing southwest, Los Angeles, California, 1891. The Project Site is indicated by the red arrow. (Library of Congress Geography and Map Division Washington, D.C., Control Number 75693095)



Figure 18. Detail view of a bird's-eye illustration, Los Angeles, California, 1894. The Project Site is indicated by the red arrow; the yellow arrow points to the Bishop Confectionery Manufacturing Company. (Library of Congress Geography and Map Division Washington, D.C., Control Number 75693096)

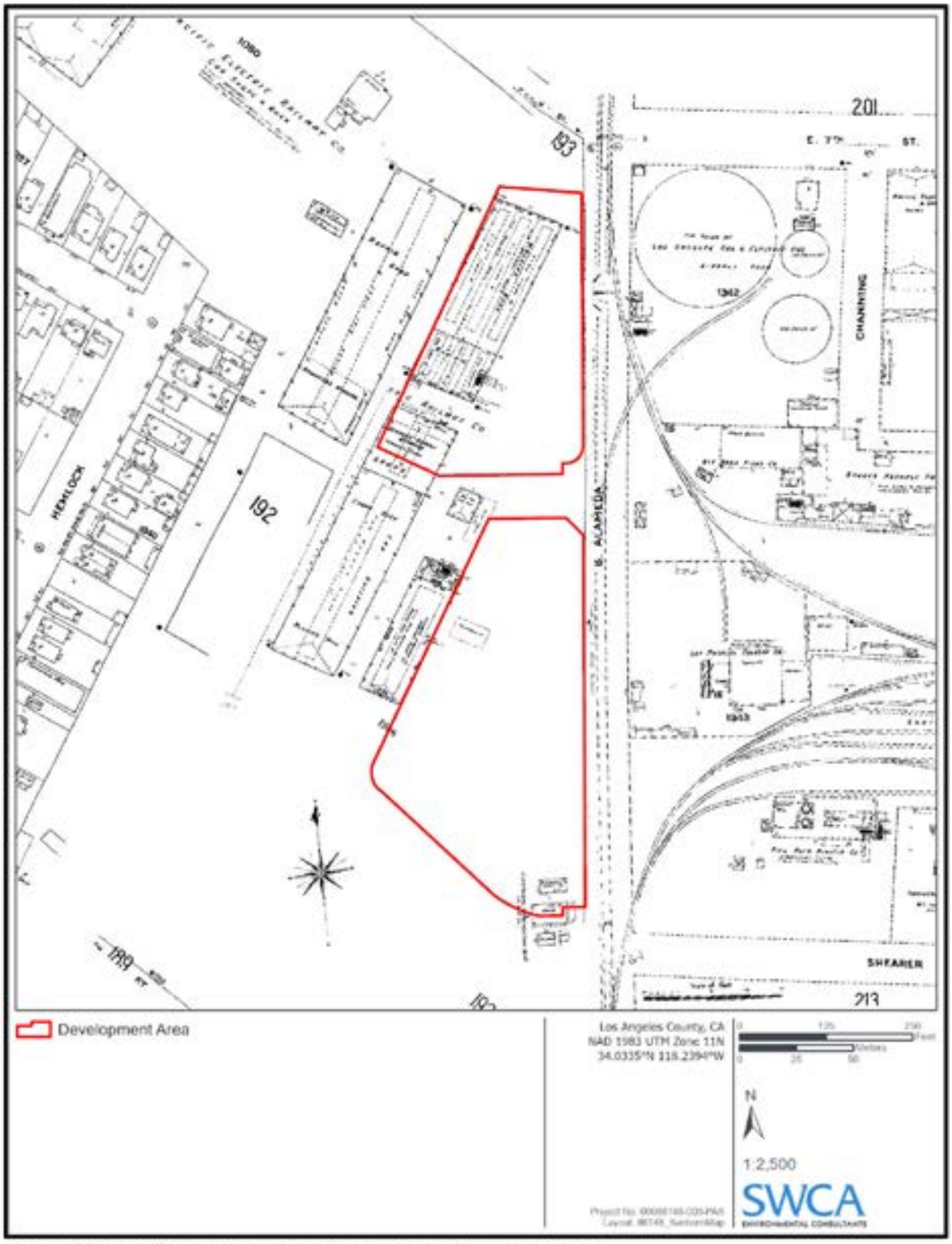

Figure 19. Development Area shown on the 1906 Sanborn map.

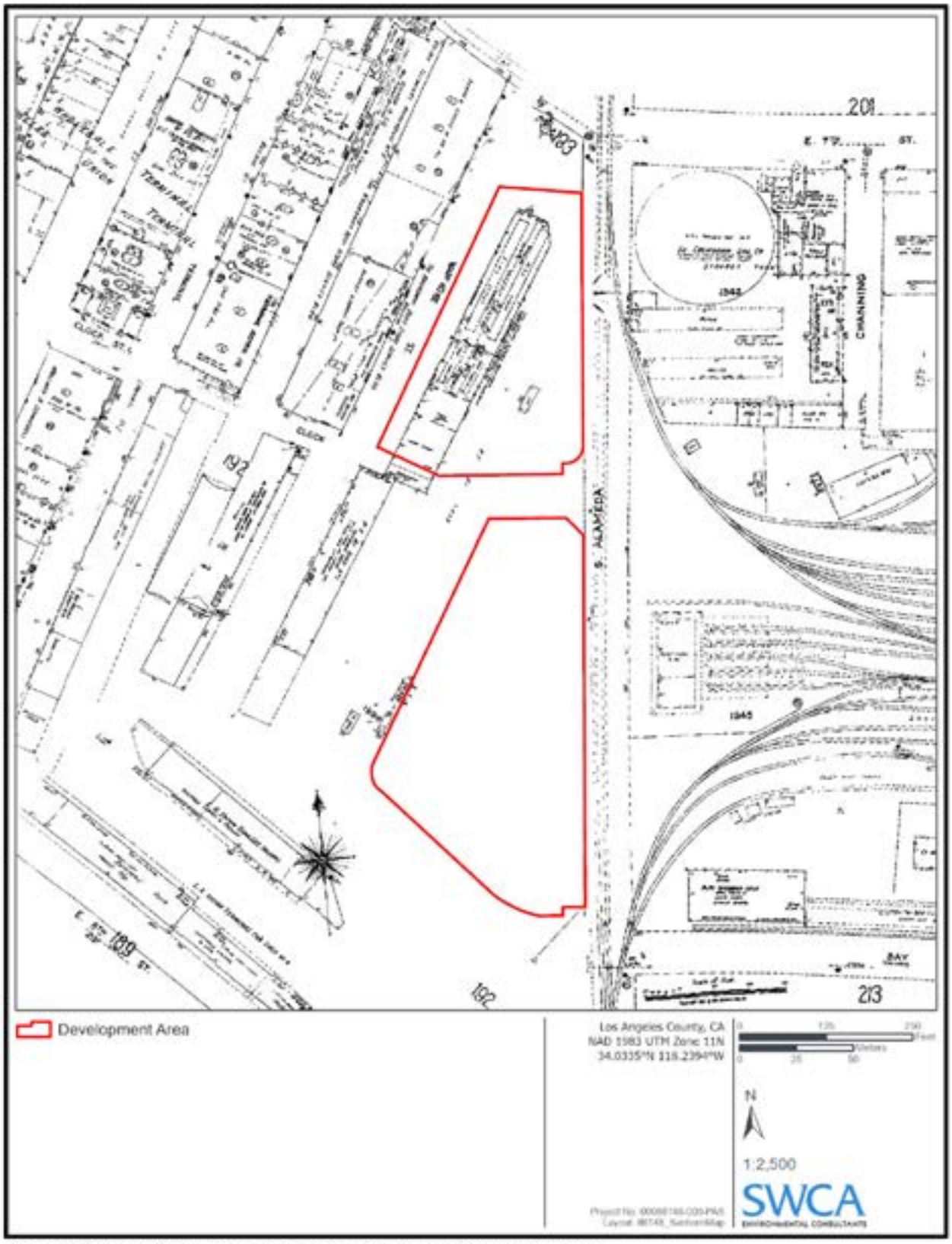

Figure 20. Development Area shown on the 1950 Sanborn map.

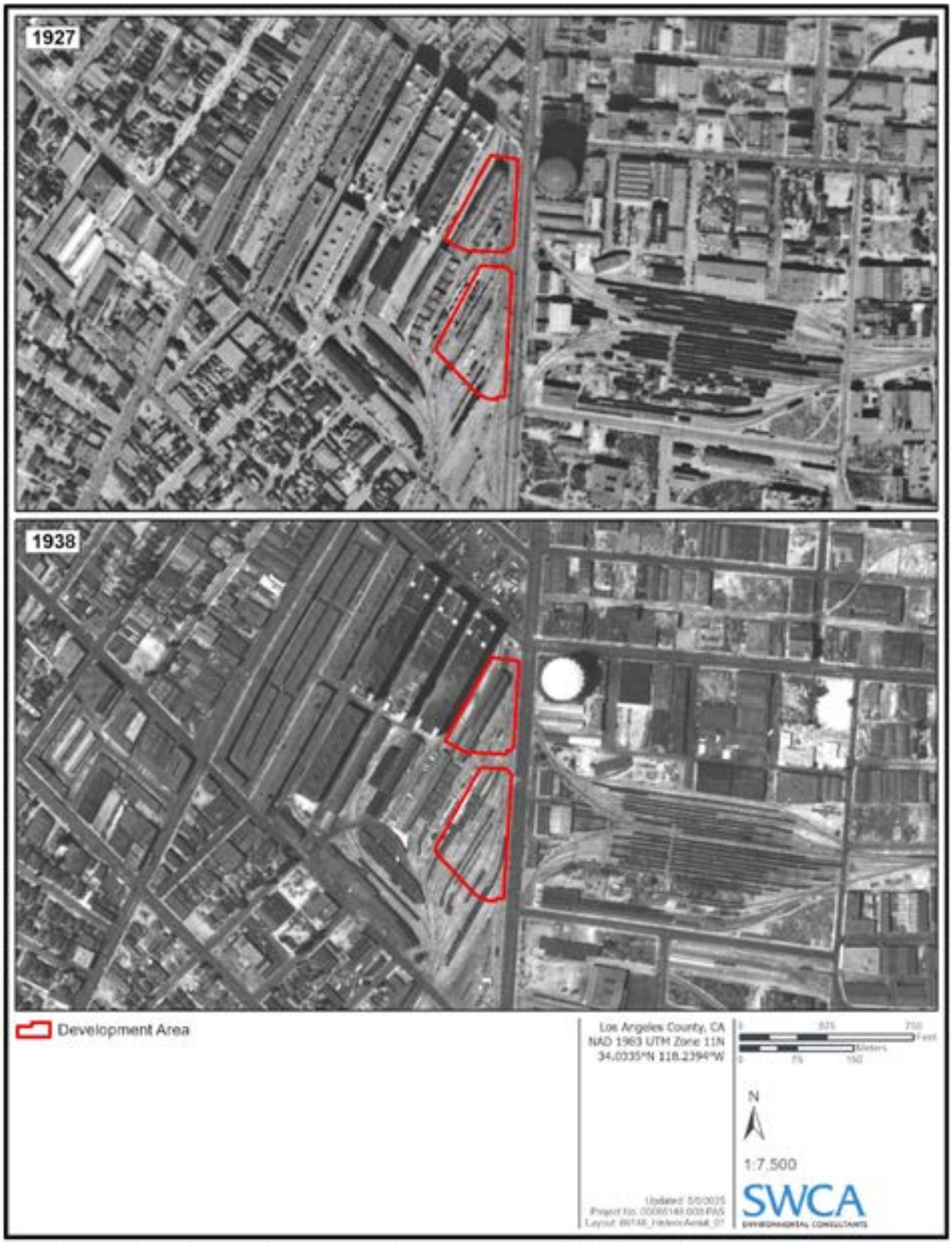

Figure 21. Development Area shown on aerial photographs from 1927 and 1938.

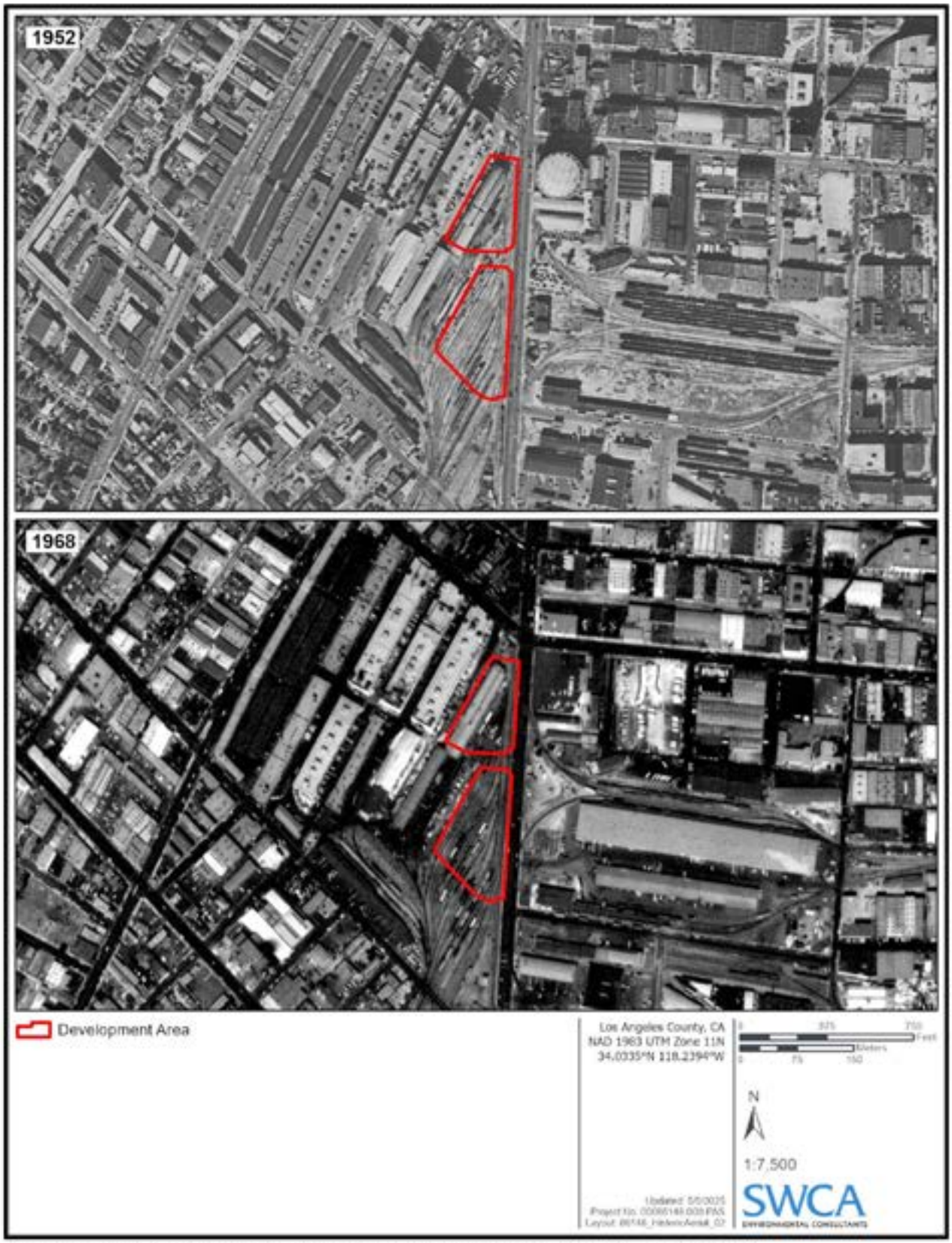

Figure 22. Development Area shown on aerial photographs from 1952 and 1968.

Zanja System Components

Ord's 1849 map of Los Angeles included many of the primary zanja segments, secondary irrigation ditches, and information on the types of crops being grown in the agricultural fields (see Figure 12). Not all the zanjas are easily distinguished on Ord's map, particularly where they were contiguous with roads, fences, and boundaries between fields and landowners, all of which could be immediately adjacent to one another and only depicted by a single line on the map. Zanja No. 2 is not discernible in Ord's map. Zanja No.3 can be identified between agricultural fields on Ord's map west of the location of the Development Area. At this time, Zanja No. 2 and Zanja No. 3 were likely constructed as simple earthen ditches and serviced the numerous agricultural fields in the southern parts of the City. Stevenson's 1884 real estate map (see Figure 13) shows Zanja No. 2 along Alameda Street in the vicinity of the Development Area and Zanja No. 3 in roughly the same location as the irrigation ditch depicted on Ord's 1849 map. Information specific to Zanja No. 2 and Zanja No. 3 is discussed in more detail below.

Zanja No. 2

No segments of Zanja No. 2 have been documented archaeologically. According to archival evidence, this segment ran down Alameda Street from 1st Street to 22nd Street in a flume box (Hall 1888:545). In 1876, a waterwheel that used water from Zanja No. 2 was constructed on Thomas Leahy's property southeast of the Development Area, on the east side of Alameda Street between 7th and 8th Streets (Figure 23). The undated photograph in Figure 23 was taken from Alameda Street, showing the waterwheel on the Leahy property. Although no segments of Zanja No. 2 have been identified archaeologically, a Sanborn Map published in 1900 depicts the zanja running as an open ditch along the northeast side of Alameda Street, opposite the Development Area (Figure 24). The subsequently published Sanborn map from 1906 shows a 10-inch water pipe in the same approximate alignment of Zanja No. 2 down Alameda Street, but it is not labeled as such. Zanja No. 2 was likely abandoned early in the twentieth century as the city began to turn away from agriculture and toward increasing its domestic water supply. Thus, all available evidence suggests that at no point was Zanja No. 2 ever aligned through the Development Area.



Figure 23. Water wheel powered by water from Zanja No. 2. The undated photograph was taken from Alameda Street showing the water wheel on the property of Thomas Leahy on the east side of Alameda Street between 7th and 8th Streets.

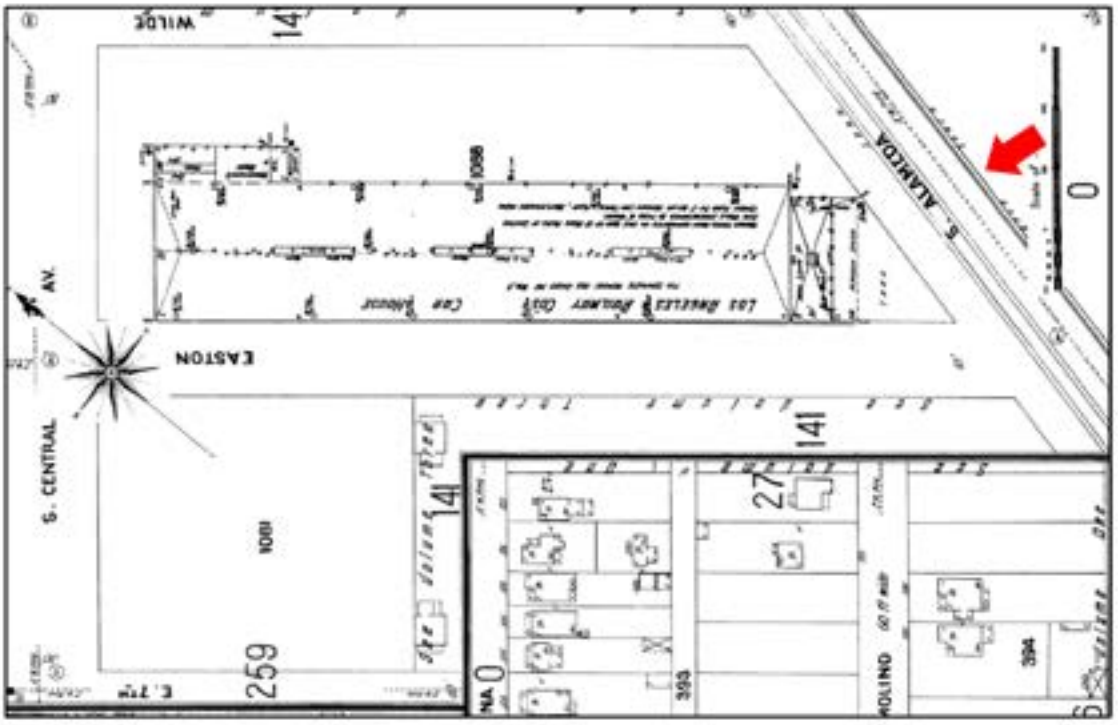

Figure 24. Sanborn published in 1900, which depicts the area north of the Development Area (not shown) and the alignment of Zanja No. 2 (red arrow), labeled "Open Zanja," on the northeast side of Alameda Street.

Zanja No. 3

Historical sources indicate that in the late 1880s, a portion of Zanja No. 3 followed Central Avenue and was constructed as a cement pipe in the segment between 7th Street and 12th Street, which is approximately 265 meters (869 feet) to the west of the Development Area. Zanja No. 3 provided water to several vineyards and orchards, including the lands of prominent Angelenos such as Isidro Reyes, Antonio Coronel, William Wolfskill, and George Dalton (Layne 1952:22). The zanja was likely abandoned by the turn of the century (Hoffman and Stern 2007:19; Louis and Berger 1986). None of the sources reviewed indicate that any portion of Zanja No. 3 crossed or bordered the Development Area.

A segment of Zanja No. 3 was recorded in 1986 by archaeologists with Louis Berger and Associates for the Federal Center Complex Project in an area bound by Aliso, Alameda, Temple, and Los Angeles Streets. Zanja No. 3 was recorded on a Historic American Engineering Record (HAER) and is on file with Library of Congress under HAER No. CA-50; Zanja No. 3 has not been given a designation in the CHRIS records. The segment of Zanja No. 3 that was recorded is approximately 2.11 km (1.3 miles) north of the Development Area. The segment was identified as part of an archaeological testing program and then more fully exposed as part of the data recovery mitigation. The archaeological recording identified a 165-foot-long portion of the original earthen ditch constructed from 1825 to 1831, measuring between 10 and 12 feet wide at the top and six feet at the base, with a depth averaging 5.6 feet below grade. A 36-foot-long brick culvert was constructed in 1869 along the portion of the ditch that crossed the original alignment of Commercial Street. Several associated features were also recovered and included public utility lines and architectural remains. The utilities included an 1869 wooden sewer, 3.5-inch-wide iron gas line, 8-inch-diameter iron water main, and concrete electrical utility trench. The associated structural remains included a brick foundation from the Los Angeles Farming and Milling Company warehouse on Commercial Street (ca. 1883) and a concrete foundation believed to be a structural element of a 1941 Post

Office parking facility. This segment is the only part of Zanja No. 3 that has been recorded archaeologically.

Archaeological Site Preservation

The archaeological preservation conditions within the Development Area are generally poor for surficial deposits, but there is higher potential for encountering subsurface deposits within the Development Area. As detailed in previous sections, historically, the Development Area was in agricultural fields owned by the Coronel family. Available evidence suggests that the area was used for agricultural purposes until the late 1880s or early 1890s. Around the turn of the century the area was developed for industrial and commercial purposes and was used primarily as a railyard for much of the twentieth century. By the end of the 1980s the warehouse building and the railyard that had existed in the Development Area since the 1920s had been demolished and replaced with a paved area used for parking and storage. It appears that the paved lot has been re-paved.

Each historical phase of land use involved physical alterations to the near-surface setting of the Development Area. These changes occurred in a sequence wherein each successive alteration would have influenced the preservation conditions for any archaeological materials that may have been deposited on or below the surface during the prior period of use. These physical alterations may have completely removed any physical evidence of the prior land uses or resulted in those materials and the sediments in which they were embedded becoming intermixed. Agricultural land uses from the Mission, Rancho, and early American periods would have altered any Native American archaeological deposits that may have once existed. Industrial site uses from the early and mid-twentieth century would have altered any deposits of historical archaeological materials.

Removal and intermixing are common occurrences for archaeological deposits in urban settings of Los Angeles, but it is also possible for more deeply buried components to remain relatively intact beneath the altered surface. In other words, the physical alterations resulting from each successive period of land use may not have reached the full depth to which archaeological deposits from previous periods may have accumulated, as has been demonstrated on sites where areas have been excavated or naturally incised (e.g., streambeds), and then became backfilled with refuse. This may be done intentionally to bury trash or other waste materials but may also occur more haphazardly during the process of creating a level surface across a property, which is commonly done during demolition.

Where Native American archaeological deposits are concerned, in areas with high rates of natural deposition, artifacts and features could become deeply buried so that the historical alterations occurred well above the buried site. Site LAN-1575/H was identified during construction of the Metropolitan Water District Headquarters next to Union Station and there was an intact Gabrielino archaeological site identified beneath historical period alterations, and at shallower depths the Native American artifacts had become intermixed with nineteenth- and early twentieth-century materials. Site LAN-4662 consisted of a single 3,000-year-old long bone from a Native American individual that was recovered from 19 feet below the street grade. The bone appeared to have been part of flood deposits, which were composed of coarse-grained sands with poorly sorted and large gravels, from the Los Angeles River. These two examples were recorded between 1.3 and 1.6 mile from the Development Area, respectively.

The examples above demonstrate that Native American archaeological deposits are more likely to be identified when they occur beneath historically modified surfaces, whereas historical archaeological sites may occur anywhere within mechanically altered sediments, the creation of which resulted from the past land uses. These “mechanically altered sediments” are typically characterized as fill in a geotechnical investigation.

Group Delta conducted a geotechnical assessment of the Development Area in 2023 which included borings within the Development Area. Sediment profiles constructed from the results showed a surface stratum described as fill below the asphalt and extending up to approximately 5 feet deep. Below the fill, soils have been mapped as young alluvium (Qyf) (Bedrossian et al. 2012). Young alluvial soils present at the Development Area are Late Pleistocene and Holocene in age. Holocene soils can contain subsurface archaeological deposits, specifically intact Native American sites, whereas only the latest Pleistocene deposits have any potential to contain intact Native American archaeological materials. Sediments deposited before the latest Pleistocene are too old to contain deeply buried archaeological deposits.

Sensitivity Assessment

Native American Archaeological and Tribal Cultural Resource Sensitivity

Ethnographic sources described above have identified the Gabrielino village site of Yaanga as having been 2.25 km (1.4 miles) north of the Development Area. Numerous historic and ethnographic sources place Yaanga in the vicinity of the Pueblo of Los Angeles and what archaeological evidence is available supports the location of the village being west of the Los Angeles River. The location of such a settlement likely shifted over time due to environmental factors, such as the shifting courses of the Los Angeles River, and historical factors, such as the influx of settlers after the founding of the Pueblo of Los Angeles. The precise area that constituted the former village has never been determined archaeologically, but the best estimate based on available information indicates it likely occupied the approximate area between the location of the Metropolitan Water District Headquarters building and west to Fort Moore Hill.

CHRIS records search results did not identify any Native American archaeological resources or potential tribal cultural resources within the Development Area or in the 0.5-mile radius used to conduct the search. The nearest Native American archaeological sites to the Development Area are located over 1.6 km (1 mile) to the north and are mostly centered on the Los Angeles Plaza and Union Station and the Metropolitan Water District Headquarters (LAN-1575/H). The single bone from a Native American individual (LAN-4662) identified 19 feet below ground within Los Angeles River floodplain deposits demonstrates that deeply buried resources can occur; however, this is a very rare occurrence and compared with the volume of floodplain deposits, this one instance does not suggest that all similar deposits have a high likelihood of containing human remains. Rather, the finding at LAN-4662 indicates that the potential for human remains and Native American archaeological sites cannot be completely ruled out based strictly on depth.

The SLF search conducted for the Project was positive, although there was no indication of whether there was a specific known resource identified in the Development Area or whether the positive result indicates sensitivity because of proximity to a known site in the NAHC's confidential file. The relative proximity to LAN-1575/H, which included several Gabrielino burials, could be related to the positive results, but consultation with the Gabrieleño Band of Mission Indians – Kizh Nation would be necessary to make a conclusive determination concerning the positive SLF results.

SWCA assessed the archaeological preservation conditions within the Development Area and found that the naturally deposited alluvial sediments beneath the fill stratum are capable of containing buried Native American archaeological deposits (including potential tribal cultural resources) based on the time period in which the sedimentary unit was formed. Specifically, the underlying alluvium was characterized as young alluvium that is Late Pleistocene to Holocene in age. These deposits appear to be composed of naturally deposited alluvium accumulated as flood plain deposits from the Los Angeles River. Alluvium that is more than 12,500 years in age is too old to contain Native American materials and there is no

archaeological sensitivity. The depth at which the alluvium becomes older than 12,500 years cannot be determined from regional geological studies or sediment profiles produced from the geotechnical testing conducted for the Project. Generally, the sensitivity for Native American archaeological resources decreases with depth beneath the fill stratum, which is estimated to extend approximately 5 feet below grade. The potential for individual artifacts to be recovered from within the fill stratum cannot be ruled out, but the likelihood of intact deposits within this stratum is low.

The location of the Development Area on the edge of the floodplain of the Los Angeles River and in reasonable proximity to a known Gabrielino settlement indicates that this area was more intensively used by Native Americans in the past compared to less intensively used areas within the traditional territory. More intensively used areas are more likely to produce physical evidence of those activities that can be preserved as archaeological deposits. The historical alterations documented within the Development Area have clearly reduced the likelihood that a Native American archaeological site or potential tribal cultural resource may have once been present, but the potential for a buried site cannot be ruled out. Accordingly, SWCA finds the Development Area has moderate sensitivity for Native American archaeological resources and tribal cultural resources. This sensitivity is contained within alluvial sediments that are younger than 12,500 years in age. Sediments older than this are too old to contain Native American archaeological resources or tribal cultural resources. The sensitivity for Native American archaeological resources and tribal cultural resources is low within the fill sediments because of the historical land uses.

Historical Archaeological Sensitivity

Historical land uses within the Development Area were assessed through archival research. The pre-1870s agricultural land uses associated with the Coronel family are not activities that typically produce substantial material deposits or physical evidence. Artifacts and features associated with nineteenth century farms are not commonly found identified in archaeological assemblages in this part of Los Angeles. In contrast, materially reinforced canals (e.g., the Zanja Madre) and remains of former buildings and structures have a greater likelihood of being preserved. Review of other maps from this period do not give any indication that there were ever any buildings or structures constructed within the Development Area during the nineteenth century, and these sources also provided evidence confirming that neither of the nearest known segments of the Zanja System—Zanja No. 2 and Zanja No. 3—passed through the Development Area. The agricultural activities are noteworthy in terms of the diminished potential for Native American archaeological sites, but the likelihood of substantial historical archaeological resources from before the turn of the twentieth century is low within the Development Area.

No information was identified to confirm exactly when the agricultural fields ceased being cultivated, but available evidence suggest it was sometime around 1900. In the first decade of the twentieth century the Development Area was used for industrial purposes related to the Electric Railway Company and multiple buildings existed within the Development Area. However, by the 1920s, all these structures had been demolished and replaced with rail lines and a warehouse structure within the Development Area. These developments were associated with the development of the warehouse terminal built in the vicinity of the Development Area which included the development of the extant buildings to the west of the Development Area. There were very few changes to the Development Area until the 1980s when the existing warehouse and rail yard were demolished and replaced with a paved area used for parking and storage. The only discernible changes to the Development Area since then include the re-paving of the area.

A search of the CHRIS identified one historical archaeological site recorded within a 0.8 km (0.5 mile) radius of the Development Area. This site included trash deposits, foundations, and other features related to the mid- to late nineteenth century. The use of the Development Area as a rail yard for over 50 years suggests that if any physical materials are present within the Development Area, then they are likely

associated with this land-use history. The paving of the Development Area may have preserved underlying deposits related to these activities, such as abandoned railroad ties, nails, and tracks, which are commonly found below ground in former industrial areas. Building materials, miscellaneous pieces of refuse including glass and metal food and beverage containers, and former building foundations are also common and could be present within the Development Area. Bore logs produced as part of the geotechnical investigation conducted for the Project report pieces of brick being identified within the fill stratum at all five bore locations sampled within the Development Area. Based on these findings, SWCA finds the Development Area has high sensitivity for containing historical archaeological resources. This sensitivity is contained within sediments designated as fill, which are estimated to extend from beneath the current pavement to as much as 5 feet below grade.

Outreach to California Native American Tribes

SWCA sent notification letters on July 18, 2025, to the ten (10) tribal representatives who are on the City's list of tribes who have requested consultation under AB 52, which is periodically updated with information provided by the NAHC. One of the letters was returned as undeliverable because the addressee, Charles Alvarez of the Gabrielino-Tongva Tribe, had moved. An electronic copy of the letter was emailed on August 4, 2025.

As of November 4, 2025, one response to the notification letters had been received. The response was submitted on July 28, 2025, by the Gabrieleño Band of Mission Indians-Kizh Nation via email to SWCA. The only content included in the email was a request to provide contact information for the lead agency. SWCA replied on the same day and asked for further clarification on the nature of the request as a means of ensuring the appropriate contact was identified. No response was received to SWCA's reply but the City was contacted by the Gabrieleño Band of Mission Indians-Kizh Nation in August 2025. Through subsequent written correspondence and one conference call, the Gabrieleño Band of Mission Indians-Kizh Nation indicated they consider the Development Area to be sensitive and requested three measures. The measures include requirements for a Native American monitor during ground-disturbing activities (TCR-1), and protocols to follow in the event there is a discovery of a non-funerary/ceremonial tribal cultural resource (TCR-2) or human remains and funerary/ceremonial objects (TCR-3). No other responses to the notification letters have been received. A summary of the tribal outreach efforts is provided below in Table 2.

Table 2. Summary of Outreach to California Native American Tribes

Name, Title	Affiliation	Summary
Rudy Ortega, Tribal President	Fernandeño Tataviam Band of Mission Indians	July 21, 2025: Notification letter delivered via USPS certified mail. August 4, 2025: No response received.
Miguel Luna, THCP Director	Fernandeño Tataviam Band of Mission Indians	July 21, 2025: Notification letter delivered via USPS certified mail. August 4, 2025: No response received.
Andrew Salas, Chairperson	Gabrieleño Band of Mission Indians-Kizh Nation	July 21, 2025: Notification letter delivered via USPS certified mail. July 28, 2025: Response received via email requesting contact information for lead agency July 28, 2025: Email reply from SWCA requesting additional information on the nature of the request. August 4, 2025: No response received. August–October 2025: Email correspondence between City and tribal representative; one conference call discussing. Three mitigation measures submitted to the City.

Name, Title	Affiliation	Summary
Anthony Morales, Chairperson	Gabrieleno/Tongva San Gabriel Band of Mission Indians	July 21, 2025: Notification letter delivered via USPS certified mail. August 4, 2025: No response received.
Sandonne Goad, Chairperson	Gabrieleno/Tongva Nation	July 22, 2025: Notification letter delivered via USPS certified mail. August 5, 2025: No response received.
Robert F. Dorame, Chairperson	Gabrieleno-Tongva Indians of California Tribal Council	July 24, 2025: Notification letter delivered via USPS certified mail. August 4, 2025: No response received.
Charles Alvarez	Gabrieleno-Tongva Tribe	July 27, 2025: Notification letter attempted delivery via USPS certified mail and returned because addressee had moved. August 4, 2025: Electronic copy of the notification letter submitted via email to two email addresses, one included on the NAHC contact list and one in the City of Los Angeles list. An auto-response indicating an invalid email address was received in response to one of the two email addresses. August 4, 2025: No response received.
Donna Yocum, Chairperson	San Fernando Band of Mission Indians	July 25, 2025: Notification letter delivered via USPS certified mail. August 8, 2025: No response received.
Isaiah Vivanco, Chairperson	Soboba Band of Luiseño Indians	July 22, 2025: Notification letter delivered via USPS certified mail. August 5, 2025: No response received.
Thomas Tortez, Chairperson	Torres Martinez Desert Cahuilla Indians	July 22, 2025: Notification letter delivered via USPS certified mail. August 5, 2025: No response received.

DISCUSSION OF RESOURCE SIGNIFICANCE AND IMPACT ANALYSIS

Resource Significance

As mentioned above, no previously recorded archaeological or tribal cultural resources have been identified within or in the vicinity of the Development Area. The average estimated depth of excavation to construct the two levels of subterranean parking beneath Buildings A-B and Building C is 20 feet below grade. The excavation to the respective depths would occur across the full extent of the Project Site in the two areas. Additional excavation to a depth of approximately 28 feet below-grade would be conducted under the elevator pit and associated footings. The potential for as-yet unidentified archaeological resources within the Development Area was assessed based on available evidence and is found to be moderate for Native American archaeological deposits (including potential tribal cultural resources) and high for historical archaeological deposits.

Significance for an archaeological resource is typically found under Criterion 4 of the CRHR, but eligibility is also possible under Criteria 1 and 2 where the archaeological materials can be correlated with a historically significant event or person(s). These are considered in more detail below. Criterion 3 is generally focused on resources that are architectural or structural in nature, which are analyzed as historical resources, not archaeological or tribal cultural. While there could be rare exceptions in which an archaeological resource satisfies Criterion 3, the types of archaeological resources with any reasonable potential of existing in the Development Area are either historic-in-age refuse deposits or scatters of

Native American artifacts, neither of which are at all likely to embody distinctive characteristics in type, period, region, or method, nor are they likely to represent the work of a master or possess high artistic value. As such, a more detailed discussion of the considerations under Criterion 3 is omitted from the subsequent section.

Regardless of the specific significance criteria being considered, determining the integrity and the extent (horizontal and vertical) of any identified archaeological remains is an important component of evaluating CRHR eligibility. Information on the horizontal distribution and vertical depth of the cultural material provides baseline data about the site (e.g., size, presence or absence of subsurface components, discrete activity areas) that contribute to a determination of the site's integrity. For any archaeological site or potential tribal cultural resource to be considered significant, it must satisfy at least one of the CRHR criteria and possess retain integrity (location, design, setting, materials, workmanship, feeling, and association). The integrity of an archaeological site, particularly the elements of location, setting, and association, can be adversely impacted by disturbance from natural or anthropogenic processes.

CRHR Criteria 1 and 2. An archaeological site can be found significant where a direct association can be demonstrated with a historically significant event (Criterion 1) or person (Criterion 2). The Development Area is known to have been owned by Don Coronel, who was a significant person in the history of early Los Angeles, although it is unlikely remains associated with Don Coronel or the period during which he owned the land are present within the Development Area. Additional archival research would be required in order to assess whether any archaeological materials identified in the Development Area (if present) are significant under Criteria 1 and 2. The same integrity considerations described under Criterion 4 would equally apply when determining CRHR eligibility under Criteria 1 and 2.

CRHR Criterion 4. Properties that are significant under Criterion 4 have yielded, or have the potential to yield, information important to the history of the local area, California, or the nation. Evaluations under Criterion 4 should consider whether the archaeological data can contribute to important historic research topics. This evaluation should factor in existing documentary evidence and integrity of the archaeological remains identified.

Properties that are significant under Criterion 4 have yielded, or have the potential to yield, information important to the history of the local area, California, or the nation. The Development Area has a history of industrial uses beginning in the first decade of the twentieth century that continued to the 1980s. The most common deposits preserved within the Development Area are related to the railroad infrastructure and commercial warehouses present within the Development Area. Archaeological deposits that date to this period have the potential to contribute to our understanding of transportation, industrialization, and commerce within Los Angeles during this period.

The integrity of any deposits depends on whether surfaces or features are preserved, and on the potential for identifying and analyzing horizontal and vertical spatial patterning in past behavior. If post-depositional natural or cultural processes have disturbed the context of the artifacts, potential information can be lost or its value highly compromised. As a result, a site with poor integrity often has a diminished capacity to yield information important in history (Criterion 4). Exploring both the horizontal and vertical aspects of the site allows for an evaluation of the information potential of the site and determination of the level of disturbance, if any.

To summarize, evaluations under Criterion 4 should consider whether the archaeological data can contribute to important historic research topics, which for the Development Area could be patterns in historic settlement, demography, consumer behavior, and the nature of land use in the beginning of the twentieth century. This evaluation should factor in existing documentary evidence and integrity of the archaeological remains identified.

Unique archaeological resource. For an archaeological resource to be considered a unique archaeological resource, it must contain information needed to answer important scientific research questions of public interest, possess a unique quality such as being the oldest or best example of a resource type, or be directly associated with a scientifically recognized important historic event or person. (PRC Section 21083.2.) An archaeological site that does not meet the significance threshold for any CRHR eligibility criteria is unlikely to be considered a unique archaeological resource.

Impact Analysis

The following threshold of significance is based on the Cultural and Tribal Cultural Resources sections of the Environmental Checklist contained in Appendix G of the State CEQA Guidelines.

Archaeological Resources

A project would result in significant adverse impacts related to archaeological resources if it would:

b) Cause a substantial adverse change in the significance of an archaeological resource pursuant to state CEQA Guidelines Section 15064.5.

No previously recorded archaeological have been identified within the Development Area. At a minimum, any sediments designated as fill within the Development Area have high sensitivity for archaeological resources. Specifically, there is a potential to encounter objects associated with industrial land uses beginning around 1900 throughout the Development Area. The potential for Native American archaeological resources is characterized as being moderate within naturally deposited alluvial sediments that are Holocene in age (less than 12,500 years). The Project requires the excavation and removal of fill and underlying alluvial sediments below the current grade. If present, archaeological resources in the Development Area could yield information important in prehistory or history and thereby satisfy Criterion 4 of the CRHR. Therefore, ground disturbances from the Project could cause a substantial adverse change in the significance of an archaeological resource pursuant to CCR Section 15064.5. Accordingly, SWCA finds that the Project could result in potentially significant impacts to an archaeological resource.

Tribal Cultural Resources

A project would result in significant adverse impacts related to tribal cultural resources if it would:

a) Cause a substantial adverse change in the significance of a tribal cultural resource, defined in PRC Section 21074 as either a site, feature, place, cultural landscape that is geographically defined in terms of the size and scope of the landscape, sacred place, or object with cultural value to a California Native American tribe, and that is:

   i. Listed or eligible for listing in the CRHR, or in a local register of historical resources as defined in PRC Section 5020.1(k), or

   ii. A resource determined by the lead agency, in its discretion and supported by substantial evidence, to be significant pursuant to criteria set forth in subdivision (c) of PRC Section 5024.1. In applying the criteria set forth in subdivision (c) of PRC Section 5024.1, the lead agency shall consider the significance of the resource to a California Native American tribe.

No listed tribal cultural resources have been identified within the Development Area. At a minimum, any sediments designated as fill within the Development Area have low sensitivity for a tribal cultural resource. The potential for a tribal cultural resource is characterized as moderate within naturally deposited alluvial sediments that are Holocene-in-age (deposited less than 12,500 years ago). Outreach to

California Native American tribes included a conference call between the City and Gabrieleño Band of Mission Indians-Kizh Nation who indicated they consider the Development Area to be sensitive. No information was submitted by the Gabrieleño Band of Mission Indians-Kizh Nation that indicates there is a known tribal cultural resource in the Development Area, nor was any information submitted to support their sensitivity assessment.

The Project requires the excavation and removal of fill and underlying alluvial sediments below the current grade. If present, a Native American site or feature in the Development Area could yield information important in prehistory or history and thereby satisfy Criterion 4 of the CRHR; if the resource also had cultural value to a California Native American tribe, then the resource would be a tribal cultural resource. Therefore, ground disturbances from the Project could cause a substantial adverse change in the significance of a tribal resource pursuant to CCR Section 15064.5. Accordingly, SWCA finds that the Project could result in potentially significant impacts to a tribal cultural resource.

Feasibility of Preservation in Place

According to CEQA Guidelines 15126.4(b)(3), preservation in place (i.e., avoidance) is the preferred manner of treatment of a significant archaeological site, which would also apply to a tribal cultural resource that is archaeological in nature. If avoidance is not feasible, treatment may include archaeological data recovery (i.e., excavation, laboratory processing, and analysis) to obtain important information and thereby reduce potential impacts under Criterion 4 to less than significant. Architectural documentation of engineered properties may reduce potential impacts under Criterion 3 to less than significant, although there is no indication that any such resources are likely to exist within the Development Area. Treatment options for impacts to archaeological resources eligible under Criteria 1 and 2 typically require the same methodological treatment for resources found eligible under Criterion 4, potentially with more directed and extensive research and analysis components.

Preservation in place may include any of the following: planning construction to avoid archaeological sites; incorporating archaeological sites into a park, greenspace, or open space; covering the archaeological site with a layer of chemically stable soil; and deeding the site into a permanent conservation easement. There are no known, previously recorded archaeological sites identified in the Development Area; therefore, planning for avoidance is not applicable to this Project.

Archaeological sensitivity was assessed as moderate to high, which includes moderate sensitivity for tribal cultural resources. The Project design currently includes substantial amounts of excavation required for the construction of the subterranean parking lots, which very likely precludes the potential for incorporating any archaeological sites that may be discovered during construction into a park, greenspace, or open space, protecting the archaeological site under a soil stratum, or deeding the property into a conservation easement. Thus, if a previously unrecorded archaeological resource is identified within the Development Area and found to be significant, it is very unlikely that preservation in place will be a feasible form of mitigation under any of the examples listed in CEQA Guidelines. Accordingly, measures that allow for archaeological data recovery as a form of mitigative treatment are recommended in the event a previously unrecorded archaeological site is identified during construction and the resource is determined to be significant.

RECOMMENDATIONS AND CONCLUSIONS

Archaeological Resources

Given the moderate to high sensitivity for an archaeological resource within the Development Area, SWCA recommends substituting Section I of Mitigation Measure 4.4-2 of the Program EIR MMP and implementing Section J of Mitigation Measure 4.4-2 of the Program EIR MMP. Section I of Mitigation Measure 4.4-2 requires an archaeological monitor to be present during excavations and provide archaeological sensitivity training to construction personnel prior to initiating construction. This will ensure any archaeological resources that may be present are identified by qualified monitors. No other portions of Mitigation Measure 4.4-2 are recommended to reduce potentially significant impacts because the provisions apply to resources identified before Project construction.

The substitute measure maintains the same requirements in Section I of Mitigation Measure 4.4-2 and adds a provision that requires the qualified archaeologist to prepare a Monitoring Plan. The Monitoring Plan provides details on the implementation of the archaeological monitoring and worker training, as well as the inadvertent discovery protocol described in Section J of Mitigation Measure 4.4-2. Because Native American archaeological resources potentially encountered in the Project Site may also be a tribal cultural resource, SWCA recommends that the Monitoring Plan address both archaeological and tribal cultural resources by incorporating the same requirements described for the "cultural resources monitoring program (CRMP)" as defined in Mitigation Measure 4.15(a). Moreover, because the mitigation measures for each type of resource require equivalent actions to be taken, a Monitoring Plan that addresses both types of resources together will help to ensure consistency during implementation of the mitigation measures. The potential for impacts to an archaeological or tribal cultural resource is the same if the mitigation measures are implemented according to the Monitoring Plan. Thus, substituting Section I of Mitigation Measure 4.4-2 is more effective and will not cause a new significant impact.

Accordingly, SWCA finds that the substitute mitigation measure and Section J of Mitigation Measure 4.4-2 of the Program EIR MMP would reduce potentially significant impacts to archaeological resources to less-than-significant levels.

Substitute Mitigation Measure

> Prior to issuance of a grading permit and prior to the start of any ground-disturbing activity, the applicant shall retain a qualified archaeologist who meets the Secretary of the Interior's Professional Qualification Standards to oversee an archaeological monitor who shall be present during construction excavations, such as demolition, clearing/grubbing, grading, trenching, or any other construction excavation activity associated with the project, including peripheral activities, such as sidewalk replacement, utilities work, and landscaping, which may occur adjacent to the project site. The frequency of monitoring shall be based on the rate of excavation and grading activities, the materials being excavated (younger sediments vs. older sediments), the depth of excavation, and, if found, the abundance and type of archaeological resources encountered. Full-time monitoring may be reduced to part-time inspections, or ceased entirely, if determined adequate by the qualified archaeologist. Prior to commencement of excavation activities, Archaeological Sensitivity Training shall be given for construction personnel. The training session shall be carried out by the qualified archaeologist and shall focus on how to identify archaeological resources that may be encountered during earthmoving activities and the procedures to be followed in such an event.

The details of the monitoring and training shall be summarized in an Archaeological and Tribal Cultural Resources Monitoring Plan (Monitoring Plan) prepared by the qualified archaeologist, in consultation with all interested Tribes, prior to the commencement of ground disturbing activities for the project. The Monitoring Plan shall include compliance with Section J of Mitigation Measures 4.4-2 and Mitigation Measure 4.15-1(b), including the portions referring to the implementation of a Cultural Resources Monitoring Program (CRMP). The Monitoring Plan will provide details regarding the process for infield treatment of inadvertent discoveries of archaeological and tribal cultural resources and the disposition of inadvertently discovered non-funerary resources, and shall be consistent with the treatment of unique archaeological resources in PRC Section 21083.2.

Program EIR Mitigation Measure

Mitigation Measure 4.4-2. Archaeological Resources

J. In the event that historic (e.g., bottles, foundations, refuse dumps/privies, railroads, etc.) or prehistoric (e.g., hearths, burials, stone tools, shell and faunal bone remains, etc.) archaeological resources are unearthed, ground-disturbing activities shall be halted or diverted away from the vicinity of the find so that the find can be evaluated. A 50-foot buffer within which construction activities shall not be allowed to continue shall be established by the qualified archaeologist around the find. Work shall be allowed to continue outside of the buffer area. All archaeological resources unearthed by project development activities shall be evaluated by the qualified archaeologist. If a resource is determined by the qualified archaeologist to constitute a "historical resource" pursuant to CEQA Guidelines Section 15064.5(a) or a "unique archaeological resource" pursuant to Public Resources Code Section 21083.2(g), the qualified archaeologist shall coordinate with the applicant and the City to develop a formal treatment plan that would serve to reduce impacts to the resources. The treatment plan established for the resources shall be in accordance with CEQA Guidelines Section 15064.5(f) for historical resources and Public Resources Code Sections 21083.2(b) for unique archaeological resources. Preservation in place (i.e., avoidance) is the preferred manner of treatment. If, in coordination with the City, it is determined that preservation in place is not feasible, appropriate treatment of the resource shall be developed by the qualified archaeologist in coordination with the City and may include implementation of archaeological data recovery excavations to remove the resource along with subsequent laboratory processing and analysis. Any archaeological material collected shall be curated at a public, non-profit institution with a research interest in the materials, if such an institution agrees to accept the material. If no institution accepts the archaeological material, they shall be donated to a local school, Tribe, or historical society in the area for educational purposes.

Tribal Cultural Resources

Given the sensitivity for a tribal cultural resource within portions of the Development Area, SWCA recommends substituting Mitigation Measure 4.15-1(b) of the Program EIR MMP. Mitigation Measure 4.15-1(b) outlines a process to be followed in the event a potential tribal cultural resource is discovered. The performance standards included in Mitigation Measure 4.15-1(b) are based on the following requirements: temporarily halting work within a radius of 50 feet until the discovery can be assessed by a Qualified Archaeologist and affiliated tribes; retaining a tribal monitor if a tribal cultural resource is identified; identifying appropriate treatment consistent with existing regulations and in consultation with affiliated tribes; observing confidentiality requirements concerning the discovered resource, and; allowing

for adequate documentation of scientific information when applicable. The substitute measure TRC-MM-1 includes provisions that satisfy the same minimum requirements in Mitigation Measure 4.15-1(b) but adds requirements for worker training and tribal monitoring in areas with sensitivity for tribal cultural resources. The substitute measure includes elements of the three measures requested by the Gabrieleño Band of Mission Indians—Kizh Nation, specifically the elements stipulating the requirements for and methods used by a tribal monitor during ground-disturbing activities. The other elements of the measures requested by the Gabrieleño Band of Mission Indians—Kizh Nation are addressed in the other provisions of the substitute measure based on the minimum requirements incorporated from Mitigation Measure 4.15-1(b), such as requirements for tribal consultation while assessing potential tribal cultural resources and identifying appropriate forms of treatment for confirmed resources. The substitute measure also incorporates additional details to clarify the performance standards and ensure compliance with existing regulations, conformance with industry standards and best practices, and compatibility with other mitigation measures for the Project, specifically those for archaeological resources.

The substitute mitigation measure and Section J of Mitigation Measure 4.4-2 require an archaeological monitor to be present during excavations, provide archaeological sensitivity training to construction personnel prior to initiating construction, and then follow an archaeological resource discovery protocol. Details on these procedures would be described in a Monitoring Plan that SWCA recommends be included as part of the substitute measure. The provisions in these measures would apply to a Native American site, feature, or object that may also be a tribal cultural resource. Implementation of substitute measure TCR-MM-1 would ensure that any potential tribal cultural resources discovered during Project activities would be assessed as a tribal cultural resource and subject to appropriate forms of treatment. Specific procedures to implement the inadvertent discovery protocol would already be included in the Monitoring Plan, which would function in the same capacity as and incorporate all performance standards as the CRMP defined in Mitigation Measure 4.15-1(b).

By maintaining the same minimum requirements in Mitigation Measure 4.15-1(b) and adding requirement to conduct tribal monitoring, consistent with the sensitivity assessment and measures requested by the Gabrieleño Band of Mission Indians—Kizh Nation, the substitute mitigation measure TCR-MM-1 is more effective and will not cause a new significant impact to tribal cultural resources. Accordingly, when implemented in conjunction with the substitute measure and Section J of Mitigation Measure 4.4-2, SWCA finds that substitute mitigation measures TCR-MM-1, would reduce potentially significant impacts to tribal cultural resources to less-than-significant levels.

Substitute Mitigation Measure

> **Mitigation Measure TCR-MM-1:** Prior to commencing any Ground Disturbance Activities at the Project Site, the Applicant, or its successor, shall retain a qualified tribal monitor from the Gabrieleño Band of Mission Indians—Kizh Nation (Tribe). Ground Disturbance Activities shall include demolition, excavating, digging, trenching, plowing, drilling, tunneling, quarrying, grading, leveling, clearing, driving posts, augering, backfilling, blasting, stripping topsoil, potholing, pavement removal, grubbing, tree removals, boring or a similar activity at the project site. Prior to the commencement of any Ground Disturbance Activities, the Applicant and the Tribe shall execute an agreement for a tribal monitor at a reasonable rate, determined in good faith, consistent with industry standards, taking into account factors such as the scope and duration of the Project and substantial evidence for the presence or absence of tribal cultural resources. If the terms of service cannot be agreed upon, or if no response is received within 10 days of soliciting a request, the Applicant may contact another California Native American tribe included on the Native American Heritage Commission's Tribal Contact List and request the services of a tribal monitor.

Prior to commencing any Ground Disturbance Activities, the tribal monitor, shall provide Worker Environmental Awareness Program (WEAP) training to construction crews involved in Ground Disturbance Activities that includes information on regulatory requirements for the protection of tribal cultural resources. As part of the WEAP training, construction crews shall be briefed on proper procedures to follow should a crew member discover tribal cultural resources during Ground Disturbance Activities. In addition, workers will be shown examples of the types of resources that would require notifying the tribal monitor. The Applicant shall maintain on the Project Site, for potential City inspection, documentation establishing the WEAP training was completed for all members of the construction crew involved in Ground Disturbance Activities.

The tribal monitor shall observe Ground Disturbance Activities on the Project Site when they are taking place in sediments capable of containing tribal cultural resources, as determined by a Qualified Archaeologist in consultation with the Tribe and supported by substantial evidence. The tribal monitor(s) will complete daily monitoring logs that will provide descriptions and locations of the relevant Ground Disturbing Activities, the type of construction activities performed, soil types, cultural-related materials, and any other facts, conditions, materials, or discoveries of significance to the Tribe. Monitor logs will identify and describe any discovered tribal cultural resources as defined in California Public Resources Code Section 21074. Copies of monitor logs will be provided to the project applicant and/or the City upon request to the Tribe(s). The tribal monitoring shall end when either 1) confirmation is received from the Applicant, in writing, that all scheduled activities pertaining to tribal monitoring and all Ground Disturbance Activities are completed; or 2) the Tribe(s) provides a determination, in writing and supported by substantial evidence, that no future, planned construction activity, and/or development/construction phase at the project site possesses the potential to impact any tribal cultural resources.

In the event that any objects or artifacts that may be tribal cultural resources are encountered during the course of any Ground Disturbance Activities, all such activities shall temporarily cease within the area of discovery, the radius of which shall be 50 feet or otherwise determined by the Qualified Archaeologist in consultation with the tribal monitor, until the potential tribal cultural resource is properly assessed and addressed pursuant to the process set forth below:

1. If the Qualified Archaeologist and Tribe determine the resources are Native American in origin, the Tribe will recommend steps for treatment of all discovered tribal cultural resources in the form and/or manner the Tribe deems appropriate, in the Tribe's reasonable discretion, and for any purpose the Tribe deems appropriate, including for educational, cultural and/or historic purposes.

2. The Applicant shall implement the Tribe's recommendations if the Qualified Archaeologist concludes that the Tribe's recommendations are reasonable and feasible. In addition to any recommendations from the Tribe(s), the Qualified Archaeologist shall develop a list of actions that shall be taken to avoid or minimize impacts to the identified tribal cultural resources substantially in compliance with any applicable federal, state or local law, rule or regulation, including but not limited to Public Resources Code Section 21083.2.

3. Ground Disturbance Activities may recommence outside of the specified radius of the discovery site, so long as this radius has been reviewed by both the archaeological monitor and tribal monitor(s) and determined to be reasonable and appropriate, and so long as the Applicant has complied with all of the

recommendations developed and approved pursuant to the process set forth in Paragraphs 1 and 2 above.

4. Copies of any subsequent archaeological study, tribal cultural resources study or report, detailing the nature of any significant tribal cultural resources, remedial actions taken, and disposition of any significant tribal cultural resources shall be submitted to the South Central Coastal Information Center at California State University, Fullerton and to the Native American Heritage Commission for inclusion in its Sacred Lands File.

5. Notwithstanding Paragraph 4 above, any information that Los Angeles Department of City Planning, in consultation with the Los Angeles City Attorney's Office, determines to be confidential in nature shall not be published under the applicable provisions of the Government Code Sections 7929.000 and 7929.005, and subdivision (d) of Section 15120 of Title 14 of the California Code of Regulations.

6. Archaeological and Native American monitoring and excavation during construction projects will be consistent with current professional standards. All feasible care to avoid any unnecessary disturbance, physical modification, or separation of human remains and associated funerary objects shall be taken.

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Appendix A

California Historical Resources Information System
Search Results

PARTIALLY CONFIDENTIAL – NOT FOR PUBLIC DISTRIBUTION

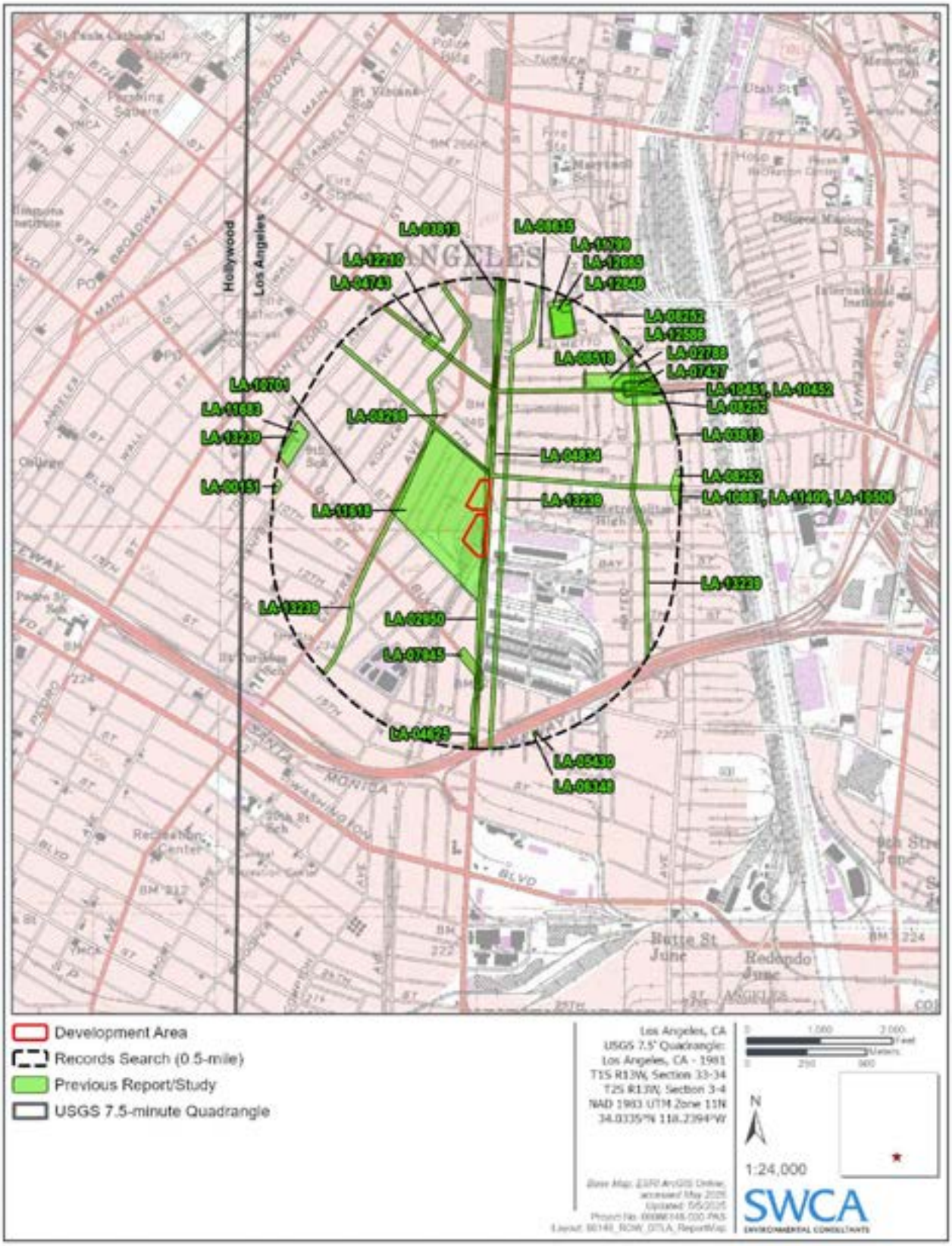

Figure A-1. CHRIS records search results map—previously conducted studies.

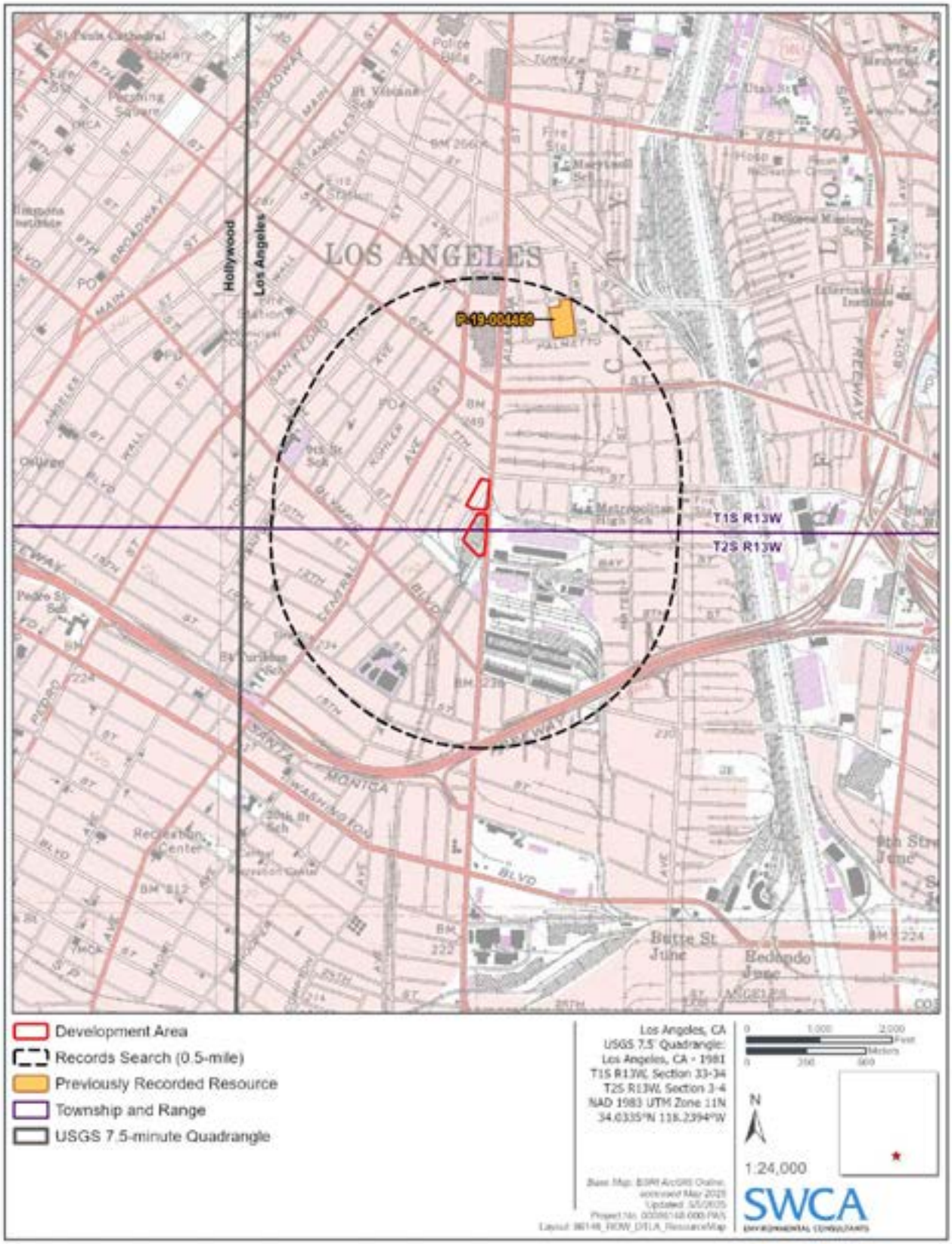

Figure A-2. CHRIS records search results map—previously recorded archaeological sites.

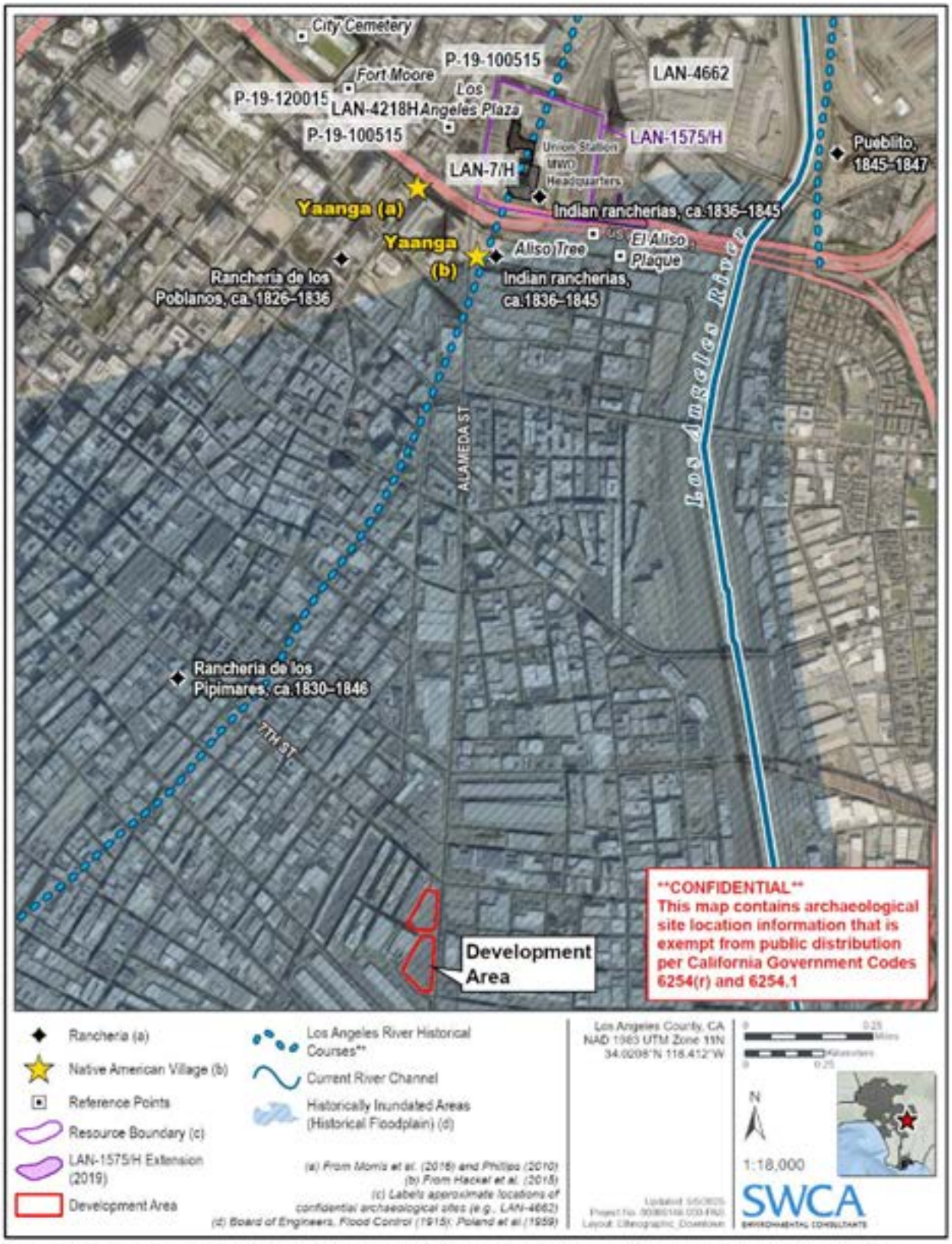

Figure A-3. Archaeological sites with Native American components and historical Gabrielino rancherias in the downtown Los Angeles area. Note: this map contains confidential site information.

Appendix B

Native American Heritage Commission
Sacred Lands File
Search Results Letter

NATIVE AMERICAN HERITAGE COMMISSION

CHAIRPERSON
Reginald Pagaling
Chumash

VICE-CHAIRPERSON
Buffy McQuillen
Yokayo Pomo, Yuki, Nomlaki

SECRETARY
Sara Dutschke
Miwok

PARLIAMENTARIAN
Wayne Nelson
Luiseño

COMMISSIONER
Isaac Bojorquez
Ohlone-Costanoan

COMMISSIONER
Stanley Rodriguez
Kumeyaay

COMMISSIONER
Laurena Bolden
Serrano

COMMISSIONER
Reid Milanovich
Cahuilla

COMMISSIONER
Vacant

EXECUTIVE SECRETARY
Raymond C. Hitchcock
Miwok, Nisenan

NAHC HEADQUARTERS
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Suite 100
West Sacramento,
California 95691
(916) 373-3710
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January 19, 2024

Erica Nicolay
SWCA Environmental Consultants

Via Email to: erica.nicolay@swca.com

Re: Row DTLA (86148) Project, Los Angeles County

Dear Ms. Nicolay:

A record search of the Native American Heritage Commission (NAHC) Sacred Lands File (SLF) was completed for the information submitted for the above referenced project. The results were positive. Please contact the Gabrieleno Band of Mission Indians – Kizh Nation on the attached list for information. Please note that tribes do not always record their sacred sites in the SLF, nor are they required to do so. A SLF search is not a substitute for consultation with tribes that are traditionally and culturally affiliated with a project's geographic area. Other sources of cultural resources should also be contacted for information regarding known and recorded sites, such as the appropriate regional California Historical Research Information System (CHRIS) archaeological Information Center for the presence of recorded archaeological sites.

Attached is a list of Native American tribes who may also have knowledge of cultural resources in the project area. This list should provide a starting place in locating areas of potential adverse impact within the proposed project area. Please contact all of those listed; if they cannot supply information, they may recommend others with specific knowledge. By contacting all those listed, your organization will be better able to respond to claims of failure to consult with the appropriate tribe. If a response has not been received within two weeks of notification, the Commission requests that you follow-up with a telephone call or email to ensure that the project information has been received.

If you receive notification of change of addresses and phone numbers from tribes, please notify the NAHC. With your assistance, we can assure that our lists contain current information.

If you have any questions or need additional information, please contact me at my email address: Andrew.Green@nahc.ca.gov.

Sincerely,

Andrew Green

Andrew Green
Cultural Resources Analyst

Attachment

Native American Heritage Commission
Native American Contact List
Los Angeles County
1/19/2024

Tribe Name	Fed (F) Non-Fed (N)	Contact Person	Contact Address	Phone #	Fax #	Email Address	Cultural Affiliation	Counties	Last Updated
Fernandeno Tataviam Band of Mission Indians	N	Sarah Brunzell, CRM Manager	1019 Second Street San Fernando, CA, 91340	(818) 837-0794		CRM@tataviam-nsn.us	Tataviam	Kern,Los Angeles,Ventura	5/25/2023
Gabrieleno Band of Mission Indians - Kizh Nation	N	Christina Swindall Martinez, Secretary	P.O. Box 393 Covina, CA, 91723	(844) 390-0787		admin@gabrielenoindians.org	Gabrieleno	Los Angeles,Orange,Riverside,San Bernardino,Santa Barbara,Ventura	8/18/2023
Gabrieleno Band of Mission Indians - Kizh Nation	N	Andrew Salas, Chairperson	P.O. Box 393 Covina, CA, 91723	(844) 390-0787		admin@gabrielenoindians.org	Gabrieleno	Los Angeles,Orange,Riverside,San Bernardino,Santa Barbara,Ventura	8/18/2023
Gabrieleno/Tongva San Gabriel Band of Mission Indians	N	Anthony Morales, Chairperson	P.O. Box 693 San Gabriel, CA, 91778	(626) 483-3564	(626) 286-1262	GTTribalcouncil@aol.com	Gabrieleno	Los Angeles,Orange,Riverside,San Bernardino,Ventura	12/4/2023
Gabrielino /Tongva Nation	N	Sandonne Goad, Chairperson	106 1/2 Judge John Aiso St., #231 Los Angeles, CA, 90012	(951) 807-0479		sgoad@gabrielino-tongva.com	Gabrielino	Los Angeles,Orange,Riverside,San Bernardino,Ventura	3/28/2023
Gabrielino Tongva Indians of California Tribal Council	N	Robert Dorame, Chairperson	P.O. Box 490 Bellflower, CA, 90707	(562) 761-6417	(562) 761-6417	gtongva@gmail.com	Gabrielino	Los Angeles,Orange,Riverside,San Bernardino,Santa Barbara,Ventura	3/16/2023
Gabrielino Tongva Indians of California Tribal Council	N	Christina Conley, Cultural Resource Administrator	P.O. Box 941078 Simi Valley, CA, 93094	(626) 407-8761		christina.marsden@alumni.usc.edu	Gabrielino	Los Angeles,Orange,Riverside,San Bernardino,Santa Barbara,Ventura	3/16/2023
Gabrielino-Tongva Tribe	N	Sam Dunlap, Cultural Resource Director	P.O. Box 3919 Seal Beach, CA, 90740	(909) 262-9351		tongvatcr@gmail.com	Gabrielino	Los Angeles,Orange,Riverside,San Bernardino,Ventura	5/30/2023
Gabrielino-Tongva Tribe	N	Charles Alvarez, Chairperson	23454 Vanowen Street West Hills, CA, 91307	(310) 403-6048		Chavez1956metro@gmail.com	Gabrielino	Los Angeles,Orange,Riverside,San Bernardino,Ventura	5/30/2023

Native American Heritage Commission
Native American Contact List
Los Angeles County
1/19/2024

Santa Rosa Band of Cahuilla Indians	F	Lovina Redner, Tribal Chair	P.O. Box 391820 Anza, CA, 92539	(951) 659-2700	(951) 659-2228	lsaul@santarosa-nsn.gov	Cahuilla	Imperial,Los Angeles,Orange,Riverside,San Bernardino,San Diego	
Soboba Band of Luiseno Indians	F	Joseph Ontiveros, Tribal Historic Preservation Officer	P.O. Box 487 San Jacinto, CA, 92581	(951) 663-5279	(951) 654-4198	jontiveros@soboba-nsn.gov	Cahuilla Luiseno	Imperial,Los Angeles,Orange,Riverside,San Bernardino,San Diego	7/14/2023
Soboba Band of Luiseno Indians	F	Jessica Valdez, Cultural Resource Specialist	P.O. Box 487 San Jacinto, CA, 92581	(951) 663-6261	(951) 654-4198	jvaldez@soboba-nsn.gov	Cahuilla Luiseno	Imperial,Los Angeles,Orange,Riverside,San Bernardino,San Diego	7/14/2023

This list is current only as of the date of this document. Distribution of this list does not relieve any person of statutory responsibility as defined in Section 7050.5 of the Health and Safety Code, Section 5097.94 of the Public Resource Section 5097.98 of the Public Resources Code.

This list is only applicable for contacting local Native Americans with regard to cultural resources assessment for the proposed Row DTLA (86148) Project, Los Angeles County.

Record: PROJ-2024-000343
Report Type: List of Tribes
Counties: Los Angeles
NAHC Group: All

Appendix C

Tribal Notification Materials
(Non-Confidential)

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July 18, 2025

Andrew Salas
Chairperson
Gabrieleño Band of Mission Indians – Kizh Nation
P.O. Box 393
Covina, CA 91723

Also submitted via email: admin@gabrielenoindians.org

Re: Notification and Information Request for the ROW DTLA Residential Project, Housing Element CEQA Streamlining Checklist, City of Los Angeles, California

Project Address: 757–787 South Alameda Street, 1318–1396 East 7th Street, 736–796 South Central Avenue, 1301–1327 East 8th Street, 700–760 South Market Court, 720–746 South Terminal Street, and 760 South Warehouse Street

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Attn: Chris Millington
320 North Halstead Street, Suite 120
Pasadena, California 91107
Email: cmillington@swca.com

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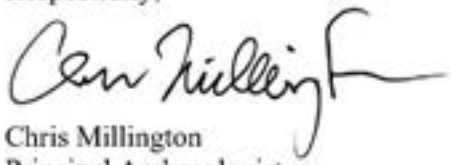

Chris Millington
Principal Archaeologist

Attachments: Project vicinity map; Project aerial and street map; Project plans

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July 18, 2025

Anthony Morales
Chairperson
Gabrielino/Tongva San Gabriel Band of Mission Indians
P.O. Box 693
San Gabriel, CA 91778

Also submitted via email: GTTribalcouncil@aol.com

Re: Notification and Information Request for the ROW DTLA Residential Project, Housing Element CEQA Streamlining Checklist, City of Los Angeles, California

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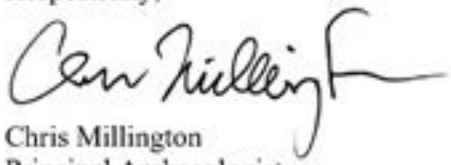

Chris Millington
Principal Archaeologist

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July 18, 2025

Charles Alvarez
Gabrielino-Tongva Tribe
23454 Vanowen Street
West Hills, CA 91307

Also submitted via email: roadkingcharles@aol.com

Re: Notification and Information Request for the ROW DTLA Residential Project, Housing Element CEQA Streamlining Checklist, City of Los Angeles, California

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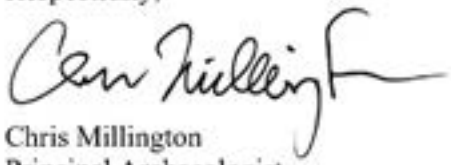

Chris Millington
Principal Archaeologist

Attachments: Project vicinity map; Project aerial and street map; Project plans

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July 18, 2025

Donna Yocum
Chairperson
San Fernando Band of Mission Indians
P.O. Box 221838
Newhall, CA 91322

Also submitted via email: ddyocum@comcast.net

Re: Notification and Information Request for the ROW DTLA Residential Project, Housing Element CEQA Streamlining Checklist, City of Los Angeles, California

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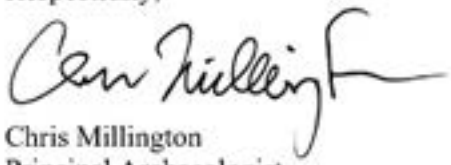

Chris Millington
Principal Archaeologist

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July 18, 2025

Isaiah Vivanco
Chairperson
Soboba Band of Luiseño Indians
P.O. Box 487
San Jacinto, CA 92581

Also submitted via email: ivivanco@soboba-nsn.gov

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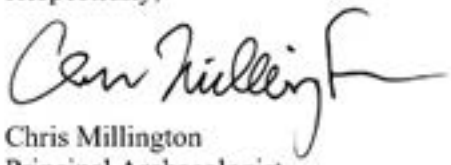

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July 18, 2025

Miguel Luna
THCP Director
Fernandeño Tataviam Band of Mission Indians
1019 Second Street, Ste. 1
San Fernando, CA 91340

Also submitted via email: miguel.luna@tataviam-nsn.us

Re: Notification and Information Request for the ROW DTLA Residential Project, Housing Element CEQA Streamlining Checklist, City of Los Angeles, California

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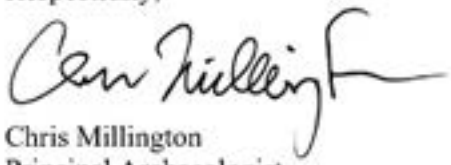
Attn: Chris Millington
320 North Halstead Street, Suite 120
Pasadena, California 91107
Email: cmillington@swca.com

Respectfully,



Chris Millington
Principal Archaeologist

Attachments: Project vicinity map; Project aerial and street map; Project plans

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Pasadena, California 91107
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www.swca.com

July 18, 2025

Robert F. Dorame
Chairperson
Gabrielino Tongva Indians of California Tribal Council
P.O. Box 490
Bellflower, CA 90707

Also submitted via email: gtongva@gmail.com

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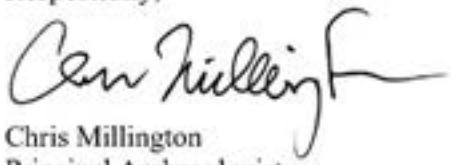

Chris Millington
Principal Archaeologist

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Pasadena, California 91107
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July 18, 2025

Rudy Ortega
Tribal President
Fernandeño Tataviam Band of Mission Indians
1019 Second Street, Ste. 1
San Fernando, CA 91340

Also submitted via email: thcp@tataviam-nsn.us

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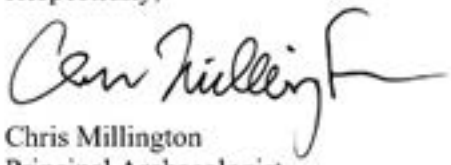

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July 18, 2025

Sandonne Goad
Chairperson
Gabrielino/Tongva Nation
106 1/2 Judge John Aiso St., #231
Los Angeles, CA 90012

Also submitted via email: sgoad@gabrielino-tongva.com

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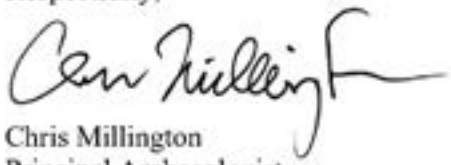

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July 18, 2025

Thomas Tortez
Chairperson
Torres Martinez Desert Cahuilla Indians
PO Box 1160
Thermal, CA 92274

Also submitted via email: tmchair@torresmartinez.org

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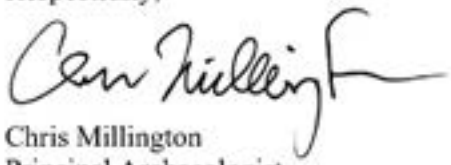

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Principal Archaeologist

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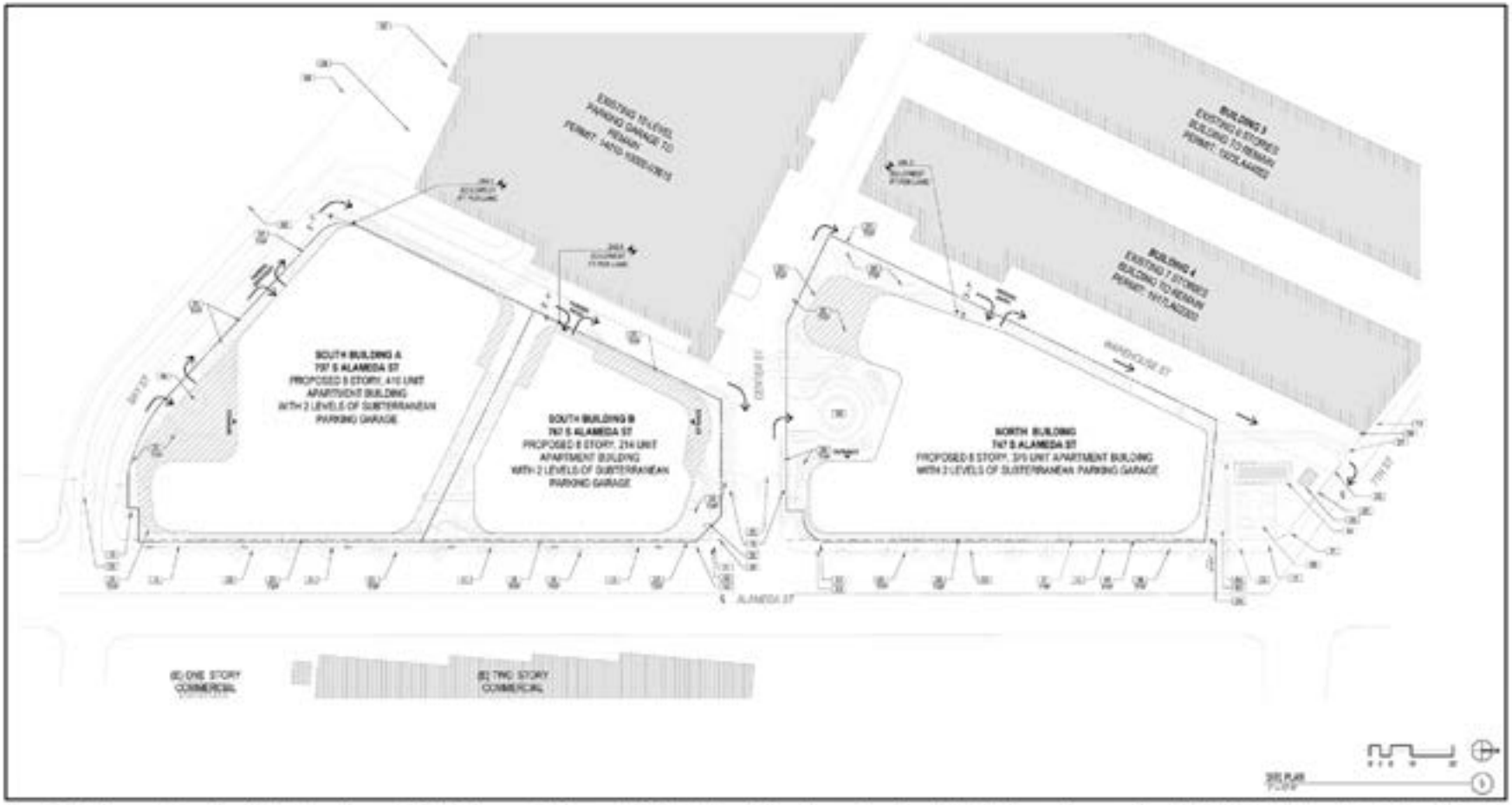
Project location map.



Project plans showing the location of Buildings A, B, and C (bold outlines) and extant buildings to remain in the Site (shaded). Note that north is to the right with Alameda Street along the bottom of the frame and Bay Street on the left.

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07/18/2025

Sent To: Sandonne Goad, Gabrielino/Tongva
Street and Apt. No., or PO Box No.: 106 1/2 Judge John Aiso St. # 231
City, State, ZIP+4®: Los Angeles CA 90012

PS Form 3800, January 2023 PSN 7530-02-000-9047 See Reverse for Instructions

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☐ Adult Signature Restricted Delivery	$
Postage	$0.78
Total Postage and Fees	$10.48

0607 31
Postmark Here
JUL 18 2025
07/18/2025

Sent To: Andrew Salas, Gabrieleño Band
Street and Apt. No., or PO Box No.: PO Box 393
City, State, ZIP+4®: Covina CA 91723

PS Form 3800, January 2023 PSN 7530-02-000-9047 See Reverse for Instructions

9589 0710 5270 2803 3452 24

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Sent To: Thomas Tortez, Torres Martinez Desert Cahuilla Indians
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☐ Adult Signature Restricted Delivery	$
Postage	$0.78
Total Postage and Fees	$10.48

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Sent To: Anthony Morales, Gabrielino/Tongva
Street and Apt. No., or PO Box No.: PO Box 693
City, State, ZIP+4®: San Gabriel CA 91778

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☐ Return Receipt (electronic)	$0.00
☐ Certified Mail Restricted Delivery	$0.00
☐ Adult Signature Required	$0.00
☐ Adult Signature Restricted Delivery	$
Postage	$0.78
Total Postage and Fees	$10.48

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Sent To: Miguel Luna Fernandeño Tataviam Band
Street and Apt. No., or PO Box No.: 1019 Second Street, Suite 1
City, State, ZIP+4®: San Fernando CA 91340

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☐ Adult Signature Restricted Delivery	$
Postage	$0.78
Total Postage and Fees	$10.48

0607 31
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JUL 18 2025
07/18/2025

Sent To: Rudy Ortega, Fernandeño Tataviam Band
Street and Apt. No., or PO Box No.: 1019 Second Street, Suite 1
City, State, ZIP+4®: San Fernando CA 91340

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Sent To: Isaiah Vivanco, Soboba Band of Luiseño Indians
Street and Apt. No., or PO Box No.: PO Box 487
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☐ Certified Mail Restricted Delivery	$0.00
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☐ Adult Signature Restricted Delivery	$
Postage	$0.78
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Sent To: Robert F. Dorame, Gabrielino Tongva
Street and Apt. No., or PO Box No.: PO Box 490
City, State, ZIP+4®: Bellflower CA 90707

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Sent To: Charles Alvarez, Gabrielino-Tongva Tribe
Street and Apt. No., or PO Box No.: 23454 Vanowen Street
City, State, ZIP+4®: West Hills CA 91307

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☐ Adult Signature Restricted Delivery	$
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Sent To: Donna Yocum, San Fernando Band
Street and Apt. No., or PO Box No.: PO Box 221838
City, State, ZIP+4®: Newhall CA 91322

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From: Chris Millington
To: roadkingcharles@aol.com; Chavez1956metro@gmail.com
Subject: Notification Letter for the ROW DTLA Residential Project, Los Angeles
Date: Monday, August 4, 2025 9:47:00 AM
Attachments: ROW DTLA - Tribal Outreach Letter_Charles Alvarez.pdf
image001.png

Greetings Mr. Alvarez,

My name is Chris Millington, and I am an archaeologist with SWCA Environmental Consultants based out of Pasadena. You and I have not been introduced, nor have we had any meaningful correspondence, so please forgive the formal nature of this email as an introduction. We recently attempted to send you an outreach letter using the address we were given by the NAHC and City of Los Angeles. The letter was returned as undeliverable, so I am attaching an electronic version as a pdf.

The attached letter provides information on the ROW DTLA Residential Project being assessed through the City's Housing Element CEQA Streamlining process, which requires that notification letters be provided to local tribal representatives, including yourself. If you wish to respond, you are welcome reply to this email or call at either of the numbers listed below.

Thank you in advance for your consideration and I hope we can connect in some capacity in the future.

Best,
Chris

Chris Millington, M.A.
Principal Archaeologist
Project Manager
Registered Professional Archaeologist 32790536

SWCA Environmental Consultants
320 N. Halstead Street, Suite 120
Pasadena, CA 91105
P 626.489.3673 | C 505.507.7268 | cmillington@swca.com
www.swca.com

SWCA
ENVIRONMENTAL CONSULTANTS

The contents of this email and any associated emails, information, and attachments are CONFIDENTIAL. Use or disclosure without sender's authorization is prohibited. If you are not an authorized recipient, please notify the sender and then immediately delete the email and any attachments.

Chris Millington

From: Microsoft Outlook
To: roadkingcharles@aol.com
Sent: Monday, August 4, 2025 9:48 AM
Subject: Undeliverable: Notification Letter for the ROW DTLA Residential Project, Los Angeles

Your message to roadkingcharles@aol.com couldn't be delivered.

When Office 365 tried to send your message, the receiving email server outside Office 365 reported an error.

cmillington	**Office 365**	**roadkingcharles**
Sender		**Action Required**
		Policy violation or system error

How to Fix It

Check the "Reported Error" from the "Error Details" section shown below for more information about the problem. The error might tell you what went wrong and how to fix it. For example, if the error states that the message was blocked due to a potential virus or because the message was too large, try sending the message again without attachments.

If you're not able to fix the problem, it's likely that only the recipient's email admin can fix it. Contact the recipient by some other means (by phone, for example) and ask them to tell their email admin about the problem. Give them the "Reported Error" from the "Error Details" section below.

Was this helpful? Send feedback to Microsoft

More Info for Email Admins

Status code: 550 5.0.350

The error reported by the receiving server wasn't specific enough to determine the exact

nature of the problem. These errors often indicate the message violates a security or policy setting configured on the recipient's email servers.

If the sender is unable to fix the problem by modifying their message, then it's likely a problem that only the recipient's email admin can fix. Try the following:

Check the error for information about the problem - The "Reported Error" returned by the external email server can be found in the "Error Details" section below. This error might tell you what went wrong and provide clues for how to fix it. For example, if the error states the message was rejected due a Sender Policy Framework (SPF) issue, then you'll have to work with your domain registrar to correctly configure your domain's SPF records.

Check the error for information about where the problem is happening - For example, look for a domain name like contoso.com. A domain name in the error might suggest who is responsible for the error. It could be the recipient's email server, or it could be a third-party service that your organization or the recipient's organization is using to process or filter email messages.

If you can't fix the problem, contact the responsible party's email admin - Give them the error code and error message from this non-delivery report (NDR) to help them troubleshoot the issue. For security or policy violation issues, it might be sufficient for them to just add your sending IP addresses or domain to their allowed senders list.

It's likely that only the recipient's email admin can fix the problem. Unfortunately, it's unlikely Office 365 Support will be able to help with these kinds of externally reported errors.

Original Message Details

Created Date:	8/4/2025 4:47:59 PM
Sender Address:	cmillington@swca.com
Recipient Address:	roadkingcharles@aol.com
Subject:	Notification Letter for the ROW DTLA Residential Project, Los Angeles

Error Details

Error:	*550 5.0.350 Remote server returned an error -> 554 30 Sorry, your message to roadkingcharles@aol.com cannot be delivered. This mailbox is disabled (554.30).*
Message rejected by:	mtaproxy212.aol.mail.bf1.yahoo.com

Notification Details

Sent by:	*BY3PR19MB5042.namprd19.prod.outlook.com*

Message Hops

HOP	TIME (UTC)	FROM	TO	WITH

Appendix D

Tribal Correspondence (CONFIDENTIAL)

This appendix contains **confidential information** submitted by a California Native American tribe that is considered in the environmental review but is exempt from public disclosure consistent with Public Resources Code Section 21082.3(c). This appendix is omitted from publicly circulated drafts of this report.

From: Chris Millington
To: Gabrieleno Administration
Subject: RE: ROW DTLA Residential Project
Date: Monday, July 28, 2025 1:50:00 PM

Greetings,

I suppose who I refer you to depends on the nature of the request. The lead agency for the ROW DTLA Residential Project is the City of Los Angeles Planning Department, and the outreach letter we sent is part of the Housing Element CEQA streamlining process. That process allows the Project applicant (or their consultant) to send notification letters and request any information to be considered, rather than being government-to-government consultation as it is under AB 52 or SB 18, for example. There are other differences between this and the AB 52 process. SWCA was asked to submit the letters, gather responses, and provide information if it is requested where it concerns the ROW DTLA Residential Project.

If you would like to talk with the planner assigned to the ROW DTLA Residential Project, I can certainly forward the request. I will still be obligated to follow-up with you to confirm whether you have any other project related questions, if you would like additional information on anything, if there is information that you think we should be considering, or if you have any other comments or requests. And if you prefer to schedule a conference call to discuss, then I can arrange this as well. Some questions I may be able to answer, others I would defer to the appropriate project staff. Let me know if you have any comments or questions related to the ROW DTLA Residential Project.

Otherwise, if you have questions about the overall process, then that would be a different contact than the planner for this project.

Call if you need to and thanks for the message.

Best,
Chris

Chris Millington
Principal Archaeologist
SWCA Environmental Consultants
P 626.489.3673 | C 505.507.7268
cmillington@swca.com

From: Gabrieleno Administration <admin@gabrielenoindians.org>
Sent: Monday, July 28, 2025 1:10 PM
To: Chris Millington <cmillington@swca.com>
Subject: ROW DTLA Residential Project

Dear Chris Milington,

Can you please provide the lead agencies contact information.

Tribal MMs (Kizh Nation)

TCR-1: Retain a Native American Monitor Prior to Commencement of Ground-Disturbing Activities

The project applicant/lead agency shall retain a Native American Monitor from or approved by the Gabrieleño Band of Mission Indians – Kizh Nation. The monitor shall be retained prior to the commencement of any "ground-disturbing activity" for the subject project at all project locations (i.e., both on-site and any off-site locations that are included in the project description/definition and/or required in connection with the project, such as public improvement work). "Ground-disturbing activity" shall include, but is not limited to, demolition, pavement removal, potholing, auguring, grubbing, tree removal, boring, grading, excavation, drilling, and trenching.

A copy of the executed monitoring agreement shall be submitted to the lead agency prior to the earlier of the commencement of any ground-disturbing activity, or the issuance of any permit necessary to commence a ground-disturbing activity.

The monitor will complete daily monitoring logs that will provide descriptions of the relevant ground-disturbing activities, the type of construction activities performed, locations of ground-disturbing activities, soil types, cultural-related materials, and any other facts, conditions, materials, or discoveries of significance to the Tribe. Monitor logs will identify and describe any discovered TCRs, including but not limited to, Native American cultural and historical artifacts, remains, places of significance, etc., (collectively, tribal cultural resources, or "TCR"), as well as any discovered Native American (ancestral) human remains and burial goods. Copies of monitor logs will be provided to the project applicant/lead agency upon written request to the Tribe.

On-site tribal monitoring shall conclude upon the latter of the following (1) written confirmation to the Kizh from a designated point of contact for the project applicant/lead agency that all ground-disturbing activities and phases that may involve ground-disturbing activities on the project site or in connection with the project are complete; or (2) a determination and written notification by the Kizh to the project applicant/lead agency that no future, planned construction activity and/or development/construction phase at the project site possesses the potential to impact Kizh TCRs.

TCR-2: Unanticipated Discovery of Tribal Cultural Resource Objects (Non-Funerary/Non-Ceremonial)

Upon discovery of any TCRs, all construction activities in the immediate vicinity of the discovery shall cease (i.e., not less than the surrounding 50 feet) and shall not resume until the discovered TCR has been fully assessed by the Kizh monitor and/or Kizh archaeologist. The Kizh will recover and retain all discovered TCRs in the form and/or

manner the Tribe deems appropriate, in the Tribe's sole discretion, and for any purpose the Tribe deems appropriate, including for educational, cultural and/or historic purposes.

TCR-3: Unanticipated Discovery of Human Remains and Associated Funerary or Ceremonial Objects

Native American human remains are defined in PRC 5097.98 (d)(1) as an inhumation or cremation, and in any state of decomposition or skeletal completeness. Funerary objects, called associated grave goods in Public Resources Code Section 5097.98, are also to be treated according to this statute.

If Native American human remains and/or grave goods are discovered or recognized on the project site, then Public Resource Code 5097.9 as well as Health and Safety Code Section 7050.5 shall be followed.

Human remains and grave/burial goods shall be treated alike per California Public Resources Code section 5097.98(d)(1) and (2).

Preservation in place (i.e., avoidance) is the preferred manner of treatment for discovered human remains and/or burial goods.

Any discovery of human remains/burial goods shall be kept confidential to prevent further disturbance.

Appendix D.5

Cultural Resources

Cultural Resources Assessment for the ROW DTLA Residential Project, Los Angeles, California

NOVEMBER 2025

PREPARED FOR

Alameda Square Owner LLC

PREPARED BY

SWCA Environmental Consultants

Cultural Resources Assessment for the ROW DTLA Residential Project, Los Angeles, California

Prepared for

Alameda Square Owner LLC
1318 E. 7th Street, Suite 200
Los Angeles, CA 90021

Prepared by

Chris Millington, M.A., RPA
and
Erica Nicolay, M.A.

Principal Investigator

Chris Millington, M.A., RPA

SWCA Environmental Consultants
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SWCA Project No. 86148
SWCA Cultural Resources Report No. 23-74

November 4, 2025

Keywords: California Environmental Quality Act (CEQA); City and County of Los Angeles; archaeological and tribal cultural resources, literature search, archival research, geoarchaeological assessment; management/planning; 4.8 acres; Yaanga, Gabrielino; Zanja No. 2, Zanja No. 3; Feliz (Felix) Gallardo, Don Antonio Francisco Coronel; Township 1 South, Range 13 West, Section 22 and 27; U.S. Geological Survey (USGS) Los Angeles, California, 7.5-minute topographic quadrangle

EXECUTIVE SUMMARY

Purpose and Scope: SWCA Environmental Consultants (SWCA) prepared this cultural resources assessment for the proposed ROW DTLA Residential Project (the Project) in an industrialized area in the east of the Downtown Los Angeles, California. The Project proposes the demolition of existing surface parking lots and the construction of two mixed-use buildings, one multi-family building, and two subterranean parking structures. The proposed Project is within a portion of the existing ROW DTLA site (the "Project Site"), which comprises three parcels that measure approximately 30.65 acres. Ground disturbances for the Project would be limited to an approximately 4.8-acre portion of the Project Site referred to as the "Development Area." The Development Area consists of two areas, north and south of Center Street, on the west side of Alameda Street between 7th Street and Bay Street. Ground-disturbing activities for the Project include demolition of the existing surface parking lot and excavation to an average depth of 20 feet below grade for new subterranean parking structures within the northern and southern portions of the Development Area, as well as excavation to a depth of 28 feet below grade within discrete locations for elevator pits and associated footings. Because the potential for impacts to archaeological and tribal cultural resources is limited to those areas subject to ground-disturbing activities, this study primarily focuses on the Development Area.

The Project is subject to the California Environmental Quality Act (CEQA), and the City of Los Angeles (City) Department of City Planning (DCP) is the lead agency. The Los Angeles City Council certified the *Citywide Housing Element 2021-2029 and Safety Element Updates Final Environmental Impact Report* (Program EIR) (DCP 2021b). The proposed Project is within the scope of the Housing Element Program analyzed in the Program EIR, and the environmental clearance for the Project is being analyzed using the Housing Element CEQA Streamlining Checklist (Form CP-4089). The City adopted a Mitigation and Monitoring Program (MMP) for the Program EIR, which describes the procedures and stipulations for implementing mitigation measures to be imposed as conditions of approval by the City on discretionary projects. Mitigation Measures 4.4-2 and 4.15-1(a) of the MMP address archaeological resources and tribal cultural resources, respectively, and defines procedures to identify resources and implement applicable impact reduction techniques to reduce substantial adverse effects.

SWCA prepared this cultural resources assessment for the Project in compliance with Section A of Mitigation Measure 4.4-2 (Archaeological Resources) and Mitigation Measure 4.15-1(a) (Native American Consultation and Monitoring for Discretionary Projects) of the MMP. This report presents the results of a study conducted by a qualified archaeologist to determine if archaeological or tribal cultural resources are present within the Development Area, assess if resources are likely to be encountered within the Development Area, analyze the potential for the proposed Project to have significant impacts to archaeological and tribal cultural resources, and recommend mitigation measures to reduce impacts to less-than-significant levels to the extent feasible. The methods used in this study include a confidential records search of the California Historical Resources Information System (CHRIS), a Sacred Lands File (SLF) Search by the Native American Heritage Commission (NAHC), outreach to California Native American tribes, and research conducted by SWCA using archival and other materials. The information from these sources was used to assess if any new archaeological resources may be present within the Development Area. The impact analysis is based on the significance thresholds from the Environmental Checklist in Appendix G of CEQA Guidelines. The measures recommended herein are taken exclusively from the MMP for the Program EIR.

Dates of Investigation: The NAHC transmitted the results of their SLF search on January 19, 2024. The South Central Coastal Information Center (SCCIC) transmitted the results of their CHRIS search on February 8, 2024. Research and analysis for the Project was conducted by SWCA from January to December 2024. Notification letters were submitted to ten (10) California Native American tribes and delivered through the U.S. Postal Services via Certified Mail between July 21 and 25, 2025. Responses

were requested within two weeks of receipt. One response to the notification letters was received via email on July 28, 2025, and a reply sent on the same day, but no responses was received but the City was contacted by the Gabrieleño Band of Mission Indians-Kizh Nation. Between August and October 2025, the City correspondence with the Gabrieleño Band of Mission Indians-Kizh Nation via email and one conference call. As of November 4, 2025, no other responses to the notification letters have been received.

Summary of Findings: The SLF search was positive and in the response letter, the NAHC noted that the Gabrieleño Band of Mission Indians – Kizh Nation should be contacted for additional information regarding the results. The NAHC's response to SWCA's request included a list of 12 Native American contacts who may have knowledge of resources in or near the Development Area and recommended they be contacted. The Gabrieleño Band of Mission Indians – Kizh Nation received written notification of the Project on July 21, 2025. SWCA received a response to the letter via email on July 28, but no information pertaining specifically to the SLF results was provided. Through the email correspondence and conference call, the Gabrieleño Band of Mission Indians-Kizh Nation indicated they consider the Development Area to be sensitive and requested three measures. The measures include requirements for a Native American monitor during ground-disturbing activities (TCR-1), and protocols to follow in the event there is a discovery of a non-funerary/ceremonial tribal cultural resource (TCR-2) or human remains and funerary/ceremonial objects (TCR-3). No information was submitted by the Gabrieleño Band of Mission Indians-Kizh Nation that indicates there is a known tribal cultural resource in the Development Area, nor was any additional information submitted to support their sensitivity assessment.

The CHRIS records search was conducted for a 0.8-km (0.5-mile) radius surrounding the Development Area. There have been no archaeological resources or potential tribal cultural resources recorded within the Development Area. One historical archaeological site (CA-LAN-4660H) composed of mid- to late-nineteenth century components was identified 0.6 km (0.4 miles) to the northwest of the Development Area. SWCA noted five Native American archaeological sites (not previously assessed as tribal cultural resources) that have been recorded in the downtown Los Angeles area that were outside the CHRIS records boundary. SWCA also noted the presence of an industrial complex historically called the Los Angeles Union Wholesale Terminal, previously owned by the Southern Pacific Railroad (SPRR), which currently encompasses a total of eight buildings, including seven large industrial buildings that were constructed between 1917 and 1923 (collectively the "District"). The District is in the Project Site but the two paved surface parking lots within the Development Area were constructed in the 1980s and do not contribute to the District. The District was formally determined eligible for the National Register of Historic Places, making it automatically listed in the California Register of Historical Resources. The District is assessed for the current Project in a separate technical report prepared by Architectural Resources Group. There are no archaeological resources associated with the District and SWCA's CHRIS records search omitted non-archaeological resources.

Ethnographic sources described above have identified the Gabrielino village site of Yaanga as having been 2.25 km (1.4 miles) north of the Development Area. A second Gabrielino settlement known as Geveronga is described in ethnographic accounts as having been somewhere west of the Pueblo of Los Angeles. No physical traces of the Geveronga have ever been identified and the best approximation for its location is an area 44.46 km (2.8 miles) northwest of the Development Area. The location of the Development Area on the edge of the floodplain of the Los Angeles River and in reasonable proximity to a known Gabrielino settlement indicates that this area was more intensively used by Native Americans in the past compared to less intensively used areas within the traditional territory. More intensively used areas are more likely to produce physical evidence of those activities that can be preserved as archaeological deposits. The historical alterations documented within the Development Area have clearly reduced the likelihood that a Native American archaeological site may have once been present, but the potential for a buried site cannot be ruled out. Accordingly, SWCA finds the Development Area has

moderate sensitivity for Native American archaeological resources. This sensitivity is contained within alluvial sediments that are younger than 12,500 years in age. Sediments older than this are too old to contain Native American archaeological resources. The sensitivity for Native American archaeological resources is diminished within the fill sediments because of the historical land uses, but the sensitivity cannot be fully ruled out.

Historical land uses within the Development Area were assessed through archival research. During the nineteenth century, the Development Area was primarily used for agriculture. Two historical irrigation channels known as Zanja No. 2 and Zanja No. 3 are mapped near the Development Area, but archival sources indicate that neither of the zanjas passed directly through the Development Area. No buildings or structures were previously constructed within the Development Area during the nineteenth century. The agricultural activities are noteworthy in terms of the diminished potential for Native American archaeological sites, but the likelihood of substantial historical archaeological resources in the Development Area from before the 1900s is low. In the first decade of the twentieth century the Development Area was used for industrial purposes related to the Electric Railway Company and multiple buildings existed within the Development Area. However, by the 1920s, all these structures had been demolished and replaced with rail lines and a warehouse structure within the Development Area. The railroad tracks present within the Development Area were removed in the late 1970s and the industrial building present within the Development Area was demolished by the end of the 1980s. After these demolition events the Development Area was when the entire Development Area was converted into an at-grade parking lot.

The use of the Development Area as a rail yard for over 50 years suggests that if any physical materials are present within the Development Area, then they are likely associated with this land-use history. The paving of the Development Area may have preserved underlying deposits related to these activities, such as abandoned railroad ties, nails, and tracks, which are commonly found below ground in former industrial areas. Buildings materials, miscellaneous pieces of refuse including glass and metal food and beverage containers, and former building foundations are also common and could be present within the Development Area. Based on these findings, SWCA finds the Development Area has high sensitivity for containing historical archaeological resources. This sensitivity is contained within sediments designated as fill, which are estimated to extend from beneath the current pavement to as much as 5 feet below grade.

Impact Analysis: The Project requires the excavation and removal of fill and underlying alluvial sediments below the current grade. At a minimum, any sediments designated as fill within the Development Area have high sensitivity for archaeological resources. Specifically, there is a potential to encounter objects associated with industrial land uses beginning around 1900 throughout the Development Area. The potential for Native American archaeological resources is characterized as being moderate within alluvial sediments that are Holocene in age (deposited less than 12,500 years ago). If present, archaeological and tribal cultural resources in the Development Area could yield information important in prehistory or history and thereby satisfy Criterion 4 of the California Register of Historical Resources. Therefore, ground disturbances from the Project could cause a substantial adverse change in the significance of an archaeological resource and tribal cultural resource pursuant to California Code of Regulations Section 15064.5. Accordingly, SWCA finds that the Project could result in potentially significant impacts to archaeological and tribal cultural resources prior to mitigation.

Recommendations: Given the moderate to high sensitivity for archaeological and tribal cultural resources within the Development Area, SWCA recommends implementing a substitute measure for Section I of Mitigation Measure 4.4-2, Section J of Mitigation Measure 4.4-2, and a substitute measure for Mitigation Measure 4.15-1 to reduce impacts of the Project to a less than significant levels.

As written, Section I of Mitigation Measure 4.4-2 requires an archaeological monitor to be present during excavations and provide archaeological sensitivity training to construction personnel prior to initiating

construction. This will ensure any archaeological resources that may be present are identified by qualified monitors. The substitute measure for archaeological resources maintains the same requirements in Section I of Mitigation Measure 4.4-2 but adds a provision that requires the qualified archaeologist to prepare a Monitoring Plan, the scope of which is extended to address both archaeological and tribal cultural resources because the mitigation measures for each type of resource require equivalent actions to be taken and a Monitoring Plan that addresses both types of resources together will help to ensure consistency during implementation of the mitigation measures. The potential for impacts to an archaeological or tribal cultural resource is the same if the mitigation measures are implemented according to the Monitoring Plan. Thus, substituting Section I of Mitigation Measure 4.4-2 is more effective and will not cause a new significant impact.

Section J describes a procedure to follow if an archaeological resource is identified during construction. No other portions of Mitigation Measure 4.4-2 are recommended to reduce potentially significant impacts.

Mitigation Measure 4.15-1(b) outlines a process to be followed in the event a potential tribal cultural resource is discovered and includes the following requirements: temporarily halt work within a radius of 50 feet until the discovery can be assessed by a Qualified Archaeologist and affiliated tribes; retain a tribal monitor if a tribal cultural resource is identified; identify appropriate treatment consistent with existing regulations and in consultation with affiliated tribes; observe confidentiality requirements concerning the discovered resource, and; allow for adequate documentation of scientific information when applicable. The substitute measure for tribal cultural resources (TRC-MM-1) includes provisions that satisfy the same minimum requirements in Mitigation Measure 4.15-1(b) but adds requirements for worker training and tribal monitoring in areas with sensitivity for tribal cultural resources. The substitute measure includes elements of the three measures requested by the Gabrieleño Band of Mission Indians—Kizh Nation, specifically the elements stipulating the requirements for and methods used by a tribal monitor during ground-disturbing activities. The other elements of the measures requested by the Gabrieleño Band of Mission Indians—Kizh Nation are addressed in the other provisions of the substitute measure based on the minimum requirements incorporated from Mitigation Measure 4.15-1(b), such as requirements for tribal consultation while assessing potential tribal cultural resources and identifying appropriate forms of treatment for confirmed resources. The substitute measure also incorporates additional details to clarify the performance standards and ensure compliance with existing regulations, conformance with industry standards and best practices, and compatibility with other mitigation measures for the Project, specifically those for archaeological resources. By maintaining the same minimum requirements in Mitigation Measure 4.15-1(b) and adding requirement to conduct tribal monitoring, consistent with the sensitivity assessment and measures requested by the Gabrieleño Band of Mission Indians—Kizh Nation, the substitute mitigation measure TCR-MM-1 is more effective and will not cause a new significant impact to tribal cultural resources.

Implementation of these measures would reduce potentially significant impacts to archaeological and tribal cultural resources to less-than-significant levels.

Disposition of Data: This report will be submitted to the Project Applicant and DCP, and then filed with the SCCIC at California State University, Fullerton to be included in the CHRIS. All research materials and copies of the report will be retained on file at SWCA's office in Pasadena, California.

CONTENTS

Introduction **1**

Project Location and Description **2**

Regulatory Setting **7**

State Regulations 7

California Environmental Quality Act 7

Local Regulations 10

Los Angeles Historic-Cultural Monuments 10

City of Los Angeles General Plan 10

Methods **15**

California Historical Resources Information System Records Search 15

Sacred Lands File Search 16

Archival Research 16

Archaeological Sensitivity Analysis 17

Outreach to California Native American Tribes 17

Environmental Setting **18**

Geology and Soils 18

Hydrology 20

Flora and Fauna 22

Cultural Setting **23**

Native American Archaeological Record 23

Terminal Pleistocene: Paleoindian / Paleocoastal Tradition (Before 11,500 BP) 25

Early Holocene (~11,700 to 7000 BP) 25

Middle Holocene (7000 to 4000 BP) 26

Late Holocene (3000 BP to Spanish Colonization) 27

Gabrielino Ethnography 28

Continuity After Colonization 31

Locating Former Native American Settlements, Placenames, and Sites 33

Mission and Rancho Period (1769 1848) 37

American Period (1848 Present) 38

Los Angeles: From Pueblo to City 39

Results **45**

CHRIS Records Search 45

Previously Conducted Studies 45

Previously Recorded Archaeological Resources 47

Sacred Lands File Search 48

Archival Research 48

Zanja System Components 60

Archaeological Site Preservation 62

Sensitivity Assessment 63

Native American Archaeological and Tribal Cultural Resource Sensitivity 63

Historical Archaeological Sensitivity 64

Outreach to California Native American Tribes 65

Discussion of Resource Significance and Impact Analysis **66**
Resource Significance 66
Impact Analysis 68
Archaeological Resources 68
Tribal Cultural Resources 68
Feasibility of Preservation in Place 69
Recommendations and Conclusions **70**
Archaeological Resources 70
Substitute Mitigation Measure 70
Program EIR Mitigation Measure 71
Tribal Cultural Resources 71
Substitute Mitigation Measure 72
References Cited **75**

Appendices

Appendix A California Historical Resources Information System Search Results
Appendix B Native American Heritage Commission Sacred Lands File Search Results Letter
Appendix C Tribal Notification Materials (Non-Confidential)
Appendix D Tribal Correspondence (Confidential)

Figures

Figure 1. Project vicinity map. 3
Figure 2. Project location plotted on USGS 7.5-minute quadrangle, Los Angeles, California. 4
Figure 3. Development Area (red outline) within the larger Project Site (blue outline) plotted on a 2023 aerial photograph. 5
Figure 4. Project plans showing the location of Buildings A, B, and C (bold outlines) and extant buildings to remain in the Site (shaded). 6
Figure 5. Surficial geology from Campbell et al. 2014. The Development Area is in a unit designated as Young Alluvium (Qya_2), which formed during the Late Pleistocene. 19
Figure 6. Historical shifts in the Los Angeles River channels based on Gumprecht (2001:140) and areas of inundation. 21
Figure 7. Chronological frameworks for southern California cultural traditions and archaeological contexts. 24
Figure 8. Native American tribal territories. 29
Figure 9. Native American communities and sites in the greater Los Angeles area; locations from Hackel et al. (2015) and Gumprecht (2001). 35
Figure 10. Photographic reprint of E.O.C. Ord's original 1849 map of the City, annotated with street names, lot owners, and block numbers (Ord 1849). 41
Figure 11. Los Angeles zanja system, ca. 1880s (Gumprecht 2001). 43
Figure 12. Detailed view of Ord's 1849 map (see inset in top left) annotated with landownership. 50
Figure 13. Development Area plotted on H.J. Stevenson's 1884 *Map of the City of Los Angeles, California.* 51

Figure 14. The Coronels' residence at 7th Street and Central Avenue ca. 1880 (Courtesy of Los Angeles Public Library, Item 00061569) 52
Figure 15. Lithograph of the Coronel residence and surrounding agricultural fields at 7th Street and Alameda Street looking west. Note the SPRR line running along Alameda Street ca. 1880. 52
Figure 16. Detailed view of an illustration showing Los Angeles in 1877 53
Figure 17. Detail view of a bird's-eye illustration facing southwest, Los Angeles, California, 1891. 54
Figure 18. Detail view of a bird's-eye illustration, Los Angeles, California, 1894. 55
Figure 19. Development Area shown on the 1906 Sanborn map. 56
Figure 20. Development Area shown on the 1950 Sanborn map. 57
Figure 21. Development Area shown on aerial photographs from 1927 and 1938 58
Figure 22. Development Area shown on aerial photographs from 1952 and 1968 59
Figure 23. Water wheel powered by water from Zanja No. 2. The undated photograph was taken from Alameda Street showing the water wheel on the property of Thomas Leahy on the east side of Alameda Street between 7th and 8th Streets. 60
Figure 24. Sanborn published in 1900, which depicts the area north of the Development Area (not shown) and the alignment of Zanja No. 2 (red arrow), labeled "Open Zanja," on the northeast side of Alameda Street. 61

Tables

Table 1. Previous Cultural Resources Studies 45
Table 2. Summary of Outreach to California Native American Tribes 65

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INTRODUCTION

SWCA Environmental Consultants (SWCA) prepared this cultural resources assessment for the proposed ROW DTLA Residential Project (the Project) in an industrial area east of the downtown area of Los Angeles, California. The Project proposes the demolition of existing surface parking lots and the construction of two mixed-use buildings, one multi-family building, and two subterranean parking structures. The proposed Project is within a portion of the existing ROW DTLA site (the "Project Site"), which comprises three parcels that measure approximately 30.65 acres. Ground disturbances for the Project would be limited to an approximately 4.8-acre portion of the Project Site referred to as the "Development Area." The Development Area consists of two areas, north and south of Center Street, on the west side of Alameda Street between 7th Street and Bay Street. Ground-disturbing activities for the Project include demolition of the existing surface parking lot and excavation for new subterranean parking structures and elevator pits within the northern and southern portions of the Development Area. Because the potential for impacts to archaeological resources is limited to those areas subject to ground-disturbing activities, this study primarily focuses on the Development Area. The analysis of historical resources was conducted by Architectural Resources Group (ARG) and presented in a separate technical report (ARG 2024).

The Project is subject to the California Environmental Quality Act (CEQA), and the City of Los Angeles (City) Department of City Planning (DCP) is the lead agency. The Los Angeles City Council certified the *Citywide Housing Element 2021-2029 and Safety Element Updates Final Environmental Impact Report* (Program EIR) (DCP 2021b). The proposed Project is within the scope of the Housing Element Program analyzed in the Program EIR, and the environmental clearance for the Project is being analyzed using the Housing Element CEQA Streamlining Checklist (Form CP-4089). The City adopted a Mitigation and Monitoring Program (MMP) for the Program EIR, which describes the procedures and stipulations for implementing mitigation measures to be imposed as conditions of approval by the City on discretionary projects. Mitigation Measure 4.4-2 of the MMP and 4.15-1(a) of the MMP address archaeological resources and tribal cultural resources, respectively, and defines procedures to identify resources and implement applicable impact reduction techniques to reduce substantial adverse effects.

SWCA prepared this cultural resources assessment for the Project in compliance with Section A of Mitigation Measure 4.4-2 (Archaeological Resources) and Measure 4.15-1(a) (Native American Consultation and Monitoring for Discretionary Projects) of the MMP.[1] This report presents the results of a study conducted by a qualified archaeologist to determine if archaeological and tribal cultural resources are present within the Development Area, assess if resources are likely to be encountered within the Development Area, analyze the potential for the proposed Project to have significant impacts, and recommend mitigation measures to reduce impacts to less-than-significant levels to the extent feasible. The methods used in this study include a confidential records search of the California Historical Resources Information System (CHRIS), a Sacred Lands File (SLF) Search by the Native American Heritage Commission (NAHC), outreach to California Native American tribes, and research conducted by SWCA using archival and other materials. The information from these sources was used to assess if any new archaeological and tribal cultural resources may be present within the Development Area. The impact analysis is based on the significance thresholds from the Environmental Checklist in Appendix G of CEQA Guidelines. The measures recommended herein are taken exclusively from the MMP for the Program EIR.

[1] Sections A and I of Mitigation Measure 4.4-2 and Mitigation Measure 4.15-1 refer to a *cultural* resources assessment as the type of technical study prepared to analyze archaeological and tribal cultural resources. Under the Environmental Checklist in Appendix G of CEQA Guidelines, impacts to cultural resources are analyzed under three separate categories—historical resources, archaeological resources, and human remains. This scope of this study is limited to analysis of archaeological and tribal cultural resources and excludes analysis of historical resources or human remains. The naming convention of "cultural resources assessment" is retained here for consistency with the terminology used in the Program EIR MMP.

This report was prepared by SWCA Senior Archaeologist Chris Millington, M.A., Registered Professional Archaeologist, and Archaeologist Erica Nicolay, M.A. Chris Millington acted as the Principal Investigator, and he meets the Secretary of the Interior's Professional Qualification Standard (PQS) in archeology. A final draft of this report will be submitted to the South Central Coastal Information Center (SCCIC), located at California State University, Fullerton, to be included in the CHRIS. Research materials and copies of the report will be retained on file with SWCA's office in Pasadena, California.

PROJECT LOCATION AND DESCRIPTION

The Project involves the demolition of existing surface parking lots and the construction of two mixed-use buildings and one multi-family building in a 4.8-acre portion (the Development Area) of an approximately 30.65-acre Project Site known as ROW DTLA. The Project Site is in an expansive industrialized area in the east of Downtown Los Angeles (Figure 1). The Project Site and Development Area are in Sections 33 and 34 of Township 1 South, Range 13 West, and Sections 3 and 4 of Township 2 South, Range 13 West, which is plotted on the U.S. Geological Survey (USGS) Los Angeles, California, quadrangle (Figure 2). The Project Site occupies an area that is bound by East 7th Street to the north, South Central Avenue to the west, South Alameda Street to the east, and East Olympic Boulevard to the south (Figure 3). The Project Site comprises three irregularly shaped parcels that are associated with the following addresses: 757–787 South Alameda Street, 1318–1396 East 7th Street, 736–796 South Central Avenue, 1301–1327 East 8th Street, 700–760 South Market Court, 720–746 South Terminal Street, and 760 South Warehouse Street.

The area surrounding the Project Site is primarily developed with warehouses, cold storage facilities, small-scale manufacturing operations, and other industrial uses, though in more recent years newer commercial office, commercial retail, and residential uses have been developed in the vicinity of the Project Site. The portion of the Project Site along Central Avenue is used as a wholesale produce market and an outdoor weekend market known as Smorgasburg. Except for 747 South Alameda Street, which is currently vacant, the middle portion of the Site between 7th and 8th Street supports retailers and restaurants and another office and hybrid office/light manufacturing tenants that span multiple industries including technology, apparel, construction, produce wholesale and consumer goods. This area also includes a ten-story concrete parking structure that was built in 2016 and is accessed via South Alameda Street. These existing uses will remain and are not being modified by the Project.

The Project proposes to construct three eight-story new construction buildings, including residential units, parking, and retail and cafe space. The three new buildings—Buildings A, B, and C—would be located just north and south of Center Street, which runs east-west through the Project Site (Figure 4). Buildings A and B would be south of Center Street and Building C would be north of Center Street. Building A would include commercial space at the first floor, residential units at the first through eighth floors, and two levels of subterranean parking. Building B would include residential units at the first through eight floors and two levels of subterranean parking. Building C would consist of commercial space at the first floor, residential units at the first through eighth floors, and two levels of subterranean parking. All three buildings would be surrounded by landscaping.



Figure 1. Project vicinity map.

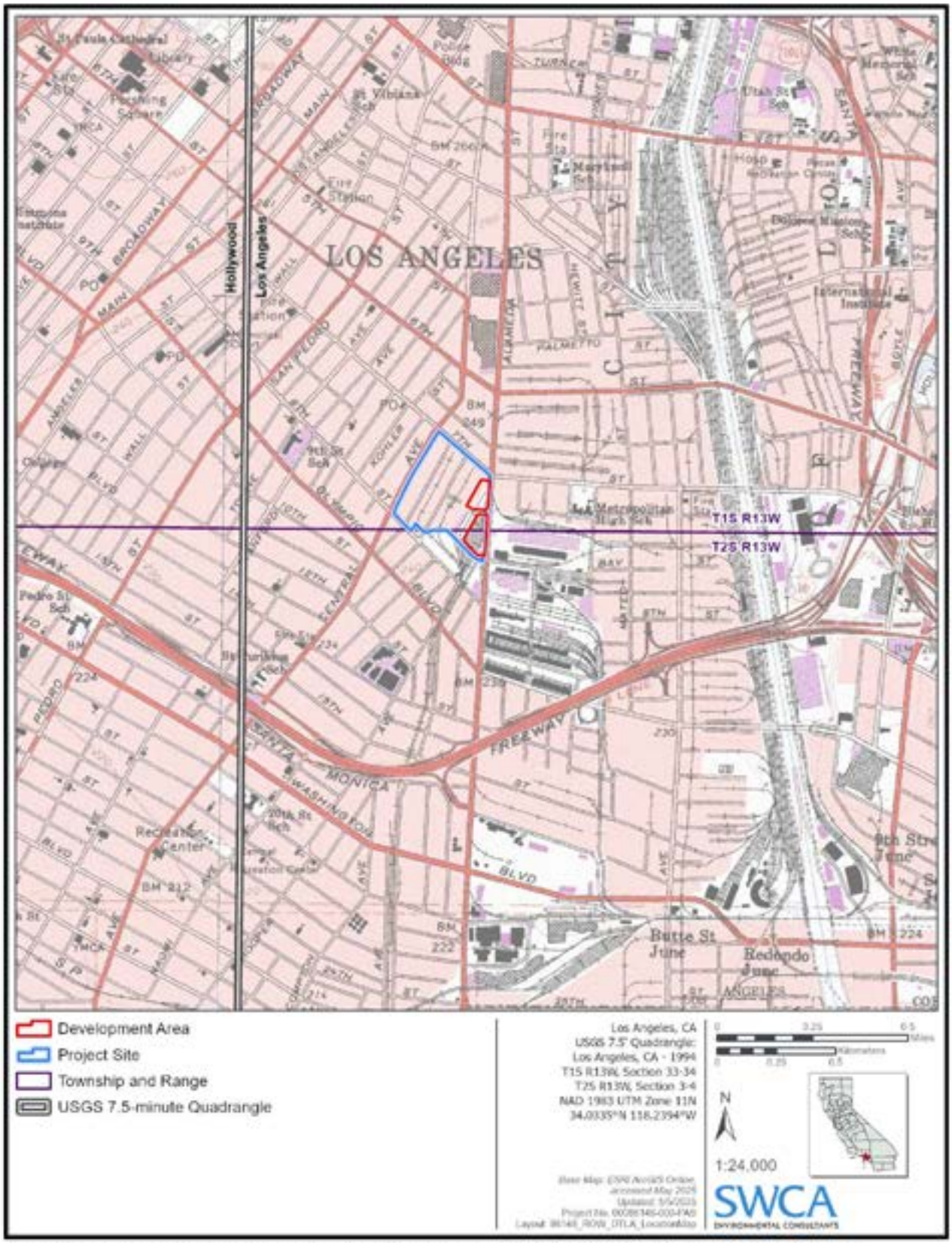

Figure 2. Project location plotted on USGS 7.5-minute quadrangle, Los Angeles, California.



Figure 3. Development Area (red outline) within the larger Project Site (blue outline) plotted on a 2023 aerial photograph.

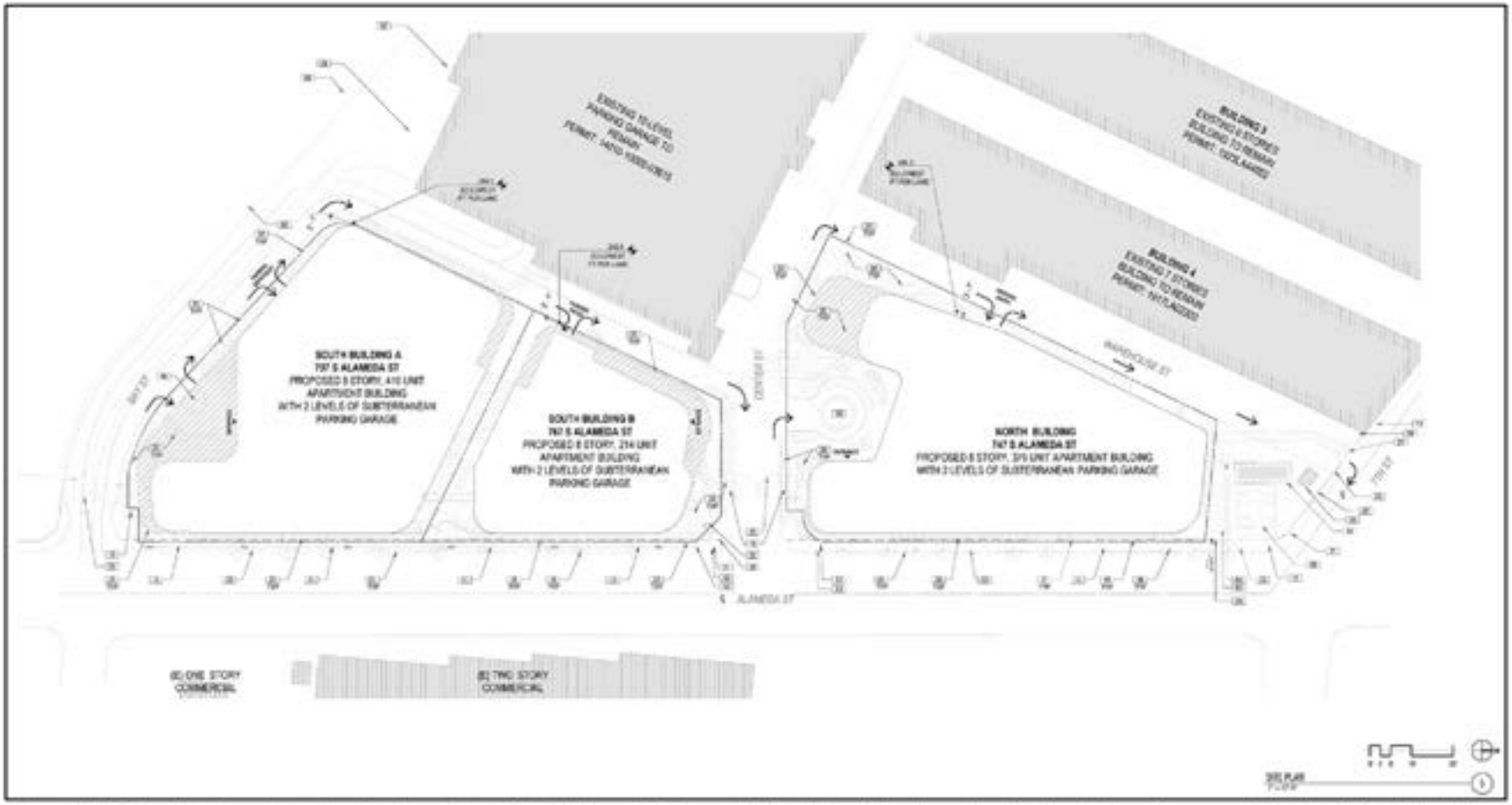

Figure 4. Project plans showing the location of Buildings A, B, and C (bold outlines) and extant buildings to remain in the Site (shaded). Note that the right side faces north and Alameda Street runs along the bottom of the frame and Bay Street on the left.

Ground disturbances required for the Project would occur during demolition of the existing surface parking lot and excavation for the subterranean parking and elevator pits with associated footings. These activities would be limited to a 4.8-acre area within the Project Site that is designated here as the Development Area (see Figure 3 and Figure 4) and is located at 747–787 South Alameda Street, 1390–1396 East 7th Street, Los Angeles, California, 90021. The Development Area consists of two irregularly shaped areas and is currently developed with paved surface parking and limited ornamental vegetation. The average estimated depth of excavation to construct the two levels of subterranean parking beneath Buildings A-B and Building C is 20 feet below grade. The excavation to the respective depths would occur across the full extent of the Project Site in the two areas. Additional excavation to a depth of approximately 28 feet below-grade would be conducted under the elevator pit and associated footings.

REGULATORY SETTING

State Regulations

The California Office of Historic Preservation (OHP), a division of the California Department of Parks and Recreation, performs certain duties described in the California Public resources Code (PRC) and maintains the California Historic Resources Inventory and California Register of Historical Resources (CRHR). The state-level regulatory framework also includes CEQA, which requires the identification and, if necessary, mitigation of substantial adverse impacts that may affect the significance of historical resources and archaeological resources. Under CEQA Guidelines (Title 14, Division 6, Chapter 3 of California Code of Regulations [CCR]), archaeological resources are analyzed as a type of cultural resource, and a significant archaeological resource is a historical resource.

California Environmental Quality Act

Under CEQA, a "project that may cause a substantial adverse change in the significance of a historical resource is a project that may have a significant effect on the environment" (PRC Section 21084.1). Analyzing the potential for impacts to a historical resource requires first determining if the proposed project involves a historical resource. If cultural resources are present, then the proposed project must be analyzed for a potential "substantial adverse change in the significance" of the resource.

HISTORICAL RESOURCES

According to CEQA Guidelines Section (CCR Section 15064.5), for the purposes of CEQA, historical resources are:

- A resource listed in, or formally determined to be eligible by the State Historical Resources Commission, for listing in the CRHR (PRC 5024.1, 14 CCR 4850 et seq.).
- A resource included in a local register of historical resources, as defined in PRC Section 5020.1(k), or identified as significant in a historic resources survey by meeting the requirements of PRC Section 5024.1(g).
- Any object, building, structure, site, area, place, record, or manuscript that the lead agency determines to be eligible for national, state, or local landmark listing; generally, a resource shall be considered by the lead agency to be historically significant (and therefore a historic resource under CEQA) if the resource meets the criteria for listing on the CRHR (as defined in PRC Section 5024.1, 14 CCR 4852).

Resources nominated to the CRHR must retain enough of their historic character or appearance to convey the reasons for their significance. Resources whose historic integrity (as defined above) does not meet National Register of Historic Places (NRHP) criteria may still be eligible for the CRHR.

According to CEQA, the fact that a resource is not listed in or determined eligible for the CRHR or is not included in a local register or survey, shall not preclude the lead agency from determining that the resource may be a historical resource (PRC Section 5024.1). Pursuant to CEQA, a project with an effect that may cause a substantial adverse change in the significance of a historical resource may have a significant effect on the environment (CEQA Guidelines, Section 15064.5[b]).

Substantial Adverse Change and Indirect Impacts to Historical Resources

CEQA Guidelines specify that a "substantial adverse change in the significance of an historical resource means physical demolition, destruction, relocation, or alteration of the resource or its immediate surroundings such that the significance of an historical resource would be materially impaired" (CEQA Guidelines, Section 15064.5). Material impairment occurs when a project alters in an adverse manner or demolishes "those physical characteristics of an historical resource that convey its historical significance and that justify its inclusion" or eligibility for the NRHP, CRHR, or local register. In addition, pursuant to CEQA Guidelines Section 15126.2, the "direct and indirect significant effects of the project on the environment shall be clearly identified and described, giving due consideration to both the short-term and long-term effects."

UNIQUE ARCHAEOLOGICAL RESOURCES

In terms of archaeological resources, PRC Section 21083.2(g) defines a unique archaeological resource as an archaeological artifact, object, or site about which it can be clearly demonstrated that without merely adding to the current body of knowledge, there is a high probability that it meets any of the following criteria:

1. Contains information needed to answer important scientific research questions, and that there is a demonstrable public interest in that information.
2. Has a special and particular quality, such as being the oldest of its type or the best available example of its type.
3. Is directly associated with a scientifically recognized important prehistoric or historic event or person.

TRIBAL CULTURAL RESOURCES

Assembly Bill 52

Assembly Bill (AB) 52 went into effect on January 1, 2015. The bill amended PRC 5097.94 and added PRC 21073, 21074, 21080.3.1, 21080.3.2, 21082.3, 21083.09, 21084.2, and 21084.3. PRC 21074(a) provides an initial set of criteria that define a tribal cultural resource as including but not limited to any of the following:

1. Sites, features, places, cultural landscapes, sacred places, and objects with cultural value to a California Native American tribe that are either of the following:
   Included or determined to be eligible for inclusion in the California Register of Historical Resources (CRHR).
   Included in a local register of historical resources as defined in subdivision (k) of PRC 5020.1.

2. A resource determined by the lead agency, in its discretion and supported by substantial evidence, to be significant pursuant to criteria set forth in subdivision (c) of PRC 5024.1. In applying the criteria set forth in subdivision (c) of PRC 5024.1 for the purposes of this paragraph, the lead agency shall consider the significance of the resource to a California Native American tribe.

Subdivision (b) of PRC 21074 adds that a tribal cultural resource may also be a cultural landscape provided it meets the criteria of subdivision (a), so long as the landscape is geographically defined in size and scope. Subdivision (c) of PRC 21074 clarifies that so long as the criteria in subdivision (a) are satisfied, the status as a unique or non-unique archaeological resource is not factored into the determination of whether a resource is a tribal cultural resource.

Section 1(a)(9) of AB 52 establishes that "a substantial adverse change to a tribal cultural resource has a significant effect on the environment," such that effects on tribal cultural resources need to be considered under CEQA. Section 6 of AB 52 adds PRC 21080.3.2, which states that parties may propose mitigation measures "capable of avoiding or substantially lessening potential significant impacts to a tribal cultural resource or alternatives that would avoid significant impacts to a tribal cultural resource."

CALIFORNIA REGISTER OF HISTORICAL RESOURCES

Created in 1992 and implemented in 1998, the CRHR is "an authoritative guide in California to be used by state and local agencies, private groups, and citizens to identify the state's historical resources and to indicate what properties are to be protected, to the extent prudent and feasible, from substantial adverse change" (PRC Sections 21083.2 and 21084.1). Certain properties, including those listed in or formally determined eligible for listing in the NRHP and California Historical Landmarks numbered 770 and higher, are automatically included in the CRHR. Other properties recognized under the California Points of Historical Interest program, identified as significant in historical resources surveys, or designated by local landmarks programs, may be nominated for inclusion in the CRHR. According to PRC Section 5024.1(c), a resource, either an individual property or a contributor to a historic district, may be listed in the CRHR if the State Historical Resources Commission determines that it meets one or more of the following criteria, which are modeled on NRHP criteria:

- **Criterion 1:** It is associated with events that have made a significant contribution to the broad patterns of California's history and cultural heritage.
- **Criterion 2:** It is associated with the lives of persons important in our past.
- **Criterion 3:** It embodies the distinctive characteristics of a type, period, region, or method of construction, or represents the work of an important creative individual, or possesses high artistic values.
- **Criterion 4:** It has yielded, or may be likely to yield, information important in history or prehistory.

Resources nominated to the CRHR must retain enough of their historic character or appearance to convey the reasons for their significance. Resources whose historic integrity does not meet NRHP criteria may still be eligible for listing in the CRHR. Although all sites are evaluated according to all four of the CRHR criteria, the eligibility for archaeological resources is typically considered under Criterion 4. Most prehistoric archaeological sites lack identifiable or important association with specific persons or events of regional or national history (Criteria 1 and 2), and/or lack the formal and structural attributes necessary to qualify as eligible under Criterion 3.

An archaeological site may be considered significant if it displays one or more of the following attributes: chronologically diagnostic, functionally diagnostic, or exotic artifacts; datable materials; definable

activity areas; multiple components; faunal or floral remains; archaeological or architectural features; notable complexity, size, integrity, time span, or depth; or stratified deposits. Determining the period(s) of occupation at a site provides a context for the types of activities undertaken and may well supply a link with other sites and cultural processes in the region. Further, well-defined temporal parameters can help illuminate processes of culture change and continuity in relation to natural environmental factors and interactions with other cultural groups. Finally, precise dating for an archaeological site can provide a link to regionally important research questions and a finding of eligibility under Criterion 4 (information potential). A site that cannot be dated is unlikely to possess the quality of significance required for CRHR eligibility or be considered a unique archaeological resource. The content of an archaeological site provides information regarding its cultural affiliations, temporal periods of use, functionality, and other aspects of its occupation history. The range and variability of artifacts present in the site can allow for reconstruction of changes in ethnic affiliation, diet, social structure, economics, technology, industrial change, and other aspects of culture.

Local Regulations

Los Angeles Historic-Cultural Monuments

Local landmarks in the City are known as Historic-Cultural Monuments (HCMs) and are under the aegis of DCP's Office of Historic Resources (OHR). Originally adopted in 1962, and most recently amended in 2018, the City's Cultural Heritage Ordinance establishes the criteria and process for designating HCMs as follows:

> [A] Historic-Cultural Monument (Monument) is any site (including significant trees or other plant life located on the site), building or structure of particular historic or cultural significance to the City of Los Angeles, including historic structures or sites in which the broad cultural, economic or social history of the nation, State or community is reflected or exemplified; or which is identified with historic personages or with important events in the main currents of national, State or local history; or which embodies the distinguishing characteristics of an architectural type specimen, inherently valuable for a study of a period, style or method of construction; or a notable work of a master builder, designer, or architect whose individual genius influenced his or her age. (City of Los Angeles Municipal Code Section 22.171.7)

The list of HCMs consists primarily of non-archaeological resources, but the criteria do not explicitly prohibit archaeological sites from being designated. There are currently two sites associated with Gabrielino settlements designated as HCMs (Nos. 112 and 490) that were originally identified from archaeological discoveries.

City of Los Angeles General Plan

CONSERVATION ELEMENT

Chapter II, Section 3 of the *Conservation Element of the City of Los Angeles General Plan* (Conservation Element) (DCP 2001), defers to the CEQA Guidelines in regard to the identification, evaluation, and mitigation of impacts to archaeological resources. The Conservation Element recognizes that the City has the primary responsibility to protect significant archaeological resources and states the following:

> If it is determined that a development project may disrupt or damage such a site, the project is required to provide mitigation measures to protect the site or enable study and

> documentation of the site, including funding of the study by the applicant. The city's environmental guidelines require the applicant to secure services of a bona fide archaeologist to monitor excavations or other subsurface activities associated with a development project in which all or a portion is deemed to be of archaeological significance. Discovery of archaeological materials may temporarily halt the project until the site has been assessed, potential impacts evaluated and, if deemed appropriate, the resources protected, documented and/or removed. (DCP 2001:II-4)

The Conservation Element gives the following objective and policy for archaeological and paleontological resources:

Objective: protect the city's archaeological and paleontological resources for historical, cultural, research and/or educational purposes.

Policy: continue to identify and protect significant archaeological and paleontological sites and/or resources known to exist or that are identified during land development, demolition or property modification activities.

CITYWIDE HOUSING ELEMENT 2021–2029

The Housing Element of the City's General Plan identifies Los Angeles's housing needs and opportunities and establishes clear goals and objectives to inform future housing decisions. The Housing Element Update was adopted by the City Council on November 24, 2021 (DCP 2021c). An environmental review for the Housing Element Update was completed pursuant to CEQA in conjunction with the Safety Element Update and targeted updates Health Element. A Draft Environmental Impact Report (EIR) was prepared and after incorporating input received during public scoping meetings and circulation, a revised draft was released in October 2021 and approved by the City Planning Commission (CPC) (DCP 2021a).

The *Citywide Housing Element 2021–2029 and Safety Element Updates Final Environmental Impact Report* (Program EIR) (DCP 2021b) was adopted and certified on October 29, 2021. The Program EIR included an MMP, which describes the procedures for implementing the mitigation measures put forward in the Draft EIR. The mitigation measures are included as conditions of approval on future discretionary projects, subject to the City's authority.

Using CEQA Guidelines Section 15168, subsequent projects may use the Program EIR as their environmental clearance if the project can be shown to be within the scope of the program addressed in the Program EIR, and its environmental effects are within the scope of environmental impacts analyzed in the Program EIR. Most projects involving new housing within the City are within the scope of the Housing Element Program and can use the Housing Element CEQA Streamlining Checklist for environmental clearance. For those housing projects found not to be within the scope of the impacts analyzed in the Program EIR, the Program EIR can be used to clear those impacts that were analyzed in the EIR and a tiered clearance, such as a mitigated negative declaration or focused EIR, can be used to clear those impacts that are not within the scope of the Program EIR.

The mitigation measures in the MMP for the Housing Element Update include the following provisions that apply to archaeological and tribal cultural resources (DCP 2021b:5-26–5-30, 5-51–5-53).

Archaeological Resources

4.4-2 Archaeological Resources

Discretionary projects that involve ground disturbance in native soils or soils of unknown origin, shall implement the following procedures to identify archaeological resources located in a development site and implement applicable impact reduction techniques to reduce substantial adverse effects associated with the inadvertent discovery of archaeological resources.

A. The project applicant shall retain a qualified archaeologist meeting the Secretary of the Interior's Professional Qualifications Standards (PQS) in archaeology to complete a cultural resources assessment of the development site. A cultural resources assessment may include an archaeological pedestrian survey of the development site, if possible, and sufficient background archival research and field sampling to determine whether subsurface prehistoric or historic remains may be present. Archival research should include a records search conducted at the South Central Coastal Information Center (SCCIC) and a Sacred Lands File (SLF) search conducted with the Native American Heritage Commission (NAHC).

B. If prehistoric or historic archaeological remains are identified as a result of the SCCIC or SLF searches, the remains shall be avoided and preserved in place where feasible.

C. Where preservation is not feasible, each resource shall be evaluated for significance and eligibility to the California Register. Phase 2 evaluation shall include any necessary archival research to identify significant historical associations as well as mapping of surface artifacts, collection of functionally or temporally diagnostic tools and debris, and excavation of a sample of the cultural deposit to characterize the nature of the sites, define the artifact and feature contents, determine horizontal boundaries and depth below surface, and retrieve representative samples of artifacts and other remains.

D. Excavation at Native American sites shall be monitored by a geographically affiliated tribal representative, as agreed upon in any formal consultation proceedings with the geographically affiliated tribe or as indicated by the NAHC. If no tribal monitor is available, the monitoring shall be done by a qualified archaeologist.

E. Cultural materials collected from the sites shall be processed and analyzed in the laboratory according to standard archaeological procedures. The age of the remains shall be determined using radiocarbon dating and other appropriate procedures; lithic artifacts, faunal remains, and other cultural materials shall be identified and analyzed according to current professional standards.

F. Following laboratory analysis, the significance of the sites shall be evaluated according to the criteria of the California Register. The results of the investigations shall be presented in a technical report following the standards of the California Office of Historic Preservation (OHP) publication "Archaeological Resource Management Reports: Recommended Content and Format (1990 or latest edition)" (http://ohp.parks.ca.gov/pages/1054/files/armr.pdf).

G. Upon completion of the work, all artifacts, other cultural remains, records, photographs, and other documentation shall be curated by an appropriate curation facility. All fieldwork, analysis, report production, and curation shall be fully funded by the applicant.

H. If the resources meet California Register significance standards, the City shall ensure that all feasible recommendations for impact reduction of archaeological impacts are

incorporated into the final design and permits issued for development. Necessary Phase 3 data recovery excavation, conducted to exhaust the data potential of significant archaeological sites, shall be carried out by a qualified archaeologist meeting the Secretary of the Interior's PQS for archaeology according to a research design reviewed and approved by the City prepared in advance of fieldwork and using appropriate archaeological field and laboratory methods consistent with the OHP Planning Bulletin 5 (1991), Guidelines for Archaeological Research Design, or the latest edition thereof.

I. If recommended by a cultural resources assessment, prior to issuance of a grading permit and prior to the start of any ground-disturbing activity, the applicant shall retain a qualified archaeologist who meets the Secretary of the Interior's PQS to oversee an archaeological monitor who shall be present during construction excavations, such as demolition, clearing/grubbing, grading, trenching, or any other construction excavation activity associated with the project, including peripheral activities, such as sidewalk replacement, utilities work, and landscaping, which may occur adjacent to the project site. The frequency of monitoring shall be based on the rate of excavation and grading activities, the materials being excavated (younger sediments vs. older sediments), the depth of excavation, and, if found, the abundance and type of archaeological resources encountered. Full-time monitoring may be reduced to part-time inspections, or ceased entirely, if determined adequate by the qualified archaeologist. Prior to commencement of excavation activities, Archaeological Sensitivity Training shall be given for construction personnel. The training session shall be carried out by the qualified archaeologist and shall focus on how to identify archaeological resources that may be encountered during earthmoving activities and the procedures to be followed in such an event.

J. In the event that historic (e.g., bottles, foundations, refuse dumps/privies, railroads, etc.) or prehistoric (e.g., hearths, burials, stone tools, shell and faunal bone remains, etc.) archaeological resources are unearthed, ground-disturbing activities shall be halted or diverted away from the vicinity of the find so that the find can be evaluated. A 50-foot buffer within which construction activities shall not be allowed to continue shall be established by the qualified archaeologist around the find. Work shall be allowed to continue outside of the buffer area. All archaeological resources unearthed by project development activities shall be evaluated by the qualified archaeologist. If a resource is determined by the qualified archaeologist to constitute a "historical resource" pursuant to CEQA Guidelines Section 15064.5(a) or a "unique archaeological resource" pursuant to Public Resources Code Section 21083.2(g), the qualified archaeologist shall coordinate with the applicant and the City to develop a formal treatment plan that would serve to reduce impacts to the resources. The treatment plan established for the resources shall be in accordance with CEQA Guidelines Section 15064.5(f) for historical resources and Public Resources Code Sections 21083.2(b) for unique archaeological resources. Preservation in place (i.e., avoidance) is the preferred manner of treatment. If, in coordination with the City, it is determined that preservation in place is not feasible, appropriate treatment of the resource shall be developed by the qualified archaeologist in coordination with the City and may include implementation of archaeological data recovery excavations to remove the resource along with subsequent laboratory processing and analysis. Any archaeological material collected shall be curated at a public, non-profit institution with a research interest in the materials, if such an institution agrees to accept the material. If no institution accepts the archaeological material, they shall be donated to a local school, Tribe, or historical society in the area for educational purposes.

K. As applicable, the final Phase 1 Inventory, Phase 2 Testing and Evaluation, or Phase 3 Data Recovery reports shall be submitted to the City prior to issuance of construction permit. Recommendations contained therein shall be implemented throughout all ground disturbance activities.

Tribal Cultural Resources

4.15-1(a) Native American Consultation and Monitoring for Discretionary Projects

All discretionary projects that involve ground disturbing activities in previously undisturbed soils, shall prepare a cultural resources assessment and do a record search with a study area of no less than 0.5 mile around the project area. Projects conducted in culturally and historically sensitive areas, as determined by a Qualified Archaeologist meeting the Secretary of the Interior's Professional Qualification Standards for Archaeologist, should include a record search with a study area of no less than 1 mile around the project area.

Notification shall be provided to California Native American tribes that are traditionally and culturally affiliated with the geographic area of the project site and have submitted a written request to the Department of City Planning to be notified of proposed projects in that area. Should projects have potential to impact cultural resources, as determined during the environmental assessment or Tribal consultation, a Cultural Resources Monitoring Program (CRMP) shall be prepared by Qualified Archaeologist, in consultation with all interested Tribes, prior to the commencement of any and all ground disturbing activities for the Project, including any archaeological testing. The CRMP shall include compliance with 4.15-1(b) and will provide details regarding the process for infield treatment of inadvertent discoveries and the disposition of inadvertently discovered non-funerary resources and shall be consistent with the treatment of unique archaeological resources in PRC 21083.2.

4.15-1(b) Discovery of Potential Tribal Cultural Resources

In the event that Tribal Cultural Resources are discovered during Project activities, whether or not a tribal monitor is present, and there is no CRMP or the CRMP does not cover treatment of inadvertent discovery, all work within a 50-foot buffer of the find shall cease and a Qualified Archaeologist meeting the Secretary of the Interior's Professional Qualification Standards for Archaeology shall assess the find. Tribes that are culturally and historically affiliated with the Project area and have requested consultation shall be notified, should any potential tribal cultural resource be discovered during project implementation. Construction personnel shall not collect or move any tribal resources. Construction activity may continue unimpeded on other portions of the project site. Unless agreed otherwise during the tribal consultation process or in a CRMP, if tribal cultural resources are discovered during construction, the applicant and/or owner shall retain a Qualified Tribal Monitor (as approved by the Tribe) if requested by the Tribe. Any and all archaeological/cultural documents created as a part of the Project (isolate records, site records, survey reports, testing reports, and monitoring reports) should be provided to consulting Tribes. Any tribal cultural resources discovered shall be treated with appropriate dignity and protected and preserved as appropriate with the agreement of the Tribal Representative and in accordance with federal, state, and local guidelines. If not otherwise provided in the CRMP, the Lead Agency and/or applicant shall, in good faith, provide all consulting Tribes the opportunity to consult on the disposition and treatment of resources. The location of the find of tribal cultural resources and the type and nature of the find will not be published, except to provide information to the

Qualified Archaeologist, tribal representatives, and public agencies with jurisdiction or responsibilities related to the resources. An agreement will be reached with the Tribal Representative to mitigate or avoid any significant impacts to identified tribal cultural resources. Absent an agreement with the Tribal Representative, as provided in Public Resources Code Section 21083.2, the find should be preserved in place or left in an undisturbed state unless the Project would damage the resource. When preserving in place or leaving in an undisturbed state is not possible, excavation should not occur until testing or studies prepared by a Qualified Archaeologist have adequately documented the recovery of scientifically consequential information from and about the resource. Construction activity may continue unimpeded on other portions of the project site if cleared by the Qualified Tribal Monitor or Qualified Archaeologist. Ground Disturbance Activities in the area where resources were found may commence once the identified resources are properly assessed and processed by a Tribal Representative or, if no Tribal Representative is identified, a Qualified Archaeologist.

The measure shall be shown on plans.

METHODS

California Historical Resources Information System Records Search

Archaeological studies and resource records are managed in California as part of the CHRIS. Physical copies of reports and resource records and digital data are retained at multiple information centers that collectively manage the CHRIS for specific counties. Records for Los Angeles County are maintained by the SCCIC, which is located at California State University, Fullerton. Each information center also maintains the Archaeological Determinations of Eligibility list (OHR Directory of Historic Properties Data File), and has access to the NRHP, CRHR, California Points of Historical Interest, California Historical Landmarks, and California State Inventory of Historic Resources. A non-confidential CHRIS search conducted through an information center will identify the number of resources and reports for a specified area and a selected radius but omits any information that reveals the confidential location or contents of archaeological resources. A confidential CHRIS records search includes copies of all records and is made available only to authorized users who meet criteria defined by the California OHP.

Prior studies and resources are assigned unique identifiers in the CHRIS, and spatial data are recorded on paper maps and/or in a geographic information system (GIS). The identifiers for prior studies and resources incorporate codes specific to each county. The identifier assigned to all cultural resources is known as the primary number and is indicated by a letter prefix ("P") that includes a county code (Los Angeles County is 19) followed by a sequential six-digit number, e.g., P-19-000001. Cultural resources with archaeological components (i.e., archaeological resources) are given a second designation, referred to as a trinomial. The trinomial incorporates a state and county code ("CA-LAN" for Los Angeles County) followed by a number, which may be the same as the digit used in the primary number but could also vary. Archaeological resources that are exclusively historic in age are given an additional suffix, "H", e.g., CA-LAN-169H. Archaeological resources containing both prehistoric- and historic-era components are designated with the suffix "/H", e.g., CA-LAN-7/H. Archaeological resources that are exclusively prehistoric in age will not have either suffix. For this report, all archaeological sites will be referenced by their trinomial number, and for ease of reference the "CA-" prefix is excluded, e.g., CA-LAN-1 is referred to as LAN-1. Sites that are not assigned a trinomial are referenced here using their primary number.

For this study, SWCA requested a search of the CHRIS from the SCCIC that included any previously recorded archaeological resources and any cultural resource investigations within a 0.8 km (0.5-mile) radius of the Development Area. The CHRIS records search also included a review of the NRHP, the CRHR, California Points of Historical Interest list, the California Historical Landmarks list, the Archaeological Determinations of Eligibility list (OHR Directory of Historic Properties Data File), the City's HCM list, and the California State Inventory of Historic Resources. The results of the CHRIS search were summarized in a digital letter from the SCCIC dated February 8, 2024, which is provided in Appendix A, and attachments containing database records and confidential GIS data.

Sacred Lands File Search

The NAHC is charged with identifying, cataloging, and protecting Native American cultural resources, which includes ancient places of special religious or social significance to Native Americans, and known ancient graves and cemeteries of Native Americans on private and public lands in California. The NAHC's inventory of these resources is known as the SLF. In addition, the NAHC maintains a list of tribal contacts affiliated with various geographic regions of California. All outreach to tribe was conducted as part of the notification process conducted pursuant to MM 4.15-1(a) of the MMP from the Program EIR and is described below. The contents of the SLF are strictly confidential, and SLF search requests return positive or negative results in addition to a list of tribal contacts with affiliation to the specified location. A letter from the NAHC summarizing the results of the records search is provided in Appendix B.

Archival Research

Concurrent with the confidential CHRIS records search, SWCA reviewed property-specific historical and ethnographic context research to identify information relevant to the Development Area. Research focused on a variety of primary and secondary materials relating to the history and development of the Project Site and Development Area, including historical maps, aerial and ground photographs, ethnographic reports, and other environmental data. Archival research focused on assessing the general sequence of developments within the Development Area and vicinity beginning in the nineteenth century. Aerial photographs were used to help assess the setting of the Development Area from 1927 to the present.

Sources consulted included the following publicly accessible data sources: OHR (SurveyLA); David Rumsey Historical Map Collection; Early California Cultural Atlas (Native American villages and placenames [Hackel et al. 2015]); Huntington Library Digital Archives; Library of Congress, Los Angeles Public Library Map Collection; Los Angeles Public Library (maps and photographs); Sanborn Fire Insurance Company maps (Sanborn maps); USGS historical topographic maps; University of California, Santa Barbara Digital Library (aerial photographs); and University of Southern California Digital Library.

In addition to the above, SWCA reviewed the results of a geotechnical investigation conducted for the Project by Group Delta (Bueno and Tsai 2023). Group Delta reviewed past geotechnical investigations conducted near the Development Area, conducted limited subsurface boring, identified the sediments within the Development Area, and offered a preliminary assessment of the geophysical conditions.

Archaeological Sensitivity Analysis

SWCA assessed the potential for the presence of an unidentified resource in the form of a buried archaeological site, which includes tribal cultural resources that are archaeological in nature.[2] That determination considers historical use of the Development Area and vicinity broadly and the physical setting specifically, including an assessment of whether the setting is capable of containing buried archaeological material, and finally, characterizing the potential for a buried resource. Lacking any data specifically gathered to assess the presence or absence of archaeological material below the surface, the resulting sensitivity is by nature qualitative, ranging along a spectrum of increasing probability for encountering such material, designated here as low, moderate, and high.

SWCA assessed the sensitivity of the Development Area to contain Native American archaeological resources, as well as non-Native American (i.e., historical) archaeological resources. Specific factors are considered for each respective resource type. For Native American archaeological resources, a primary consideration is assessing whether an area provided favorable conditions for short term or seasonal habitation at various time intervals during the Terminal Pleistocene and Holocene. This is assessed by analyzing the following: proximity to natural features (e.g., perennial water source, plant or mineral resource, animal habitat) and other known Native American archaeological sites; topography and hydrology to assess whether the area provided relatively level ground and dry conditions; and viewshed to assess whether the location offered a prominent view for either practical or ceremonial purposes. These assessments rely on historical ecological reconstructions for vegetation, hydrology, topography, and paleoenvironmental data; therefore, the resulting sensitivity assessment may vary in its resolution over time and from region to region.

Assessing historical archaeological resource sensitivity relies more exclusively on archival research that indicates past land uses, as well as reports of archaeological discoveries, whether in public sources (e.g., newspapers, newsletters) or historical archaeological sites in the CHRIS records. Where soils data have been collected (e.g., during geotechnical sampling), the presence of common archaeological materials (e.g., bricks, glass, and/or building materials) in geotechnical bores may suggest an increased likelihood for a buried historical archaeological resource; the presence of a stratum designated as fill in the geotechnical testing may indicate the overall area in which such resources could be preserved below ground. For areas that were vacant during the nineteenth and/or twentieth centuries, land uses in areas directly adjacent or in reasonable proximity are also considered in terms of the types of activities and material remains that may have been deposited within the open space. Land use history is also considered in terms of its potential to destroy, displace, or otherwise diminish the potential for a buried archaeological resource of a previous time that may have once been present.

For purposes of the current study, high archaeological sensitivity is defined as any area with a favorable setting for Native American habitation or temporary use, documentation of historical occupation(s), soil conditions capable of preserving buried material, and little to no disturbances. Areas lacking these traits are considered to have low sensitivity. Areas with a combination of these traits are considered as having moderate sensitivity.

Outreach to California Native American Tribes

MM 4.15-1(a) of the MMP from the Program EIR includes a provision requiring the applicant of an individual project to provide notification to California Native American tribes who are traditionally and culturally affiliated with the geographic area of a given project site and have submitted a written request

[2] Hereafter, all references to Native American archaeological resources are assumed to also apply to tribal cultural resources that are archaeological in nature but will not be referenced as such.

to City Planning to be notified of a proposed project in that area. The notification is intended to provide information on the proposed project and request information concerning the presence of a tribal cultural resource or likelihood for a potential tribal cultural resource as a means of informing the analysis of the potential for impacts to a tribal cultural resource. The outreach process established under the Housing Element CEQA Streamlining Checklist is informational in nature and not intended as government-to-government consultation in the manner required for AB 52 tribal consultation. However, informational outreach pursuant to MM 4.15-1(a) was conducted based on the City's AB 52 consultation list (including tribal contact information provided by the NAHC, updated as of 10/24/2022), and any information provided by tribes is still subject to the confidentiality protections provided under PRC Section 21082.3(c).

SWCA sent written notification letters to 10 contacts representing nine (9) California Native American tribes. The notifications provided information on the Project and the environmental review process being undertaken through the City's Housing Element CEQA Streamlining process. The letters requested that any responses be received no more than 2 weeks after receipt of the letter. The notifications were printed and sent via certified mail through the U.S. Postal Service. An electronic copy of the letters was submitted to one contact via email because the written notification was returned as undeliverable. The notifications were mailed on July 18, 2025, and delivered July 21–25. The requested response period ended on August 8, 2025. Copies of the notification letter and certified mail receipts are included here in Appendix C. All confidential materials from the correspondence are included in Appendix D, which is excluded from publicly circulated drafts of this report.

ENVIRONMENTAL SETTING

The Development Area is in the northwestern portion of the Los Angeles Basin, a broad, level plain defined by the Pacific Ocean to the west, the Santa Monica Mountains and Puente Hills to the north, and the Santa Ana Mountains and San Joaquin Hills to the south. This extensive alluvial wash basin is filled with Quaternary alluvial sediments deposited as unconsolidated material eroded from the surrounding hills. Over millions of years, the basin has experienced episodes of subsidence, deposition, uplift, erosion, and faulting, all of which have resulted in very complex geology, as well as oil deposits and abundant fossils (Ingersoll and Rumelhart 1999; Lamar 1970; Yerkes et al. 1965). The surface of the basin slopes gently southwestward toward the ocean, interrupted in various places by low hills and traversed by several large rivers (Yerkes et al. 1965). The Development Area is situated in the former plain of the Los Angeles River. Topographically, the setting is characterized as an open aspect plain with a very gradual slope to the south. The Development Area is at an elevation of approximately 87.5 to 88.7 meters (m) (287–291 feet) above mean sea level. The Pacific Ocean shoreline is approximately 21.91 km (13.62 miles) to the west of the Development Area.

Geology and Soils

According to geologic mapping by Campbell and others (2014), Late Pleistocene young alluvium, Unit 2 (Qya_2) is present across the entire Development Area (Figure 5). The Late Pleistocene (or Terminal Pleistocene) marks the end of the last glacial period, which occurred around 11,000 to 12,000 years ago and transitioned into the comparatively warmer period known as the Holocene (Campbell et al. 2014). The Qya_2 unit consists of unconsolidated, generally friable, stream-deposited silt, sand, and gravel on flood plains, locally including related alluvial fans and streambeds. Although the area mapped by Campbell and colleagues as Qya_2 generally consists of sediments with similar physical characteristics and ages, there are smaller scale deposits of Holocene-aged deposits contained within the sedimentary unit. In at least one case, a piece of human bone dated to the Middle Holocene was identified beneath more than 20 feet of alluvium within the Qya_2 unit.

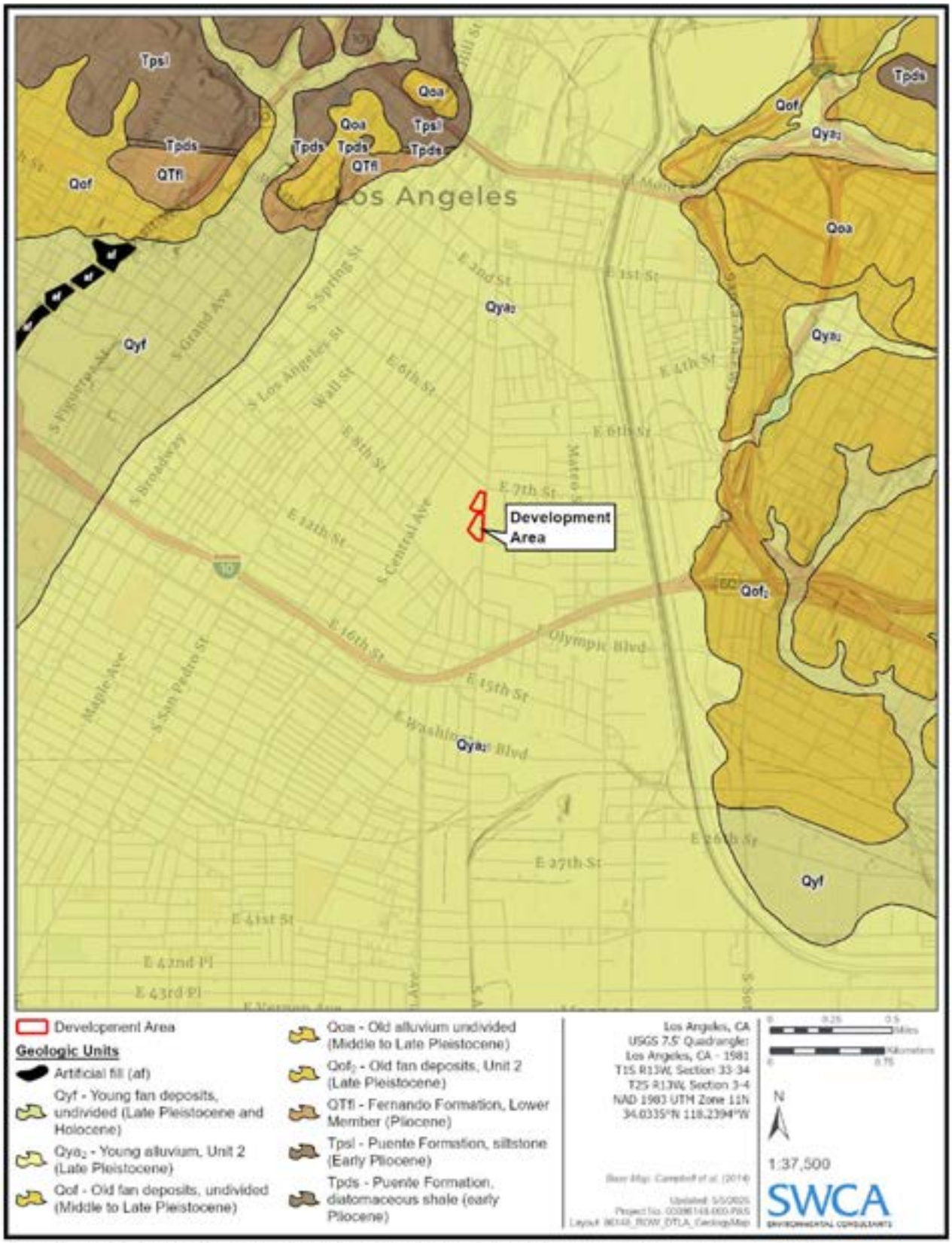

Figure 5. Surficial geology from Campbell et al. 2014. The Development Area is in a unit designated as Young Alluvium (Qya_2), which formed during the Late Pleistocene.

Old fan deposits in the region consist of gravel, sand, silt, and clay deposited along alluvial fans off the Santa Monica Mountains and are moderately to well consolidated and slightly to well cemented (Campbell et al. 2014; Dibblee 1991). There are comparatively older alluvial sediments formed in the Middle to Late Pleistocene—Old Alluvium (Qoa, Qof)—that are mapped as surface deposits to the east of the Development Area and likely underlay the Qya_2 unit, although the depth is likely to be highly variable and difficult to determine from sediment profiles.

Further detail on the sub-surface conditions was obtained through a geotechnical investigation of the Development Area conducted in 2023 by Group Delta, which involved drilling seven hollow-stem auger bores, performing eight cone penetration tests, and completing an analysis of the results. A technical memorandum for the Project with the preliminary results of the investigation indicates that up to 5 feet of undocumented fill was encountered in the borings taken across the Development Area (Bueno and Tsai 2023:1). Brick fragments were noted within the surficial fill stratum in all the bores.

Beneath the surficial fill are loose sediments down to a depth of 8 and 12 feet in the areas of Buildings A-B and Building C, respectively. The total depth of the bores ranged from 30 to 50 feet below grade. The loose sediments beneath the fill and the denser sands described below 15 feet appear to be composed of naturally deposited alluvium accumulated as flood plain deposits. Flood plain deposits from the Los Angeles River typically exhibit variations in the sequence of high- and low-energy depositional events. The alluvium consisted of various substratum composed of silty sand, poorly graded sand with silt, and well graded sand, which alternated in their stratigraphic sequence. Gravel content was generally low and did not exhibit much variation with depth. When present, the gravels were noted as being fine. Based on the sediment composition described in the geotechnical bore logs, there does not appear to be any evidence of high energy alluvial deposition. The sequence of silt and sand deposits are consistent with medium to low energy deposition from seasonal flooding along the Los Angeles River.

Hydrology

Several major watercourses drain the Los Angeles Basin, including the Los Angeles, San Gabriel, and Santa Ana Rivers and Rio Hondo. Flood events such as those recorded in the nineteenth and early twentieth centuries have produced massive deposits of alluvial sediments within the floodplain of the Los Angeles River, as well as the other major drainages in the Los Angeles Basin. Alluvial terraces formed where flooding water eroded uplifted landforms. In the area of Downtown Los Angeles, the backslopes in the location of Bunker Hill delineate the edge of the historical floodplain for the Los Angeles River. The south-flowing Los Angeles River is currently approximately 1.06 km (0.66 miles) west of the Development Area.

Historically, the primary channel of the Los Angeles River shifted its course multiple times within the Los Angeles Basin, oscillating between its current southerly course and one that flowed to the west from a point near the downtown area and then along the current course of Ballona Creek. Gumprecht (2001) plotted a speculative route for the former westerly courses and some of the shifts reported in the nineteenth century (Figure 6). Among the first recorded shifts is a shift that occurred in 1815 when floodwaters overflowed the former channel, shifting the course at least 0.8 km (0.5 mile) to the southwest, near the present route of Spring Street, and possibly flowing over or immediately adjacent to the existing Development Area. That flood is reported to have destroyed structures built as part of the original Los Angeles Pueblo (Gumprecht 2001:139–141) and may have also flooded all or parts of the Native American village site of Yaanga, which is believed to have been located nearby (see below, Native American Communities in Los Angeles).



Figure 6. Historical shifts in the Los Angeles River channels based on Gumprecht (2001:140) and areas of inundation.

Some shifts were more dramatic, changing by 90 degrees and altering the course of the river to the ocean. Before 1825, the river flowed west from what is now downtown Los Angeles and discharged into the Ballona Wetlands in what is now Playa del Rey. The river followed a western course approximated by Washington Boulevard and then turned southwest at the Baldwin Hills, flowing along the northwest-facing side of the slopes—the course now occupied by Ballona Creek (Gumprecht 2001:17). Heavy rains in 1825 caused the channel to overflow its banks and the Los Angeles River shifted its course fully south, emptying into the bay near San Pedro, where the river has discharged ever since. In subsequent years, the river would frequently shift its course within the southern floodplain, which in some areas measures up to 2 miles wide (Gumprecht 2001:16). However, these more dramatic shifts between the western and southern routes are likely to have occurred during most of the life of the watercourse, and certainly over during the last 13,000 years—the period in which there is evidence for Native Americans in southern California.

Flora and Fauna

The Development Area is in a fully urbanized setting and is devoid of natural vegetation and natural habitat for most endemic animal species. Even before the urbanization of the twentieth century, the ecology of the Los Angeles prairie had undergone a transformation during the preceding century as a result of ranching and agricultural practices that accompanied European settlement (see Schiffman 2005). Although there are fewer surviving examples of the pre-settlement ecology in the lower elevations compared with those of the surrounding hillsides, various attempts have been made to reconstruct the historical ecology of the Los Angeles Basin. Schiffman provides a cohesive summary of the vegetation structure and species composition for the Los Angeles Basin:

> Most steep hillsides were covered by impenetrably dense evergreen chaparral shrubs such as California lilac (*Ceanothus* spp.), chamise (*Adenostoma fasciculatum*), scrub oak (*Quercus berberidifolia*), and manzanita (*Arctostaphylos* spp.) or sparsely shrubby and drought deciduous coastal sage scrub vegetation that included buckwheat (*Eriogonum fasciculatum*), sages (*Salvia* spp.), and sagebrush (*Arternisia californica*). In contrast to the shrubby hills and mountain slopes the dense, clayey soils of the flat valleys and plains supported a diverse prairie vegetation of colorful ephemeral wildflowers mixed with grasses and other plants of low stature. In addition, woodlands of walnut (*juglans californica*) and oak (*Quercus agrifolia* and *Q. lobata*) were found in canyons and on some hillsides, and broad corridors of willow (*Salix* spp.), alder (*Alnus rhombifolia*), sycamore (*Platanus racemosa*), and mulefat (*Baccharis salicifolia*) lined the river floodplains and feeder creeks that dissected the landscape. (Schiffman 2005)

Küchler defined vegetation communities for the region, and the Development Area is situated in the unit designated as coastal sagebrush (Küchler 1977). In addition to the species Schiffman references, those found in the coastal sagebrush unit also include California aster (*Corethrogyne filaginifolia*), golden bush (*Isocoma menziesii*), coyote brush (*Baccharis pilularis*), encelia (*Encelia californica*), fuchsia-flowered gooseberry (*Ribes speciosum*), and monkey flower (*Mimulus aurantiacus*).

Along with the natural resources found within the inland environments, Native American communities in the Los Angeles Basin would have had access to plant, animal, and lithic resources along the coast and surrounding hills and mountains. Descriptions of these ecological conditions and the associated Native American uses of resources found therein is described elsewhere. For example, Lightfoot and Parrish (2009:253–277) provide a summary for coastal and inland settings for the southern California, an overview of the Santa Monica Mountains is included in King's (2011) report, and coastal environments are addressed in numerous studies such as those by Byrd and Raab (2007), Erlandson (1994), and Gamble (2008).

CULTURAL SETTING

Native American Archaeological Record

Over the years, researchers have devised numerous prehistoric chronological sequences to aid in understanding cultural changes at various scales (i.e., regional vs. local patterning) in southern California. California prehistory is generally divided into three broad temporal periods (i.e., Paleoindian, Archaic, and Emergent periods; see Fredrickson 1973, 1974, 1994) that reflect similar cultural characteristics throughout the state and were generally governed by climatic and environmental variables, such as the drying of pluvial lakes at the transition from the Paleoindian to the Lower Archaic. Numerous chronological sequences were also devised to characterize cultural changes on a smaller scale, within the subregion of southern California specifically.

Building on early studies and focusing on data synthesis and artifact types, Wallace (1955, 1978) developed a prehistoric chronology for the southern California coastal region that is still widely used today and is applicable to near-coastal and some inland areas. Wallace's prehistoric chronology for southern California was composed of four sequential horizons: Horizon I, Early Man; Horizon II, Milling Stone (hereafter Millingtstone); Horizon III, Intermediate; and Horizon IV, Late Prehistoric (Late Period). Although Wallace's 1955 synthesis initially lacked chronological precision due to a paucity of absolute dates (Moratto 1984:159), this situation has been alleviated by the availability of thousands of radiocarbon dates obtained by southern California researchers in the last several decades (Byrd and Raab 2007:217). As such, several revisions were subsequently made to Wallace's 1955 synthesis using radiocarbon dates and projectile point assemblages resulting in more refined chronologies and sequences (e.g., Koerper and Drover 1983; Koerper et al. 2002; Mason and Peterson 1994; see also Moratto 1984).

Additional primary syntheses for southern California prehistory were developed by Warren (1968) and King (1981, 1990), which used the growing archaeological datasets of specific subregions within southern California to define increasingly localized cultural sequences. Using the concepts of cultural ecology and cultural tradition, Warren (1968) proposed a series of six prehistoric traditions. Three of these traditions, the San Dieguito Tradition, Encinitas Tradition, and Campbell Tradition, correlated with Wallace's Horizons I, II, and III; and the Chumash Tradition, Takic Tradition (formerly "Shoshonean"), and Yuman Tradition are represented in Wallace's Horizon IV. These ecologically based traditions are applicable to specific regions within southern California. King (1981, 1990) later modified Wallace's (1955, 1978) sequence into three major periods of Chumash regional prehistory—Early, Middle, and Late—each of which contains phases or subphases. King's synthesis is based on stylistic changes in artifacts, particularly shell beads and ornaments, from Santa Barbara Channel burial assemblages, which he used to interpret the continuity in development of artifacts as an indication that Chumash culture developed locally in the last ~7,500 years. Arnold (1992) expanded King's chronology by adding a distinct Middle-to-Late Transition period, lasting from A.D. 1150 to 1300.

More recent efforts to synthesize various Native American archaeological chronologies for southern California incorporate geological time periods as a way of standardizing the terminology and emphasizing the correlation between human behavior and changes in the environment across different climatic periods. Figure 7 provides a reference point for the primary periods and cultural traditions discussed below along with chronologies denoted by "years before present" (BP) and calendar ages (B.C. and A.D.).[3]

[3] Elsewhere in this report uncalibrated radiocarbon ages are presented as radiocarbon years B.P. and their calibrated dates are expressed as cal BP

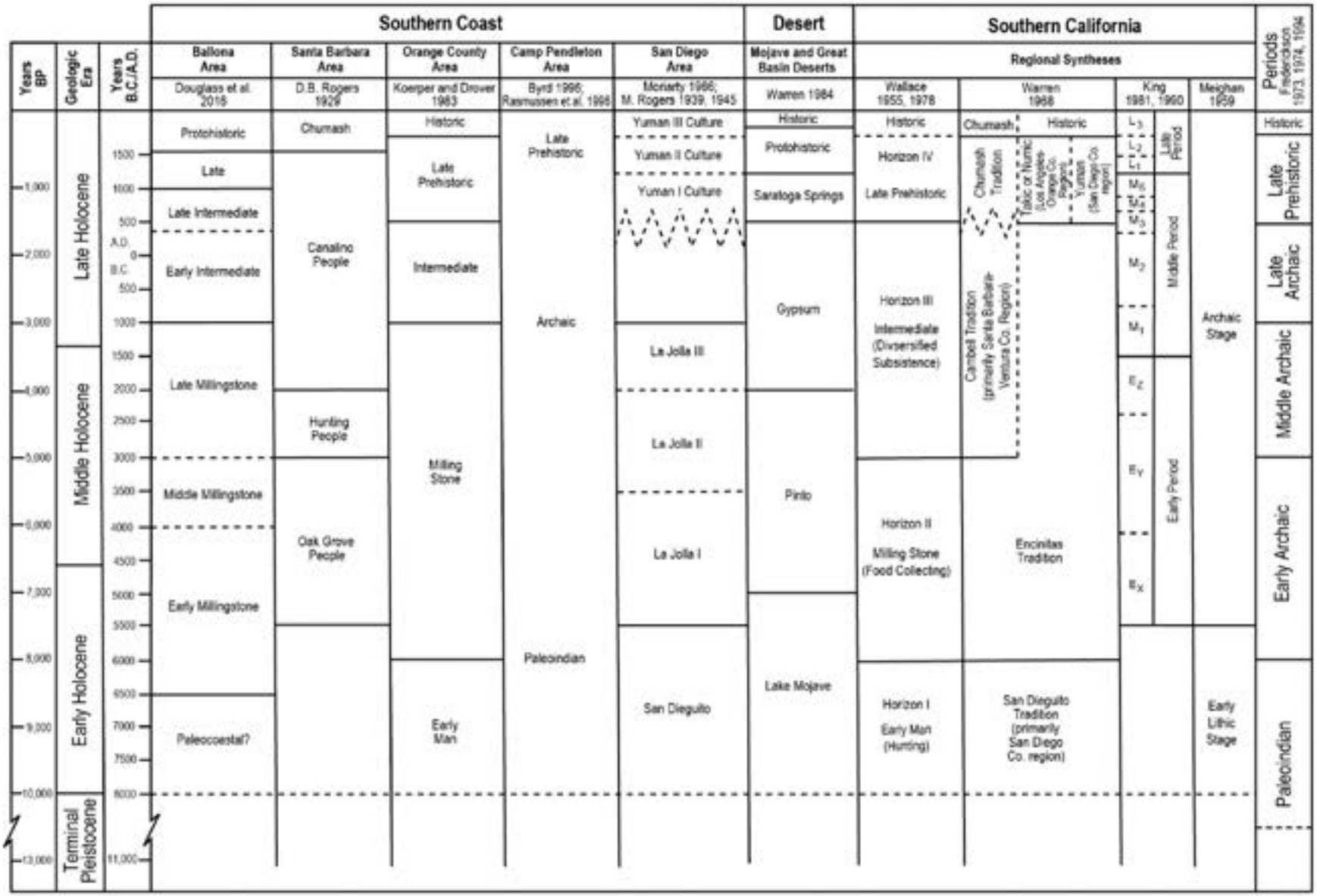

Figure 7. Chronological frameworks for southern California cultural traditions and archaeological contexts.

Terminal Pleistocene: Paleoindian / Paleocoastal Tradition (Before 11,700 BP)

Any discussion of human occupation of coastal areas during the Terminal Pleistocene (before 11,500 BP) must be prefaced with an understanding that sea level rise during this period of severely shifting climate inundated many kilometers of shoreline worldwide and along southern California coastlines specifically, submerging an unknown number of archaeological sites (i.e., Reeder-Myers et al. 2015). Therefore, any evidence that we do have of human occupation in what are now coastal settings is likely only a small fraction of what originally existed (see Erlandson et al. 2007, 2015).

The earliest evidence for human occupation in southern California is found on the northern Channel Islands, where multiple Terminal Pleistocene sites have been identified and dated in the past couple decades, firmly establishing the presence of early coastal-adapted people in the region (Erlandson et al. 1996, 2011, 2020; Erlandson and Braje 2008; Erlandson and Colton 1991). On Santa Rosa Island, human remains have been dated from the Arlington Springs site to approximately 13,000 years ago (Johnson et al. 2002). Recent excavations and radiometric dating of multiple archaeological assemblages on San Miguel, Santa Rosa, and Santa Cruz islands document Paleoindian technologies, subsistence strategies, and seasonality of site occupation during the latter part of the Terminal Pleistocene (~11,700 BP), with similarities to the Western Stemmed Tradition found across much of western North America (Braje et al. 2013; Erlandson 2013; Erlandson et al. 1987, 2011, 2020; Erlandson and Braje 2008; Jew et. al 2013; Rick et al. 2013).

Finely crafted chipped stone crescents like those recorded on the northern Channel Islands as part of the Paleocoastal toolkit were also found in surficial contexts on San Nicolas Island, suggesting an earlier occupation for the southern Channel Islands as well (Davis et al. 2010). It is possible that similarly early sites were present on the mainland California coast as well; however, the rate and degree of development beginning with Spanish colonization and continuing to the present has likely destroyed most early sites along the California mainland coast. Nevertheless, three fluted points representing the Clovis culture have been found in southern California mainland coastal areas, including one in Santa Barbara County (Erlandson et al. 1987), one in Los Angeles County near Malibu (Stickel 2000), and one in El Morro Canyon, in what is now Crystal Cove State Park in Orange County (Fitzgerald and Rondeau 2012). Additionally, numerous fluted projectile points of the Clovis and Folsom Traditions have been reported from inland contexts in central and southern California (e.g., Davis 1975; Dillon 2002; Moratto et al. 2011; Riddell and Olsen 1969; Rondeau 2006; Yohe II and Gardner 2016).

Early Holocene (~11,700 to 7000 BP)

HORIZON I: EARLY MAN

During the early twentieth century, several sensationalized finds were thought to be evidence of "Early Man" in the Los Angeles Basin; however, subsequent analyses have not held up as hoped. First, in 1914 human remains were found in direct association with extinct Pleistocene fauna at the La Brea Tar Pits (LAN-159/H) (Merriam 1914). Though early estimates suggested that this find extended up to 34,000 years ago, radiocarbon dating has since shown these remains to have an estimated age range of approximately 9,000 to 4,450 BP (Berger et al. 1971; Payen 1970), with the most recent redating using accelerator mass spectrometry (AMS) providing a calibrated[4] date range of ~10,200 cal BP (Fuller et al. 2016), placing this individual at the transition between the Paleocoastal/Paleoindian period and the Millingstone period. A second early discovery at Angeles Mesa in Baldwin Hills (the Haverty, or Angeles

[4] Uncalibrated radiocarbon ages are presented as radiocarbon years B.P. and their calibrated dates are expressed as cal B.P.

Mesa site, LAN-171) included partially mineralized skeletal remains of several individuals found in depths up to 7 m below surface (Brooks et al. 1990; Stock 1924). Issues with the various methods used to date these bones remain unresolved, however, and analyses have returned estimated dates of more than 50,000 years ago based on amino acid racemization (Taylor et al. 1985) and radiocarbon date ranges that span 3,870 ± 350 to 15,900 ± 50, representing an unacceptably large margin of error for a single individual (Berger et al. 1971; Brooks et al. 1990). There are similar concerns related to the age of remains referred to as "Los Angeles Man"—designated as LAN-172 (Lopatin 1940)—which were discovered in a similar depositional context less than 2 miles from the Haverty site in 1936 (Brooks et al. 1990; Erlandson et al. 2007:54).

Mainland sites attributed to Horizon I generally indicate that the economy was a diverse mixture of hunting and gathering, with a major emphasis on aquatic resources in many coastal areas (e.g., Jones et al. 2002) and a greater emphasis on large-game hunting inland. Fundamental elements of lithic tool technology described by Wallace (1955) for this period include numerous scrapers, choppers, chipped and notched crescents, and large blades and points. Wallace (1955) also describes clam shell and bone beads, along with an absence of seed grinding implements from the site type for this period, Malaga Cove. Several sites in Orange and San Diego Counties contain components that date between 9,000 and 10,000 years ago (Byrd and Raab 2007:219; Macko 1998a:41; Mason and Peterson 1994:55–57; Sawyer and Koerper 2006), and radiocarbon dates from the Goleta Slough area in Santa Barbara County indicate occupations spanning ca. 9300–8400 cal BP (ca. 7300–6400 B.C.) with a primary subsistence focus on lagoon/bay shellfish (Owen et al. 1964).

Middle Holocene (7000 to 4000 BP)

HORIZON II: MILLINGSTONE

The Millingstone horizon corresponds to the Early Holocene when rising sea levels continued to encroach on coastlines, though global climate was slowly stabilizing. Set during a warmer and drier climatic regime than the previous horizon, the Millingstone horizon is characterized by subsistence strategies centered on collecting plant foods and small animals, though in coastal areas where archaeological assemblages have been preserved there is also ample evidence of marine resource use during this time as well (Connolly et al. 1995; Rick et al. 2001). The importance of seed processing is apparent in the dominance of stone grinding implements in archaeological assemblages from this period, namely milling stones (metates) and hand stones (manos) (Erlandson 1991, 1994; Moriarty 1966; Warren 1967). The variety of site types from this period indicate a mobile settlement pattern, and recent research indicates that Millingstone horizon food procurement strategies varied in both time and space, reflecting divergent responses to variable coastal and inland environmental conditions (Byrd and Raab 2007:220).

Millingstone assemblages are characterized by the extensive use of milling implements (particularly manos and metates) and mullers along with scraper planes, choppers, and core tools and a general lack of finely crafted projectile points, though leaf-shaped points believed to be darts are present. The general lack of faunal remains along with bone and shell tools at some sites dated to this period have led researchers to suggest a stronger reliance of plant food resources (i.e., seeds) with only a minor focus on hunting. Several sites have been described for this horizon throughout southern California, including Little Sycamore in Ventura, Porter Ranch in San Fernando, and the La Jolla shellmounds in San Diego. Los Angeles County sites with Millingstone components include Malaga Cove (Level 2, LAN-138; Walker 1952), the Tank Site (LAN-1) in Topanga Canyon (Heizer and Lemert 1947; Treganza and Bierman 1958), the Zuma Creek site (LAN-174; Wallace 1955; see also Ascher 1959), the Sweetwater Mesa site (LAN-267; King 1967), the Shobhan Paul site (LAN-958; Porcasi and Porcasi 2006; Salls 1995); and the Parker Mesa site (LAN-215; King 1962). Primary sites with Millingstone components

in Orange County include Bolsa Chica (ORA-83; Herring 1961, 1968), ORA-64 (Drover et al. 1983; Macko 1998b), and the Landing Hill site (Cleland et al. 2007).

HORIZON III: INTERMEDIATE

This horizon corresponds with the Middle Holocene and early Late Holocene time periods geologically and marks the point when current shorelines were established in most parts of the world. Consequently, evidence for marine resource use appears to increase after 5,000 to 6,000 years ago. The Intermediate horizon is characterized by a shift toward a hunting and maritime subsistence strategy, along with a wider use of plant foods. An increasing variety and abundance of fish, land mammal, and sea mammal remains are found in sites from this horizon along the California coast. Related chipped stone tools suitable for hunting, including side-notched projectile points, are more abundant and diversified, and shell fishhooks became part of the toolkit during this period. Mortars and pestles became more common during this period, gradually replacing manos and metates as the dominant milling equipment and signaling a shift away from the processing and consuming of hard-shelled seed resources to the increasing importance of fleshier fruits like the acorn (e.g., Glassow et al. 1988; True 1993).

Technological markers described by Wallace (1955) for this horizon consist of basket-hopper mortars, mortar and pestle, diverse and plentiful chipped stone assemblages with broad leaf-shaped blades and heavy often stemmed projectile points, bone and antler tools are present to some degree but not in the quantity seen during later phases, along with occasional use of bitumen (asphalt) and steatite. Faunal assemblages often include terrestrial mammals representing wild game, along with some marine mammal bones and often high densities of shellfish remains.

The Middle Holocene also marks a time of cultural innovation in the archaeological record of California. Significant cultural developments are seen in the increasing formation of larger settlements, the intensification of long-distance trade networks including distinct cultural spheres throughout western North America, and the elaboration of art and personal aesthetics (e.g., shell and stone pendants and increasing variety of shell bead types and styles) (Erlandson and Glassow 1997; Glassow 1997; Howard and Raab 1993; Jenkins and Erlandson 1996; King 1990; Raab and Howard 2002; Vellanoweth 2001).

There is also evidence suggesting migrations into coastal southern California by desert peoples from the east during the Intermediate period based on changes in mortuary practices (i.e., cremations), the presence of desert tanged projectile points, and increased numbers of stone as opposed to shell beads. This question has been discussed by several archaeologists (Koerper 1979; Kowta 1961; Kroeber 1925; Moratto 1984; True 1966; Van Horn 1987, 1990) with most suggesting an arrival date of approximately 1500 cal BP, though some argue for a much earlier migration at around 3500 cal BP, which coincides with the Millingstone/Intermediate period transition (Sutton 2009). Of course, it is possible, and even likely, that multiple migrations of various scale occurred over the course of hundreds, or thousands, of years.

Late Holocene (3000 BP to Spanish Colonization)

HORIZON IV: LATE PREHISTORIC

In the Late Prehistoric horizon, there was an increase in the use of plant food resources in addition to an increase in terrestrial and marine mammal hunting. There was a concomitant increase in the diversity and complexity of material culture during the Late Prehistoric horizon, demonstrated by more classes of artifacts. The recovery of a greater number of small, finely chipped projectile points suggests increased use of the bow and arrow rather than the atlatl (spear thrower) and dart for hunting. Steatite cooking vessels and containers are also present in sites from this time, and there is an increased presence of composite bone gorges and circular shell fishhooks; perforated stones; arrow shaft straighteners made

of steatite; a variety of bone tools; and personal ornaments such as beads made from shell, bone, and stone. Olivella shell bead styles include a variety of wall and callus beads in addition to the previous spire-lopped, and cup beads. There was also an increased use of asphaltum (also known as bitumen) for waterproofing basketry and caulking canoes and as an adhesive. (Late Prehistoric burial practices are discussed in the Ethnographic Overview section below.)

Technological markers of this horizon as described by Wallace (1955) include the increased use of the bow and arrow, stemless points with concave or convex bases, steatite containers, widespread and use of asphaltum as adhesive, increased abundance and types of bone tools as well as shell, bone, and stone ornaments. Wallace also describes notable distinctions between northern and southern groups during this period including less pottery north of Orange County, where steatite vessels were more prevalent, and the presence of portable mortars and pestles and basket-hopper slabs in the north with bedrock mortars and milling stones being more prevalent in the San Diego area.

By A.D. 1000, fired-clay smoking pipes and ceramic vessels were being used at some sites (Drover 1971, 1975; Meighan 1954; Warren and True 1961). The scarcity of pottery in coastal and near-coastal sites implies that ceramic technology was not well developed in that area, or that occupants were trading with neighboring groups to the south and east for ceramics. The lack of widespread pottery manufacture is usually attributed to the high quality of tightly woven and watertight basketry that was caulked with bitumen (asphaltum) and functioned in the same capacity as ceramic vessels.

During this period, there was an increase in population size accompanied by the advent of larger, more permanent villages (Wallace 1955:223) particularly at the mouths of large mainland coastal canyons and drainages with year-round water supplies (McLendon and Johnson 1999). Large populations and, in places, high population densities are characteristic, with some coastal and near-coastal settlements containing as many as 1,500 people. Many of the larger settlements were permanent villages with year-round residents. The populations of these villages may have also increased seasonally.

In Warren's (1968) cultural ecological scheme, the period between A.D. 500 and European contact, which occurred as early as 1542, is divided into three regional patterns: Chumash/Canaliño (Santa Barbara and Ventura Counties), Takic/Numic (Los Angeles, Orange, and western Riverside Counties), and Yuman (San Diego County). The seemingly abrupt introduction of cremation, pottery, and small triangular arrow points in parts of modern-day Los Angeles, Orange, and western Riverside Counties at the beginning of the Late Prehistoric period is thought to be the result of a Takic migration to the coast from inland desert regions. Modern Gabrielino, Juaneño, and Luiseño people in this region are considered the descendants of the Uto-Aztecan, Takic-speaking populations that settled along the California coast in this period.

Gabrielino Ethnography

The Development Area was historically occupied by the Gabrielino, whose lands encompassed portions of current day Los Angeles, Orange, San Bernadino, and Riverside Counties (Bean and Smith 1978:538; Kroeber 1976:Plate 57). Surrounding Native groups included the Chumash and Tatataviam/Alliklik to the north, the Serrano to the east, and the Luiseño/Juaneño to the south (Figure 8). The interaction between the Gabrielino and many of their neighbors in the form of intermarriage and trade was regularly documented in ethnographic accounts. The name "Gabrielino" (also spelled Gabrieleno and Gabrieleño) denotes those people who were associated with Mission San Gabriel, whereas those who were associated with the nearby Mission San Fernando were referred to as Fernandeño. In the Mission and Rancho periods, Mission San Gabriel included Natives of the greater Los Angeles area, as well as members of surrounding groups such as Kitanemuk, Serrano, and Cahuilla.



Figure 8. Native American tribal territories.

There is little evidence that the people we call Gabrielino had a broad term for their group (Dakin 1978:222). Instead, it appears that people identified themselves as inhabitants of a specific community with locational suffixes. For example, a resident of Yaanga was called a Yabit, which Johnston likened to the way that a resident of New York is called a New Yorker (Johnston 1962:10). Native words suggested as labels for the broader group of Native Americans in the Los Angeles region include Tongva (or Tong-v) (Merriam 1955:7–86) and Kizh (Kij or Kichereno) (Heizer 1968:105), and many present-day descendants have taken on their preferred group name. The term Gabrielino is used in the remainder of this report to designate Native people of the Los Angeles Basin and their descendants.

The Gabrielino subsistence economy was centered on gathering and hunting. The surrounding environment was rich and varied, and the people used resources in mountains, foothills, valleys, deserts, riparian, estuarine, and open and rocky coastal eco-niches. As was the case for Native people throughout California, acorns were the staple food and had been an established part of the diet by the time of the Early Intermediate period. Inhabitants supplemented acorns with the roots, leaves, seeds, and fruits of a variety of flora (e.g., islay, cactus, yucca, sages, and agave). Freshwater and saltwater fish, shellfish, birds, reptiles, and insects, as well as large and small mammals, were also consumed (Bean and Smith 1978:546; Kroeber 1925:631–632; McCawley 1996:119–123, 128–131).

The Gabrielino used a variety of tools and implements to gather and collect food resources, including the bow and arrow, traps, nets, blinds, throwing sticks and slings, spears, harpoons, and hooks. Groups residing near the ocean used oceangoing plank canoes and tule balsa canoes for fishing, travel, and trade between the mainland and the Channel Islands (McCawley 1996:7). Gabrielino people processed food with a variety of tools, including hammer stones and anvils, mortars and pestles, manos and metates, strainers, leaching baskets and bowls, knives, bone saws, and wooden drying racks. Food was consumed from a variety of vessels including soapstone bowls and Catalina Island steatite was used to carve ollas and cooking vessels (Blackburn 1963; Kroeber 1925:629; McCawley 1996:129–138).

At the time of Spanish colonization, the basis of Gabrielino religious life was the Chinigchinich, centered on the last of a series of heroic mythological figures. Chinigchinich gave instruction on laws and institutions and taught the people how to dance as a form of religious practice. He later withdrew into heaven, where he rewarded the faithful and punished those who disobeyed his laws (Kroeber 1925:637–638). The origins of the Chinigchinich are somewhat unclear as it seems to have been relatively new when the Spanish arrived. It was spreading south into the southern Takic groups even as Christian missions were being built and may represent a mixture of native and Christian belief and practices (McCawley 1996:143–144).

Deceased Gabrielino were either buried or cremated, with inhumation more common on the Channel Islands and the neighboring mainland coast, and cremation predominating on the remainder of the coast and in the interior (Harrington 1942; McCawley 1996:157). Remains were buried in distinct burial areas, either directly associated with villages or without apparent village association (Altschul et al. 2007). Cremation ashes have been found in archaeological contexts buried within stone bowls and in shell dishes (Ashby and Winterbourne 1966:27), as well as scattered among broken ground stone implements (Cleland et al. 2007). Archaeological data such as these correspond with ethnographic descriptions of an elaborate mourning ceremony that included a variety of offerings, including seeds, stone grinding tools, otter skins, baskets, wooden tools, shell beads, bone and shell ornaments, and projectile points and knives. Offerings varied with the sex and status of the deceased (Dakin 1978:234–365; Johnston 1962:52–54; McCawley 1996:155–165).

For more than 2,500 years, the Gabrielino and their predecessors practiced the kotuumot kehaay, or mourning ceremony, an important community ritual by which the living assisted the soul of the deceased on its journey to the land of the dead (Hull 2011, 2012; Hull et al. 2013). It was not only an act of loving

remembrance; the Gabrielino believed that the spirits of the deceased were dangerous and must be treated properly lest they molest the living (Boscana 1978). Observed every 1 to 4 years to commemorate those who had died since the previous iteration, the 8-day mourning ceremony was either conducted in late summer or in the same month as the person to be honored had died. The ceremony included four primary rites: ritual clothes washing, clothes burning, image burning, and a distribution of the property of the dead. It took place within a 5-yard-diameter circular brush enclosure called a yovaar, which was decorated with poles at cardinal directions topped with figures, or around a 40- to 50-foot-high central kotuumut pole that was painted in various colors representing body parts and erected in a pit in the ground surrounded by offerings of food, clothing, baskets, beads, and money. It included a hosted feast, paid dancers, and the ritual destruction and burial of valuable goods (McCawley 1996:161–165; Merriam 1955).

Hugo Reid, a Scottish immigrant married to a Gabrielino woman and owner of San Gabriel Mission in the 1840s, described the post-burial treatment of grave goods by the Gabrielino in his 1852 letters:

> When a person died, all the kin collected to lament and mourn his or her loss. After lamenting a while a mourning dirge was sung. If the deceased were the head of the family, or a favorite son, the hut in which he died was burned up, as likewise all of his personal effects, reserving only some article or another, or a lock of hair. This reservation was not as a memento of the deceased, but to make a feast with on some future occasion, generally after the first harvest of seeds and berries. (Dakin 1978:235)

Discussing the culmination of the ceremony itself, Reid continued:

> On the eighth day the…old women were employed to make more food than usual, and when the sun was in its zenith, it was distributed, not only among the actors, but to the spectators likewise. After eating, a deep hole was dug, and a fire kindled in it, when the articles reserved at the death of relatives were committed to the flames; at the same time, baskets, money, and seeds were thrown to the spectators, as in the marriage ceremony. During the burning process, one of the seers, reciting mystical words, kept stirring up the fire to ensure the total destruction of the things. The hole was then filled up with earth and well trodden down. The feast was over. (Dakin 1978:242–243)

This mourning ceremony has deep roots in southern California, predating the Spanish period (1769–1834) by at least 2,000 years (Hull et al. 2013). It was also reportedly practiced in mid-nineteenth century Gabrielino communities in San Fernando, Piru, and Saticoy (Blackburn 1976:232), in neighboring Luiseño- and Cahuilla-speaking regions, including the greater Los Angeles area (Dietler et al. 2018; Morris et al. 2016).

Continuity After Colonization

The traditional lifeways of Native California peoples were dramatically altered by the Spanish mission system and later Mexican and American settlement of the area. The incursion of these new groups also introduced diseases that devastated many indigenous populations. The dissolution of their culture alienated them from their traditional subsistence patterns, social customs, and marriage networks. European diseases, against which they had no immunity, reached epidemic proportions, and Gabrielino populations were rapidly decimated (Johnson 1987). The increase in agriculture and the spread of grazing livestock into their collecting and hunting areas made maintaining traditional lifeways increasingly difficult. Although many Gabrielino were eventually subsumed by the mission system, some refused to give up their traditional existence and escaped into the interior regions of the state, where they survived as refugees living with other tribes.

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Many researchers have brought attention to the role of Native American labor in developing and sustaining the Spanish and Mexican settlements providing crucial services and highly skilled roles across multiple types of industry (Akins and Bauer Jr. 2021; Anderson 2005:81–82; Hackel 1998, 2005:272–320; Phillips 2010; Silliman 2001).

> The involvement of Native American groups in any of the standard colonial institutions in the Americas—missions, ranchos, trade outposts, presidios, forts, and secular towns—revolved around labor, even in contexts of frequent interethnic marriage. Sometimes colonial groups forced labor on native societies; other times, indigenous peoples found colonial labor opportunistic and capitalized on it. In either case, labor constituted one of the primary and most influential interpersonal and intercultural relations in pluralistic colonial communities. (Silliman 2001:379–384)

Gabrielino acquired equestrian skills used in herding, corralling, and branding cattle, and they routinely conducted the work of killing and skinning livestock. They demonstrated an aptitude for the engineering needed to create irrigation systems—finding grades, laying out ditches, and managing watering regimes. Irrigation was crucial for supplying domestic supplies and agriculture, especially wine making, which also relied on Gabrielino to plant the grapevines. Native American women and children provided crucial household chores within the ranchos across the Los Angeles Basin: "Most of those (Native Americans) who left the missions remained close by, often in their traditional tribal homeland, and worked on ranchos" (Akins and Bauer Jr. 2021:112).

During the American period, Native Americans found work in citrus groves and other large-scale agricultural operations. During the twentieth century, Native Americans affiliated with tribes from outside the region increasingly came to Los Angeles, some out of necessity or in pursuit of new opportunities, and others because of the federal government's termination and relocation policies (Akins and Bauer Jr. 2021:266). Native American workers made important contributions to several of the industries important during the early and middle parts of the twentieth century, such as aviation and film.

Whereas the contribution of Native American labor is clearly critical to an account of local history, Phillips offers an important consideration in terms of the motivation for considering this perspective.

> By examining how Indians adjusted to the new work regime and by describing how many became efficient workers, the focus remains on Indians themselves. Recognizing adaptation and efficiency, however, is far different from approving the system in which they were achieved…The missions radically altered Indian culture, but they did not destroy Indian people. Even secularization—the systematic breakup of the mission system in the 1830s—was not designed to destroy Indians. In fact, Indians played an important role in this crucial event in California history, a role downplayed by some historians. (Phillips 2010:17–19).

It is estimated that several thousand Gabrielino descendants currently live in the Los Angeles area, though no reservations or rancherias were ever set aside, and no tribal organizations are federally recognized. Gabrielino descendants are represented by the following tribal organizations who actively strive to maintain their cultural legacy: Gabrielino-Tongva Indians of California Tribal Council, the Gabrielino-Tongva Indian Tribe, the Gabrielino/Tongva Nation, the Gabrielino/Tongva San Gabriel Band of Mission Indians, and the Gabrieleño Band of Mission Indians – Kizh Nation.

Locating Former Native American Settlements, Placenames, and Sites

In general, it has proven difficult to establish the precise location of Native American settlements occupied immediately preceding and following Spanish arrival in California approximately 250 years ago (McCawley 1996:31–32). Many of the settlements and so-called villages had long since been abandoned by the time ethnographers, anthropologists, and historians attempted to document any of their locations, at which point Native American lifeways had been irrevocably changed. McCawley quotes Kroeber (1925:616) in his remarks on the subject, writing that "the opportunity to prepare a true map of village locations 'passed away 50 years ago'" (McCawley 1996:32). Thus, even with ethnographic, historical, and archaeological evidence, it can be difficult to conclusively establish whether any given assemblage represents the remains of the former village site.

Several factors have confounded efforts to reidentify former Native American settlements. First, many settlements were recorded with alternative names and spellings. In some cases, Spanish-era rancho grants may have bounded Native American villages, and in others the Spanish ranchos adopted Native American placenames, such as Kaweenga, Tujunga, Topanga, and Cucamonga. Second, there have been conflicting reports on the meaning and locational reference of the placenames. In addition to differences in the interpretation of a given word, some of the placenames refer to a site using relatively vague terms that could fit several possible locations, or the word may reference a natural feature that no longer exists such as a type of plant that once grew in an area now fully urbanized. Third and perhaps most importantly, Native American placenames recorded in historic records and reported in oral histories did not necessarily represent a continually occupied settlement within a discrete location, which is how the term "village" is commonly understood today. Instead, in at least some cases, the settlements were represented by several smaller camps scattered throughout an approximate geography, shaped by natural features that were subject to change over generations (Ciolek-Torello and Garraty 2016; Johnston 1962:122). Furthermore, the criteria for what constitutes a village site have been especially lacking in consistency and specificity, even within a strictly academic context (see summary by Ciolek-Torello and Garraty [2016:69]). Much of the debate in this regard concerns whether sites were occupied on a permanent or temporary basis, and archaeological data do not always provide unequivocal evidence to make a reliable classification for a given site.

Still, within the range of terms put forth to characterize different types of Native American settlements, there are conventions and core insights shared among scholars. Prehistoric sites in coastal California, for example, are commonly referenced in archaeological sources as residential sites, habitation sites, and seasonal camps, whereas the term *village* is more often used to reference Mission period settlements such as the Chumash sites of Humaliwo, Helo', and Muwu, or Luiseño sites such as Topomai (Ciolek-Torello and Garraty 2016:69). These Spanish and Mexican period sites are also sometimes referred to as rancherias—a term with connotations for a more permanent settlement and often used synonymously with village. The convention was established in 1852 by Hugo Reid who published the first list of Native American placenames in the Los Angeles area, which was by no means comprehensive (Stoll et al. 2016:387–389). The more generic terms of *settlement* and *site* will be used in this report and refer to places where Native American communities were once gathered. Native American sites may also refer to locations where archaeological materials, including human remains, have been identified. Such locations may consist of one or more known archaeological resources or a general area in which an archaeological resource could exist.

NATIVE AMERICAN COMMUNITIES IN LOS ANGELES

The precise location of most Native American villages in the Los Angeles Basin is subject to much speculation, maps depicting villages throughout the greater Los Angeles area show these sites located along rivers or streams. In some cases, Spanish-era rancho grants may have bounded Native American

villages, and in others the Spanish ranchos adopted Native American placenames, such as *Kaweenga, Tujunga, Topanga,* and *Cucamonga.* Alternative names and spellings for communities, and conflicting reports on their meaning or locational reference further complicate efforts at determining the location of actual village sites. Native American placenames referred to at the time of Spanish contact did not necessarily represent a continually occupied settlement within a discrete location, rather in at least some cases, the communities were represented by several smaller camps scattered throughout an approximate geography, shaped by natural features that were subject to change over generations (see Johnston 1962:122). Many of the villages had long since been abandoned by the time ethnographers, anthropologists, and historians attempted to document any of their locations, at which point the former village sites were affected by urban and agricultural development, and Native American lifeways had been irrevocably changed. McCawley quotes Kroeber for his remarks on the difficulty of reliably locating former village sites, writing that "the opportunity to prepare a true map of village locations 'passed away 50 years ago'" (Kroeber 1925:616 as cited in McCawley 1996:32). Thus, even with ethnographic, historical, and archaeological evidence, it can be difficult to conclusively establish whether any given assemblage represents the remains of the former village site.

The following sections provide summaries of the named settlements closest to the Development Area, including Yaanga and Geveronga, which are both reported to have been in the downtown area of Los Angeles (McCawley 1996:57).

Yaanga and Settlements in Downtown Los Angeles

Although the precise location of any given village is subject to much speculation, it is clear the banks of the Los Angeles River were home to many Gabrielino villages throughout the greater Los Angeles area (Figure 9). The closest ethnographically documented village to the Development Area is Yaanga (alternative spellings and names include Yang-na, Yangna, and Yabit) (see Figure 9). Although the actual location is disputed, generally Yaanga is believed to have been located near present-day Union Station, approximately 2.25 km (1.4 miles) north of the Development Area (McCawley 1996:57; Morris et al. 2016). Yaanga is among the major Native American communities encountered by the Portola party when they passed through the Los Angeles Basin in 1769 and was perhaps the largest Gabrielino settlement within the Los Angeles Basin. The location of Yaanga has long been considered synonymous with that of Los Angeles, first as the Spanish pueblo, then the town and city.

Historians and archaeologists have presented multiple possible village locations in the general area surrounding Union Station; however, like the Los Angeles Pueblo itself, it is likely that the village was relocated from time to time due to major shifts of the Los Angeles River during years of intense flooding. Dillon (1994) presented an exhaustive review of the potential locations, most within several blocks of the Los Angeles Plaza, in the location of present-day Olvera Street near Union Station. Johnston (1962:122) concluded that "in all probability *Yangna* lay scattered in a fairly wide zone along the whole arc [from the base of Fort Moore Hill to Union Station], and its bailiwick included as well seed-gathering grounds and oak groves where seasonal camps were set up." A second settlement, Geveronga, was recorded in mission registers and has also been described in ethnographic accounts as immediately adjoining the Pueblo of Los Angeles (McCawley 1996:57). The approximated location for Geveronga is 4.46 km (2.8 miles) northwest of the Development Area (see Figure 9). By contrast to Yaanga, very little is known about Geveronga, except that it was mentioned in ethnographic accounts as having been a settlement immediately adjoining the Pueblo of Los Angeles, and that Mission San Gabriel records identify 31 people as having come from here between 1788 and 1809 (McCawley 1996:57).

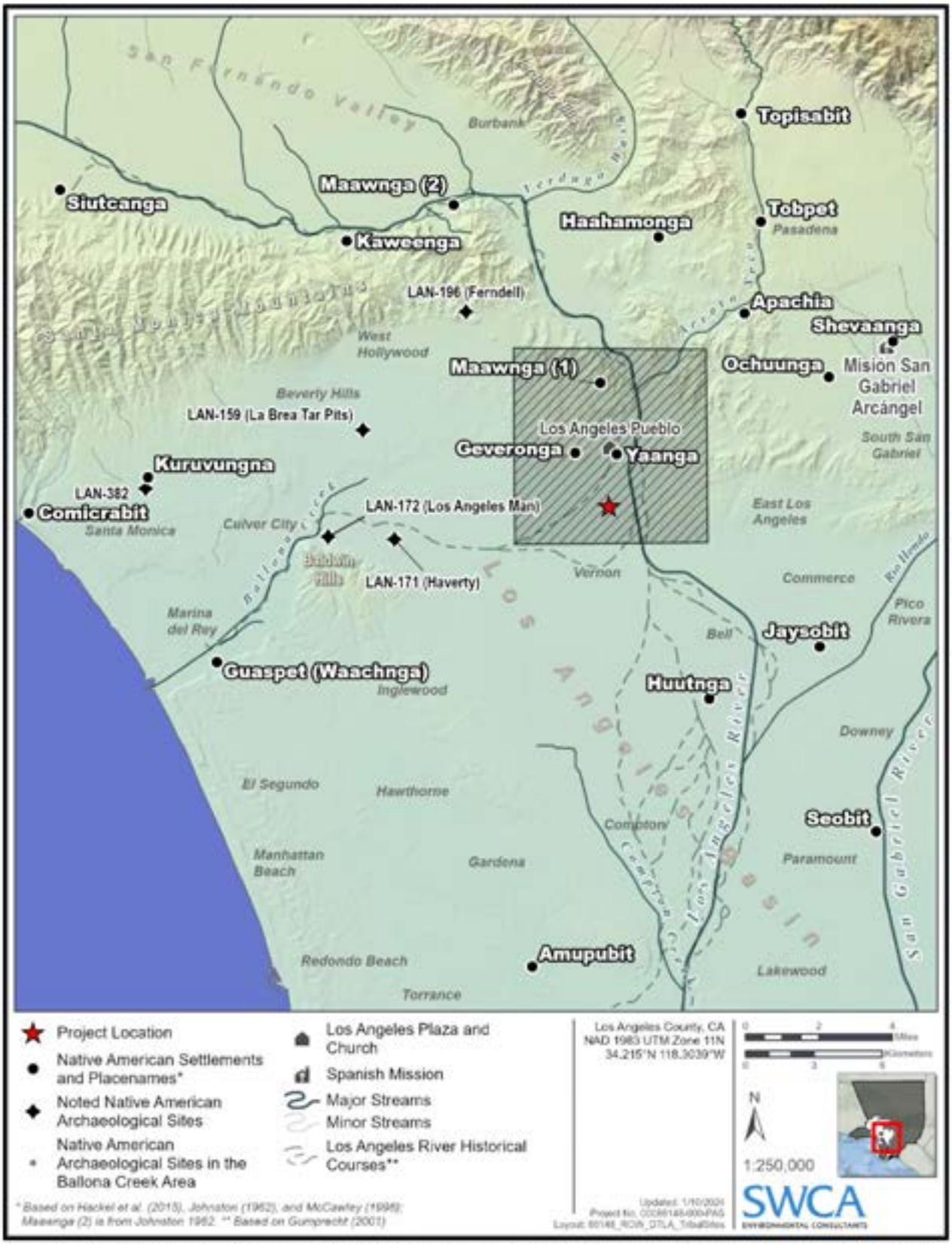

Figure 9. Native American communities and sites in the greater Los Angeles area; locations from Hackel et al. (2015) and Gumprecht (2001).

Yaanga Post 1781

After the settlement of Los Angeles in 1781, Yaanga faced many new challenges because of its proximity to the new city. The last recorded birth at Yaanga is believed to have been in 1813, after which the village was forced to relocate south of the original site (Morris et al. 2016:97). This new village, known as Ranchería de los Poblanos by the Angelenos, is believed to have been located at the intersection of Los Angeles Street and 1st Street, approximately 1.9 km (1.18 miles) north of the Development Area (Morris et al. 2016:96–97). This rancheria existed for approximately 10 years, between 1826 and 1836, after which the indigenous population was forced to relocate to a plot of land near Commercial and Alameda Streets where it persisted for another approximately 10 years from 1836 and 1845 (Morris et al. 2016). Then nearby landowners started registering complaints and the Native American community was once again forced to relocate even further east, across the Los Angeles River to a site called Pueblito, which itself was razed in 1847. This coincided with legislation passed to require the remaining Native American population to live in dispersed settlements or with their employers throughout the city.

There was another rancheria within the boundaries of Los Angeles during this time: Rancheria de los Pipimares. The rancheria may have been in existence from as early as 1820 but ceased to exist after 1846 (Morris et al. 2016). Archival research identified the likely location of Rancheria de los Pipimares to be within the area of San Pedro and 7th Streets, approximately 1 km (0.62 mile) northwest of the Development Area (Morris et al. 2016).

Evidence for Yaanga

Aside from the ethnographic evidence suggesting the location of these villages, little direct, indisputable archaeological evidence for the location of either village has been produced to date. Archaeological materials reportedly were unearthed during the construction of Union Station in 1939 (2.25 km [1.4 miles] north of the Development Area), and "considerably more" in 1970 during the rebuilding of the Bella Union Hotel on the 300 block of North Main Street (2.17 km [1.35 miles] north of the Development Area) (Johnston 1962:121; Robinson 1979:12). The preponderance of available evidence indicates that there were one or more early Historic period Native American communities west of the Los Angeles River near the original plaza site. This assumption is supported through several lines of ethnographic evidence, including the expedition journal of Fr. Juan Crespi and engineer Miguel Costansó, both of whom were associated with the 1769 Portolá expedition. The notes from these sources indicate the village was located between 2.0 and 2.4 km (1.3 and 1.5 miles) west-southwest from the Los Angeles River on high and level ground. The Pueblo of Los Angeles was documented to have been founded directly adjacent to this village. The location of Yaanga was also referenced by long-time Los Angeles resident Narciso Botello and Gabrielino consultant José María Zalvidea, who indicated that Yaanga was originally located adjacent to the original site of the Los Angeles Plaza (Morris et al. 2016:112).

During construction of the Metropolitan Water District headquarters building in the mid-1990s, approximately 2.15 km (1.34 miles) south of the Development Area, an archaeological site (LAN-1575/H) was identified and included a substantial Native American component composed of artifacts and primary interments and cremation reburials. The archaeological investigation by Applied Earthworks found evidence of occupation that both predated and overlapped the Mission and Rancho period, but ultimately the researchers could not reach a definitive conclusion as to whether portions of the site represented the material remains of Yaanga (Goldberg et al. 1999:151–159). In 2019, during construction of Metro's Patsaouras Bus Plaza Station, which was partly within the boundary of LAN-1575/H, new site components were identified that included Native American human remains and artifacts, as well as Historic period deposits (i.e., not affiliated with Native Americans). The new site components are consistent with the types and ages identified in LAN-1575/H. Some of these new discoveries were

identified within the boundary designated for LAN-1575/H, but the majority extend east along U.S. Route 101 and Interstate 10.

While most of the natural landscape features that would have characterized Yaanga and its surroundings are no longer present and the precise location of the settlement remains an open question, the general location still retains its association with Yaanga and is considered an important place by contemporary Gabrielino groups. The proximity of Yaanga to a massive sycamore tree known as El Aliso is also commonly cited and often referred to synonymously with that of Yaanga. The tree is visible in early photographs and plotted on plat maps showing the vineyard and winery established by Louis Vignes. A memorial plaque was recently placed to commemorate Yaanga and its location—on the north side of Commercial Street near the intersection with Vignes Street, approximately 1.97 km (1.22 miles) north of the Development Area. The location was chosen based on proximity to the place where El Aliso had once grown, which was in what is now in the channel excavated for the Hollywood Freeway.

Mission and Rancho Period (1769–1848)

Although Spanish, Russian, and British explorers visited the area for brief periods between 1529 and 1769, the Mission period in California begins with the establishment in 1769 of a settlement at San Diego by the Spanish and the founding of Mission San Diego de Alcalá. Independence from Spain in 1821 marks the beginning of the Mexican era of governance within California, and the signing of the Treaty of Guadalupe Hidalgo in 1848, ending the Mexican-American War, signals the beginning of the American period, when California became a territory of the United States.

Spanish explorers made sailing expeditions along the coast of southern California between the mid-1500s and mid-1700s. In search of the legendary Northwest Passage, Juan Rodríquez Cabrillo stopped in 1542 at present-day San Diego Bay. With his crew, Cabrillo explored the shorelines of present Catalina Island as well as San Pedro and Santa Monica bays. Much of the present California and Oregon coastline was mapped and recorded in the next half-century by Spanish naval officer Sebastián Vizcaíno. Vizcaíno's crew also landed on Santa Catalina Island and at San Pedro and Santa Monica bays, giving each location its long-standing name. The Spanish crown laid claim to California based on the surveys conducted by Cabrillo and Vizcaíno (Bancroft 1886:96–99; Gumprecht 2001:35).

More than 200 years passed before Spain began the colonization and inland exploration of Alta California. The 1769 overland expedition by Captain Gaspar de Portolá marks the beginning of California's Mission period, occurring just after the King of Spain installed the Franciscan Order to direct religious and colonization matters in assigned territories of the Americas. With a band of 64 soldiers, missionaries, Baja (lower) California Native Americans, and Mexican civilians, Portolá established the Presidio of San Diego, a fortified military outpost, as the first Spanish settlement in Alta California. In July 1769, while Portolá was exploring southern California, Franciscan Fr. Junípero Serra founded Mission San Diego de Alcalá at Presidio Hill, the first of the 21 missions that would be established in Alta California by the Spanish and the Franciscan Order between 1769 and 1823.

The Portolá expedition first reached the present-day boundaries of Los Angeles in August 1769, thereby becoming the first Europeans to visit the area. Father Juan Crespí, a member of the expedition, named the campsite by the river Nuestra Señora la Reina de los Angeles de la Porciúncula or "Our Lady the Queen of the Angels of the Porciúncula." Two years later, Fr. Junípero Serra returned to the valley to establish a Catholic mission, the Mission San Gabriel Arcángel, on September 8, 1771 (Engelhardt 1927). In 1781, a group of 11 Mexican families traveled from Mission San Gabriel Arcángel to establish a new pueblo called El Pueblo de la Reyna de Los Angeles ("the Pueblo of the Queen of the Angels"). This settlement consisted of a small group of adobe-brick houses and streets and would eventually be known as the Ciudad de Los Angeles ("City of Angels").

A major emphasis during the Mission period in California was the construction of missions and associated presidios to integrate the Native American population into Christianity and communal enterprise. Incentives were also provided to bring settlers to pueblos or towns, but just three pueblos were established during the Mission period, only two of which were successful and remain as California cities (San José and Los Angeles). Several factors kept growth within Alta California to a minimum, including the threat of foreign invasion, political dissatisfaction, and unrest among the indigenous population. After more than a decade of intermittent rebellion and warfare, New Spain (Mexico and the California territory) won independence from Spain in 1821. In 1822, the Mexican legislative body in California ended isolationist policies designed to protect the Spanish monopoly on trade, and decreed California ports open to foreign merchants. The authority of the California missions gradually declined, culminating in their secularization by the central Mexican government in 1833 and by the Alta California legislature in 1834.

Extensive land grants were established in the interior during the Mission period, in part to increase the population inland from the more settled coastal areas where the Spanish had first concentrated their colonization efforts. The secularization of the missions following Mexico's independence from Spain resulted in the subdivision of former mission lands and establishment of many additional ranchos. The Development Area is within the original boundaries of the Pueblo of Los Angeles which was founded during the era of Mexican governance in 1781.

During the Rancho period (1834–1848), landowners largely focused on the cattle industry and devoted large tracts to grazing. Cattle hides became a primary southern California export, providing a commodity to trade for goods from the east and other areas in the United States and Mexico. The number of non-Native inhabitants increased during this period because of the influx of explorers, trappers, and ranchers associated with the land grants. The rising California population contributed to the introduction and rise of diseases foreign to the Native American population, who had no associated immunities.

American Period (1848–Present)

War in 1846 between Mexico and the United States began at the Battle of Chino, a clash between resident Californios and Americans in the San Bernardino area. This battle was a defeat for the Americans and bolstered the Californios' resolve against American rule, emboldening them to continue the offensive in later battles at Dominguez Field and in San Gabriel (Beattie 1942). However, this early skirmish was not a sign of things to come, and the Americans were ultimately the victors of this 2-year war. The Mexican-American War officially ended with the Treaty of Guadalupe Hidalgo in 1848, which resulted in the annexation of California and much of the present-day southwest, ushering California into its American period.

California officially became a state with the Compromise of 1850, which also designated Utah and New Mexico (with present-day Arizona) as U.S. territories. Horticulture and livestock, based primarily on cattle as the currency and staple of the rancho system, continued to dominate the southern California economy through 1850s. The Gold Rush began in 1848; with the influx of people seeking gold, cattle were no longer desired mainly for their hides, but as a source of meat and other goods. During the 1850s cattle boom, rancho vaqueros drove large herds from southern to northern California to feed that region's burgeoning mining and commercial boom. Cattle were at first driven along major trails or roads such as the Gila Trail or Southern Overland Trail, but then were transported by trains when available. The cattle boom ended for southern California as neighboring states and territories drove herds to northern California at reduced prices. Operation of the huge ranchos became increasingly difficult, and droughts severely reduced their productivity (Cleland 1941).

Los Angeles: From Pueblo to City

On September 4, 1781, 44 settlers from Sonora, Mexico, accompanied by the governor, soldiers, mission priests, and several Native Americans, arrived at a site along the Rio de Porciúncula (later renamed the Los Angeles River), which was officially declared El Pueblo de Nuestra Señora de los Angeles de Porciúncula, or the Town of Our Lady of the Angels of Porciúncula (Robinson 1979:238; Ríos-Bustamante 1992; Weber 1980). The site chosen for the new pueblo was elevated on a broad terrace 0.8 km (0.5 mile) west of the river (Gumprecht 2001). By 1786, the area's abundant resources allowed the pueblo to attain self-sufficiency, and funding by the Spanish government ceased.

Efforts to develop ecclesiastical property in the pueblo began as early as 1784 with the construction of a small chapel northwest of the plaza. Though little is known about this building, it was located at the pueblo's original central square near the corner of present-day Cesar Chavez Avenue and North Broadway (Newcomb 1980:67–68; Owen 1960:7). Following continued flooding, however, the pueblo was relocated to its current location on higher ground, and the new town plaza (Los Angeles Plaza) soon emerged. The reconstructed church was known as "La Iglesia de Nuestra Señora la Reina de Los Angeles" (Plaza Church).

Alta California became a state in 1821, and the town slowly grew as the removal of economic restrictions attracted settlers to Los Angeles. The population continued to expand throughout the Mexican period and on April 4, 1850, only 2 years after the Mexican-American War and 5 months prior to California earning statehood, the City was formally incorporated. Settlement of the Los Angeles region continued steadily throughout the Early American period. At that time, the city was bordered on the north by the Los Felis and the San Rafael Land Grants and on the south by the San Antonio Luge Land Grant. Many of the ranchos in the area now known as Los Angeles County remained intact after the United States took possession of California and ranching retained its importance through the mid-nineteenth century. In the 1860s a severe drought resulted in many of the ranchos being sold or otherwise acquired by Americans who subdivided the land into agricultural parcels or towns (Dumke 1944). Los Angeles maintained its role as a regional business center in the early American period and the transition of many former rancho lands to agriculture, as well as the development of citriculture in the late 1800s, further strengthened this status (Caughey and Caughey 1977).

The growth of Los Angeles as a regional commerce center, combined with the expansion of port facilities and railroads throughout the region, contributed to the impact of the real estate boom of the 1880s on Los Angeles which resulted in a doubling of the city's population (Caughey and Caughey 1977; Dumke 1944). By the late 1800s, government leaders recognized the need for water to sustain the growing population in the Los Angeles area. Irish immigrant William Mulholland personified the city's efforts for a stable water supply (Dumke 1944; Nadeau 1997). By 1913, the City of Los Angeles had purchased large tracts of land in the Owens Valley, and Mulholland planned and completed the construction of the 240-mile-long aqueduct that brought the valley's water to the city (Nadeau 1997).

The growth in population also resulted in an increased demand for public transportation. As the city neared the end of the nineteenth century, numerous privately owned passenger rail lines were in place. Though early lines were horse and mule drawn, they were soon replaced by cable cars in the early 1880s, and by electric cars in the late 1880s and early 1890s. Many of these early lines were subsequently consolidated into Henry E. Huntington's Los Angeles Railway Company (LARy) in 1898, which reconstructed and expanded the system into the twentieth century and became the main streetcar system for central Los Angeles, identified by their iconic "yellow cars." During this period, Huntington also developed the much larger Pacific Electric system (also known as the "red cars") to serve the greater Los Angeles area. Just as the horse-and-buggy street cars were replaced by electric cars along the same routes,

gas-powered buses (coaches) eventually served former yellow car routes. Both the red cars and LARy served Los Angeles until they were eventually discontinued in the early 1960s.

Los Angeles continued to grow outward from the city core in the twentieth century, in part due to the discovery of oil and its strategic location as a wartime port. The military presence led to the growth in the aviation and eventually aerospace industries in the city and region. Hollywood became the entertainment capital of the world through the presence of the film and television industries and continues to tenuously maintain that position. With nearly 4 million residents, Los Angeles is the second largest city in the United States (by population), and it remains a city with worldwide influence that continues to struggle with its population's growth and needs.

DOWNTOWN LOS ANGELES

The Development Area is in the northern portion of downtown Los Angeles, and south of the historical core of the Los Angeles Pueblo. The original layout of Los Angeles Pueblo was established based on the Spanish grid system, codified as the Laws of the Indies, which required the corners of the corners of the central plaza to be oriented to the cardinal directions. As the pueblo grew, the Spanish system was increasingly adapted to fit the local topography, which was characterized by three landforms—river to the east, hills to the northwest, and the terrace between the two. These historical and topographic factors are reflected in the orientation of the early eighteenth-century street grid and the size and shape of lots depicted in Ord's (1849) map (Figure 10).

Early development of pueblo was dictated by the landform, which historically featured a bluff and steep slopes extending to the south and east, forming the periphery for the pueblo's core elements consisting of the Los Angeles Plaza, Plaza Church, and other civic and commercial buildings (Dietler and Treffers 2012). On top of the alluvial terrace and extending into the base of the foothills were the residential areas that expanded north and south from the historical core (see Figure 10). The land to the north of the Plaza and Plaza Church was one of the first areas to be settled and was known throughout much of the nineteenth century as "Sonora Town" (Deverell 2004). This adobe neighborhood was settled primarily by Mexicans from Sonora, although there were also many immigrants from Europe and the United States, many of whom became Mexican citizens at the time (Estrada 2008:10).

In the early period of the Los Angeles Pueblo and most of the eighteenth century, agricultural fields were established in the floodplain west of the Los Angeles River and beneath the terrace. Here meandering roads and fences made from hedges and wooden poles delineate the fields that Ord recorded as either plowed fields, corn, or vineyards. Farms varied in size and shape, ranging up to approximately 50 acres, and were irrigated through zanjas and other unnamed ditches, many of which are captured on Ord's 1849 map. The Development Area is situated in one of the former agricultural fields depicted in Ord's map (see Figure 10).

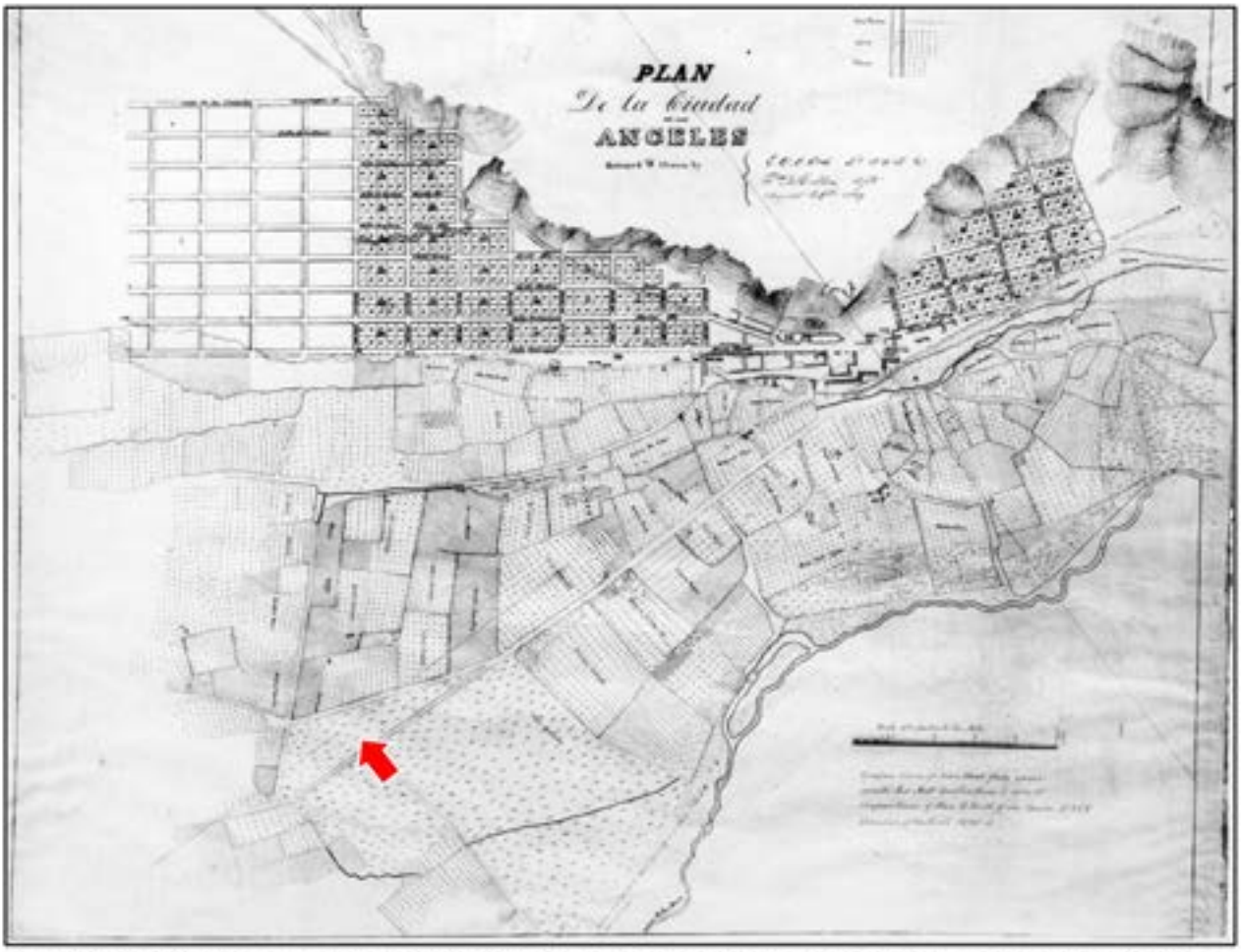

Figure 10. Photographic reprint of E.O.C. Ord's original 1849 map of the City, annotated with street names, lot owners, and block numbers (Ord 1849). The top of the map is oriented to the northwest, reflecting the original orientation of the city's layout based on the Spanish system. The red arrow indicates the approximate location of the Development Area.

The American era, beginning with the Mexican-American War, ushered in a series of massive transformations in the area. During the Mexican-American War the neighborhood surrounding the Los Angeles Plaza was the site of major battles (Estrada 2008:10). The Americans memorialized these battles when they renamed the abutting hill after Fort Moore, a U.S. military fortification constructed in 1847 during the Mexican-American War (Cortelyou 1949:17–21). During this period, the City's population grew substantially, due in part to the settlers from the east coming after the Mexican-American War and to the Gold Rush (Estrada 2008). The newcomers to the city led to significant expansion primarily to the north and southwest. Fort Moore was abandoned following the signing of the Treaty of Guadalupe Hidalgo in 1848 and eventually decommissioned in 1853. That same year, Los Angeles' non-Catholic settlers established an unofficial cemetery. The cemetery was known by several names, including City Cemetery, Fort Hill Cemetery, and "the cemetery on the hill," and functioned in an informal manner over the subsequent decade (Gibson and Dietler 2012). However, by the early 1860s, the public became concerned with its overcrowding, prompting the City to take control of the land and eventually ban future burials in 1879 (Carpenter 1973).

Los Angeles underwent another population boom in the 1880s coinciding with the arrival of the transcontinental railroad. The increase in population resulted in an increased demand for housing and the

development of new residential neighborhoods away from the city center. In response to the subsequent land boom, the City parceled out residential lots around the cemetery as early as 1884, with no initial effort to remove the burials. Fort Moore Hill soon became one of the premier residential neighborhoods due to its views and location above the city center (Cortelyou 1949:17–21; Gibson and Dietler 2012). The 1880s population boom resulted quickly in the subdivision of the farms on the lower terrace into lots that were sold for primarily residential and commercial purposes.

THE ZANJAS OF LOS ANGELES: A BRIEF HISTORY

From Los Angeles' beginnings as a small pueblo, water was understood as a crucial force to control and use if the settlement was to survive. Since the 1770s, a canal known as the Zanja Madre had been diverting water from the Los Angeles River to the newly established pueblo. The pueblo's residents used this water for ranching, agriculture, drinking, bathing, and washing clothes (Newmark and Newmark 1970). Gravity was sufficient to force the water down the zanja onto the pueblo lands, but the flow of water was not smooth and continuous because the flow of water was frequently impeded by debris and the ditch was often damaged during heavy rainfall. At this time, the maintenance of the zanja was the responsibility of all residents of the pueblo. The ayuntamiento, or town hall, came to the decision that one person had to be in charge of ensuring the functionality of the zanja and to regularly inspect it. To this aim, the ayuntamiento appointed a rotating position known as the zanjero, whose job was to properly inspect, maintain, and coordinate repairs of the zanja. Every week a new City official would be in charge of the zanjas, and every head of household was required to contribute some share, be it money or labor, to the maintenance of the zanjas, though many simply supplied Gabrielino labor to fulfill their contribution (Gumprecht 2001:60; Hoffman and Stern 2007:3).

Los Angeles residents were still using the publicly owned zanjas after California's entrance into the union, and by this time, the roles and duties of the zanjero had ballooned to include issuing permits, overseeing deputy zanjeros, and collecting fees. Because the position had become so important, Mayor Stephen Foster established a permanent zanjero position, eliminating the rotating schedule that was used during the Spanish and Mexican periods, and providing stability to the office. The position quickly became one of the most important appointed positions in Los Angeles (Gumprecht 2001:60). At the time property owners were still "required to contribute a certain amount of time" to devote to maintaining the zanja, underlying the importance of the zanja system to the young city (Gumprecht 2001:60). Though the duties and importance of the zanjeros changed over time, the importance of Native American labor in the pueblo's functioning remained constant from the Mission period and into the American period. Not only did Native American laborers make up most farm labor, but also they were often tasked with fixing the zanjas (Hoffman and Stern 2007:3–4).

As the budding city grew, new zanjas needed to be built to irrigate increasingly more farmlands. In 1857 the first offshoot was completed—Zanja No. 1, which ran between Alameda Street and the Los Angeles River. By 1870 there were a total of eight zanjas covering approximately 80 km (50 miles) that connected to the Zanja Madre. At this early time, the zanjas were little more than earthen ditches; none was covered or lined, allowing residents to easily steal water. From these humble beginnings came an extensive water conveyance system that supplied water for personal use and irrigation to the growing city. Using archival research and historic sources, Gumprecht (2001) created a map of the entire zanja system in 1880 showing the original Zanja Madre, the eight initial offshoots, and the additional zanjas that had been added (Figure 11).

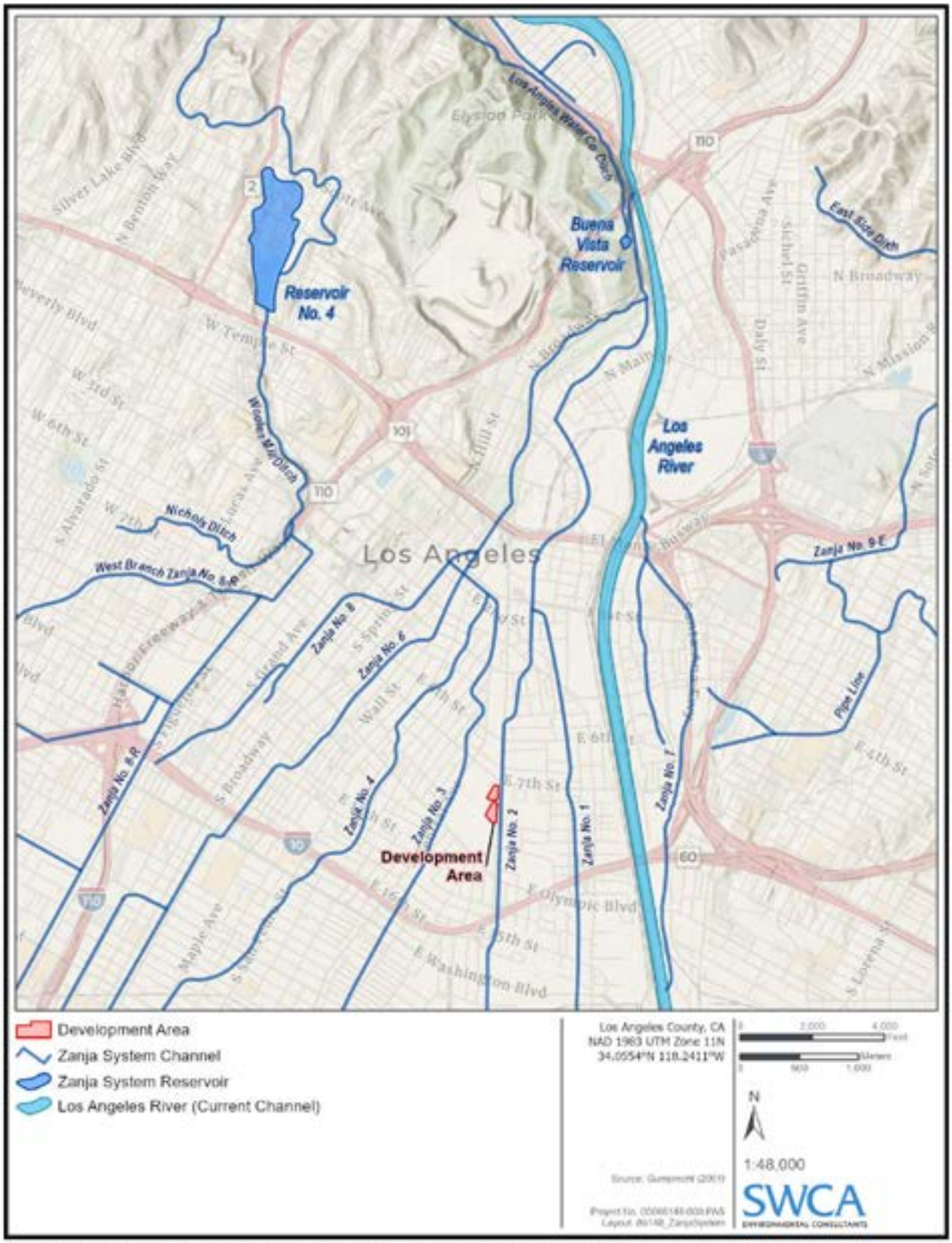

Figure 11. Los Angeles zanja system, ca. 1880s (Gumprecht 2001).

Though the zanjas were a crucial water supply in early Los Angeles, they also served as waste disposal and a sewer system for early residents (Sklar 2008:19). Dead animals were frequently found in the zanjas and, in some cases, even deceased people. Not surprisingly, dysentery during this period was common. Despite the public knowledge that the zanja water was unsanitary, people continued bathing, washing, and dumping in the zanjas. Over time, the city attempted to stop the constant bathing and washing in the main zanja; however, even after a law was passed explicitly prohibiting "bathing, washing clothes, dumping refuse, and the slaughter of cattle in the zanjas," all practices remained commonplace (Gumprecht 2001:62).

As time went on, many of the zanjas began to be upgraded from their original open ditches to more permanent structures. This first happened in 1877, when the City created its first comprehensive plan to improve and extend the zanjas using a bond measure of $75,000. Sometime during this period, many of the original zanjas were upgraded to cement or wrought iron pipe. Useful in determining the status of each zanja during this period is Hall's 1888 study on irrigation in California. In this work, Hall describes each zanja segment, providing information on construction type and length. Hall used the terms "low service" and "high service" to reference locations where the zanja diverted water from the Los Angeles River, and he separated the city's irrigation works into east and west districts according to their location with respect to the river.

The expanding system became a network of channels, structures, and reservoirs constructed using varied materials and techniques, much of which were improvised and expedient, giving the system as a whole a patchwork appearance. By 1888 nearly 50 percent of the zanjas in Los Angeles were made of some type of conduit constructed of wooden flumes, cement- or masonry-lined canals, cement and iron pipe, or brick culverts (Hall 1888:545). In one section of Hall's report, he estimates the cost of the zanja system to date, and his explanation for the difficulty of such a task provides important information on the materials and integrity of the various segments:

> The difficulty of arriving at the original cost of works, constructed by 'piecemeal,' in a period of twelve years, under no definite plan, and supervised by successive city officials (and this refers only to the works regarded as permanent and not to the long-built earthen ditches) changes almost every year, without any system of keeping accounts of construction segregated from ordinary maintenance expense, can scarcely be appreciated until one attempts the task. Much of the work has been done several times over; ditches have been flumed, and after a time the flumes replaced with pipe; pipe-lines have been, locally but radially, altered and enlarged; iron pipe substituted for cement pipe, and vice versa; and no small part of the work has been abandoned and fallen into disuse. (Hall 1888:547–548)

Many projects to improve the system, such as constructing a tunnel to replace part of the Zanja Madre, were started but never completed (Hall 1888:565). Though the zanjas were improved greatly between 1870 and 1888, when Hall conducted his study, the water system in Los Angeles was crude and not in keeping with the rapid development occurring. The last 20 years of the nineteenth century brought many changes to Los Angeles; the real estate boom of the 1880s created a fivefold population increase in the city by 1890. This population increase had the added result of decreasing the City's irrigation needs, because many of the original vineyards and orchards had already been abandoned but increasing the City's domestic water needs (Hoffman and Stern 2007:19). Two years after Hall's 1888 survey, the zanjas began to be abandoned, starting first with Zanja No. 5. Slowly, property owners began requesting that zanjas be abandoned, as the unused structures now served as impediments to development (Gumprecht 2001:89). By 1904, all the zanjas had been abandoned; most were filled in, but some continued to be used as sewers (Hoffman and Stern 2007:19).

As shown on Figure 11, the present-day location of the Development Area was between two zanjas: Zanja No. 2 and Zanja No. 3. The segment closest to the Development Area was Zanja No. 2, which extended from the end of Zanja 6-1 at 1st Street between Alameda Street and Virginia Street and ran approximately 13,200 feet down Alameda Street, directly to the east of the Development Area, until reaching 22nd Street (Hall 1888:543–545; Layne 1957:23). Hall describes Zanja No. 2 as a flume box which measured 3 feet wide × 1 foot deep (Hall 1888:545). Zanja No. 3 extended south from the end of the Zanja Madre at Central Avenue between 1st and 2nd Street until reaching 27th Street. Zanja No. 3 is mapped approximately 127 m (415 feet) to the west of the Development Area. According to Hall (1888:546), Zanja No. 3 ran for 12,750 feet, including 4,800 feet of open ditch from 1st to 7th Streets. The remainder of the zanja included 3,200 feet of cement pipe from 7th Street to 12th Street, and an open ditch again running from 12th Street for another 4,700 feet to the City boundary. Zanja No. 3 provided water to several vineyards and orchards, including the lands of prominent Angelenos such as Isidro Reyes, Antonio Coronel, William Wolfskill, and George Dalton (Layne 1952:22).

RESULTS

CHRIS Records Search

Previously Conducted Studies

SWCA received the results of the CHRIS records search from the SCCIC on February 8, 2023. Results of the records search indicate that 29 cultural resources studies have been conducted in and within 0.8 km (0.5 mile) of the Development Area, one of which intersects the Development Area (Table 1). The overlapping report is a 2007 architectural history report on the Los Angeles Wholesale Terminal, where the Project is located. Appendix A includes a confidential records search results map depicting previous cultural resources studies within 0.8 km (0.5 mile) of the Development Area.

Table 1. Previous Cultural Resources Studies

Report Number	Title	Author (Affiliation)	Year	Relationship to Development Area
LA-00151	Cultural Resources Reconnaissance of the Los Angeles County Reception Center Site and Six Small Off Site Areas, Los Angeles County, California	Bissell, Ronald M. and Rodney E. Raschke (RMW Paleo Associates, Inc.)	1988	Outside
LA-02788	Archaeological Literature and Records Review, and Impact Analysis for the Eastside Corridor Alternatives Los Angeles, California	Brown, Joan C. (RMW Paleo Associates, Inc.)	1992	Outside
LA-02950	Consolidated Report: Cultural Resource Studies for the Proposed Pacific Pipeline Project	Anonymous (Peak & Associates, Inc.)	1992	Outside
LA-03813	An Archival Study of a Segment of the Proposed Pacific Pipeline, City of Los Angeles, California	Anonymous (Peak & Associates, Inc.)	1992	Outside
LA-04625	Historic Property Survey Report for the Proposed Alameda Corridor From the Ports of Long Beach and Los Angeles to Downtown Los Angeles in Los Angeles County, California	Starzak, Richard (Myra L. Frank & Associates)	1994	Outside
LA-04743	Cultural Resource Assessment for Pacific Bell Mobil Services Facility La 648-07, in the County of Los Angeles, California	Gray, Deborah (LSA Associates, Inc.)	1999	Outside

Report Number	Title	Author (Affiliation)	Year	Relationship to Development Area
LA-04834	Cultural Resources Inventory Report for Williams Communications, Inc. Proposed Fiber Optic Cable System Installation Project, Los Angeles to Anaheim, Los Angeles and Orange Counties	Ashkar, Shahira (Jones & Stokes Associates, Inc.)	1999	Outside
LA-05430	Cultural Resource Assessment for Pacific Bell Wireless Facility SM 003-02, County of Los Angeles, California	Duke, Curt (LSA Associates, Inc.)	2000	Outside
LA-06348	Cultural Resource Assessment for Pacific Bell Wireless Facility SM 003-02, County of Los Angeles, California	Duke, Curt (LSA Associates, Inc.)	2000	Outside
LA-07427	Caltrans Historic Bridge Inventory Update: Metal Truss, Movable, and Steel Arch Bridges	McMorris, Christopher (JRP Historical Consulting)	2004	Outside
LA-07945	Archaeological Inventory Report: East Downtown Truck Access Improvements Project, Los Angeles, California	Messick, Peter (Greenwood and Associates)	2006	Outside
LA-08252	Request for Determination of Eligibility for Inclusion in the National Register of Historic Places/Historic Bridges in California: Concrete Arch, Suspension, Steel Girder and Steel Arch	Snyder, John W., Mikesell, Stephen, and Pierzinski (Caltrans)	1986	Outside
LA-08298	Cultural Resources Record Search and Site Visit Results for Royal Street Communications, LLC Candidate La2915a (skid Row Trust), 676 South Central Avenue, Los Angeles, Los Angeles County, California	Bonner, Wayne H. (Michael Brandman Associates)	2007	Outside
LA-08518	Historic Architectural Survey and Section 106 Compliance for a Proposed Wireless Telecommunications Service Facility located on a Warehouse Building in the City of Los Angeles (Los Angeles County), California	Taniguchi, Christeen (Galvin and Associates)	2004	Outside
LA-08635	A Phase I Cultural Resource Assessment and Paleontologic Assessment for the Proposed Los Angeles Department of Water and Power Distribution Center #144 in the City of Los Angeles, Los Angeles County, California	Ramirez, Robert S. and Robin D. Turner (ArchaeoPaleo Resource Management, Inc.)	2008	Outside
LA-10451	Finding of Effect – 6th Street Viaduct Seismic Improvement Project	Chasteen, Carrie (Parsons)	2008	Outside
LA-10452	Historical Resources Evaluation Report – 6th Street Viaduct Seismic Improvement Project	Smith, Francesca (Parsons)	2007	Outside
LA-10506	Cultural Resources Monitoring: North Outfall Sewer – East Central Interceptor Sewer Project	Greenwood, Roberta S., Scott Savastio, and Peter Messick (Greenwood and Associates)	2004	Outside
LA-10701	Cultural Resources Records Search, Site Visit Results, and Direct APE Historic Architectural Assessment for Clearwire Candidate CA-LOS5989A/CA5630 (Central), 810 Kohler Street, Los Angeles, Los Angeles County, California	Bonner, Wayne H. and Kathleen A. Crawford (Michael Brandman Associates)	2010	Outside
LA-10887	Historic Property Survey Report for the North Outfall Sewer– East Central Interceptor Sewer, City of Los Angeles, County of Los Angeles, California	Starzak, Richard, Alma Carlisle, Gail Miller, Catherine Barner, and Jessica Feldman (Myra L. Frank & Associates)	2001	Outside
LA-11409	Construction Phase Cultural Resources Monitoring and Treatment Plan for the City of Los Angeles North Outfall – East Central Interceptor Sewer Project	Horne, Melinda C. (Myra L. Frank & Associates)	2000	Outside

Report Number	Title	Author (Affiliation)	Year	Relationship to Development Area
LA-11618	Los Angeles Wholesale Terminal Market Historic Resource Report	Grimes, Teresa, Jessica MacKenzie, and Jessica Fatone (Christopher A. Joseph & Associates)	2007	Overlapping
LA-11683	LAUSD Central Region 9th Street K-8 Span Site Redevelopment Demolition Cultural Resources Services	O'Neil, Stephen (UltraSystems)	2010	Outside
LA-11799	Archaeological Survey Report for the La Kretz Innovation Campus Project located at 500-542 Colyton Street, Los Angeles, California	Shattuck, Paul (ICF International)	2011	Outside
LA-12210	Cultural Resources Records Search and Site Visit Results for T-Mobile West, LLC Candidate LA02648A (LA648 Rossmore Hotel) 901 East 6th Street, Los Angeles, Los Angeles County, California	Bonner, Wayne H. and Kathleen A. Crawford (MBA)	2012	Outside
LA-12586	Archaeological Survey Report for the 6th Street Viaduct Improvement Project, City of Los Angeles Los Angeles County, California	Glenn, Brian and Maxon, Patrick (BonTerra Consulting)	2008	Outside
LA-12665	Final Archaeological Resources Monitoring Report for the Los Angeles Department of Water and Power La Kretz Innovation Campus Project, Los Angeles County, California	Bray, Madeleine, Vader, Michael, and Strauss, Monica (ESA)	2015	Outside
LA-12848	Final Archaeological Resources Addendum Report for the Los Angeles Department of Water and Power La Kretz Innovation Campus Project, Los Angeles County, California	Bray, Madeleine and Vanessa Ortiz (ESA)	2016	Outside
LA-13239	Extent of Zanja Madre	Gust, Sherri (Cogstone)	2017	Outside

Previously Recorded Archaeological Resources

The CHRIS records search identified one archaeological resource outside the Development Area. The resource is a historical archaeological site (LAN-4460H) recorded approximately 0.6 km (0.4 miles) to the northwest of the Development Area. This site included trash scatters and various features associated with the foundations of former buildings occupied in the mid to late nineteenth century. Appendix A includes a confidential records search results map depicting previously recorded resources within 0.8 km (0.5 mile) of the Development Area.

NATIVE AMERICAN SITES IN DOWNTOWN LOS ANGELES

There are five sites recorded within downtown Los Angeles area that have Native Americans associations, they are between 1.25 and 1.75 miles from the Development Area, which is outside the 0.5-mile records search radius used for the CHRIS records search. Given that these sites were not identified in the CHRIS records search, they are briefly mentioned below to provide a more complete characterization of the Native American archaeological record in the downtown Los Angeles area. The five sites include the following: a major Native American settlement containing multiple human burials (LAN-1575/H); an isolated bone from a Native American who lived more than 3000 years ago (LAN-4662); two sites (LAN-7/H and P-19-100515) containing a small number of artifacts that could be associated with Native American activities; and the Los Angeles Plaza Cemetery site (LAN-4218H), which historical records document as having individuals of Spanish, Mexican, Native American, and varied heritage buried in the cemetery. The location of these sites is shown on a confidential map included in Appendix A.

NON-ARCHAEOLOGICAL RESOURCES

Notably, the Project Site includes an industrial complex historically called the Los Angeles Union Wholesale Terminal, previously owned by the Southern Pacific Railroad (SPRR), which currently encompasses a total of eight buildings, including seven large industrial buildings that were constructed between 1917 and 1923 (collectively the "District"); there is also an extant parking garage constructed in 2016 that is excluded from the District. The District was formally determined eligible for the NRHP in 1997 through the Section 106 review process and is thereby also included in the CRHR. There are no archaeological resources associated with the District and SWCA's CHRIS records search omitted non-archaeological resources, but the presence is noted because of its relevance to the land-use history vis a vis industrial uses of the same period as the District. The District and the Project's impacts to the District are analyzed in a separate technical report (ARG 2024).

Sacred Lands File Search

The NAHC transmitted the results of an SLF search in a letter dated January 19, 2024. The NAHC indicated the SLF results were positive and noted that the Gabrieleño Band of Mission Indians – Kizh Nation should be contacted for additional information. In their letter, the NAHC noted that tribes do not always record their sacred sites in the SLF, nor are they required to, so additional outreach or consultation may be necessary to determine if there are resources present that are only known by individual tribes. The NAHC's letter included an attachment with a list of 12 Native American contacts representing eight tribal organizations who may have knowledge of cultural resources in or near the Development Area study area. Appendix B includes the SLF results letters. All requests for information from California Native American tribes was conducted as part of the outreach process pursuant to MM 4.15-1(a) of the MMP from the Program EIR and the results are described below.

Archival Research

The following section summarizes the results of SWCA's archival research conducted using maps, ground and aerial photographs, illustrations, archaeological data, and other sources associated with historical land uses within and near the Development Area. Because of the proximity to mapped segments of Zanja No. 2 and Zanja No. 3, a detailed analysis of these two zanja system components is provided in the section following the summary of land-uses within the Development Area during the American period.

The plowed field mapped on Ord's 1848 plot of the City is the first documented land use for the Development Area. In the detailed view of Ord's map in Figure 12, the present-day location of the Development Area is depicted in an area mapped as agricultural fields owned by Feliz (Felix) Gallardo. Gallardo's fields are to the west of land owned by Don Antonio Francisco Coronel. Gallardo was born in Mexico in 1826 but sometime before 1848 had moved to Los Angeles. Gallardo's land was primarily used for agriculture, as referenced in the Ord map. In 1856 Gallardo was involved in a gunfight that resulted in his adversary, Jesus Dominguez, being injured. Although Dominguez avoided providing any information to the authorities, Gallardo was ultimately arrested and sentenced to a year in prison at San Quentin (Spitzzeri 2022). Gallardo does not appear to have ever returned to his land and instead moved to San Gabriel where he became a constable and then zanjero before becoming a deputy (Spitzzeri 2022). For the Development Area, it is unclear who was the historical land owner during the 1860s and 1870s; however, a real estate map prepared by Stevenson in 1884 shows the Development Area situated squarely within a property identified as Coronel's (Figure 13). The Coronels likely increased their land holdings in the period between the creation of Ord's and Stevenson's map.

Don Coronel was born in Mexico City in 1817 and moved to Los Angeles in 1834 with his father (Newmark 1954; Guinn 1902; Sanchez 1983:1). During the Mexican-American War, Coronel fought for Mexico, staying in the area after the land became U.S. territory. In 1848, shortly after the end of Mexican-American War and when the news of gold began reaching southern California, Coronel, along with a party of 30 people, rode north to search for gold (Sanchez 1983:476). Coronel stayed in northern California until 1849, after which he returned to Los Angeles. Aside from this brief sojourn north, Coronel spent his adult life in Los Angeles, devoting himself to various public offices most notably Mayor of Los Angeles from 1853 to 1856 and California State Treasurer from 1866 to 1870 (Guinn 1902). In 1873, the 56-year-old Coronel married 22-year-old Marian Williamson, a native Texan who had moved to California in 1859 when she was a child (Guinn 1902). Don Coronel had multiple houses in Los Angeles, including an adobe in Los Angeles near at the corner of Los Angeles Street and Arcadia and a home known as El Recreo near the intersection of 7th Street and Central Avenue on their agricultural fields (Figure 14). A lithograph from the 1880s depict the Coronels' agricultural fields which occupied the current Development Area as well as El Recreo (Figure 15). This lithograph is facing west toward downtown Los Angeles and depicts the Coronels' residence, which would have been near the present-day intersection of 7th Street and Central Avenue. The SPRR rail line is shown along Alameda Street, and portions of the Development Area are present on the left side of the image.

The setting of the Development Area is captured in an 1877 landscape overview of the City, illustrated as a lithograph drawn facing south from the Elysian Hills near what is now Dodger Stadium (Figure 16). At this time the area appeared in much the same way as depicted in Ord's 1849 map. Most of the land surrounding the Development Area was made up of agricultural fields interspersed with small homes. The SPRR line along Alameda Street is visible on this image, indicated by the drawing of the train on the street south of the Development Area.

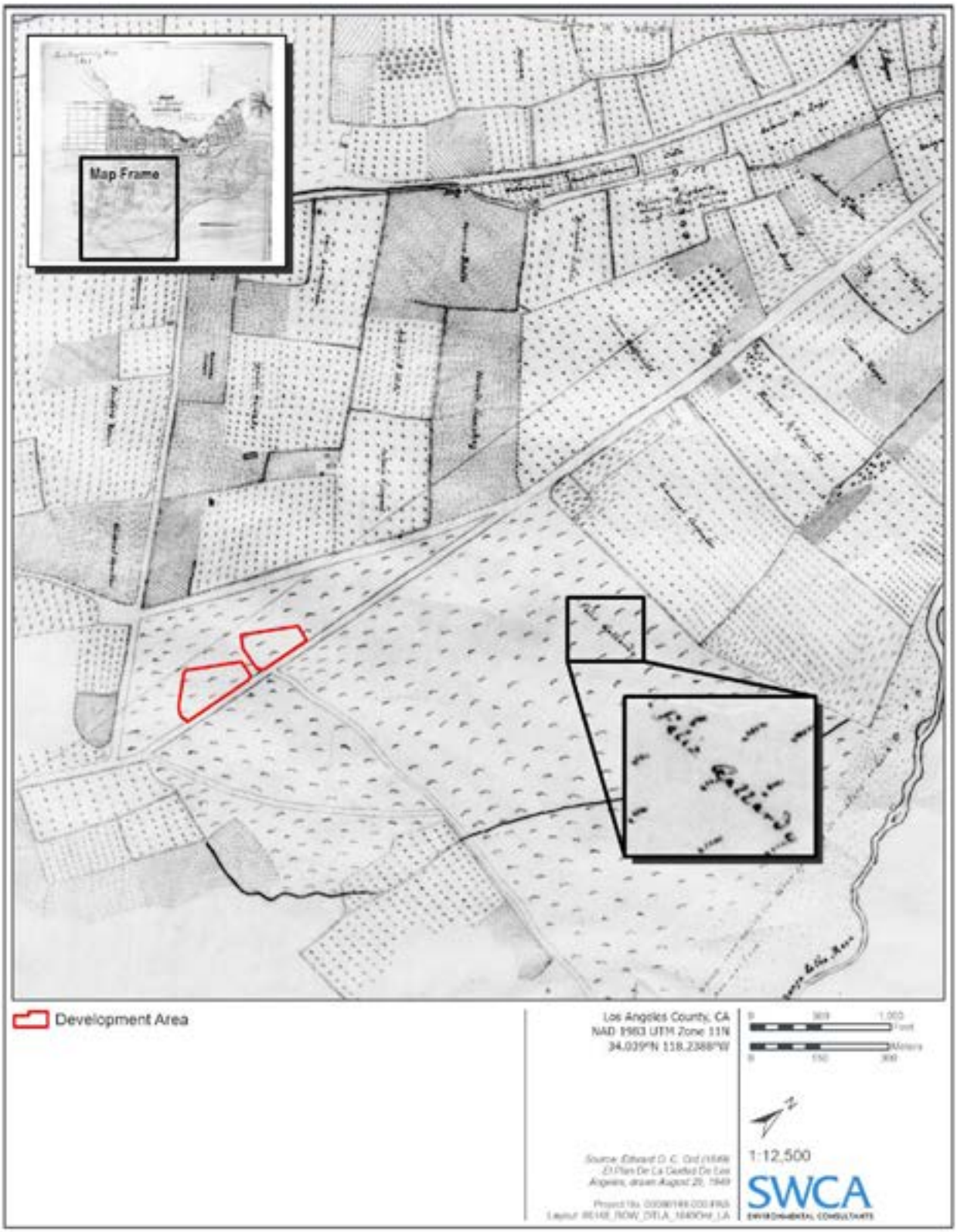

Figure 12. Detailed view of Ord's 1849 map (see inset in top left) annotated with landownership. Feliz Gallardo is identified as the owner of the larger plot (enlarged inset) which encompasses the Development Area location. The map symbology indicates that the Gallardo plot was plowed.



Figure 13. Development Area plotted on H.J. Stevenson's 1884 *Map of the City of Los Angeles, California.*



Figure 14. The Coronels' residence at 7th Street and Central Avenue ca. 1880 (Courtesy of Los Angeles Public Library, Item 00061569)

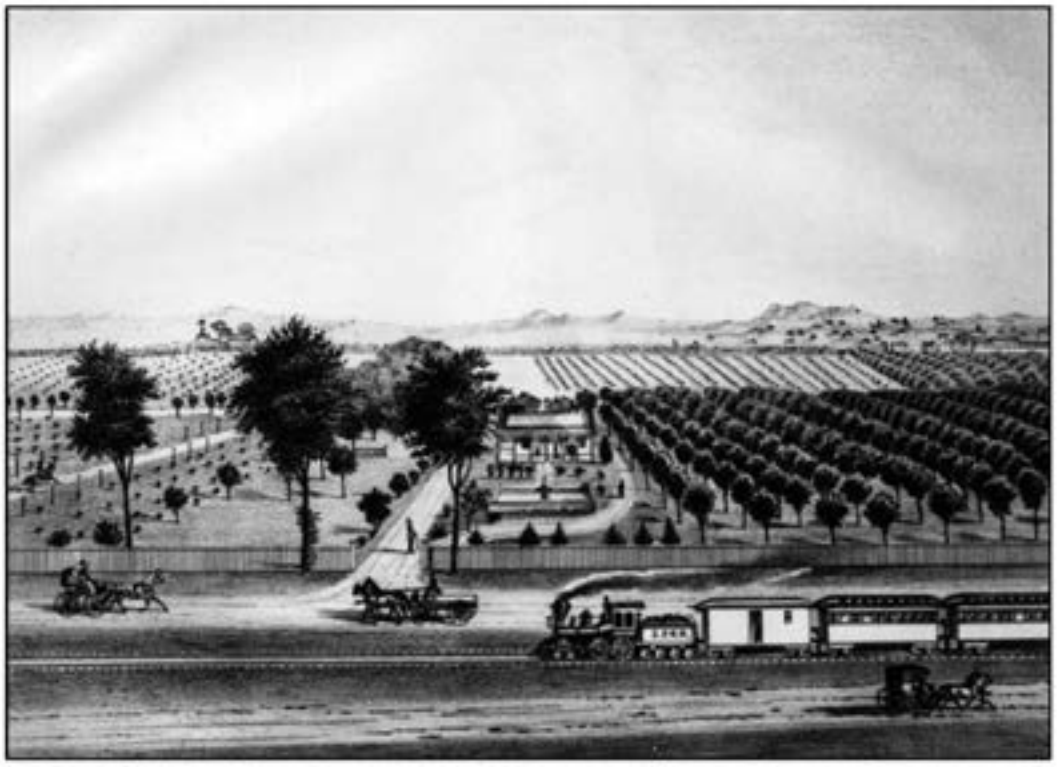

Figure 15. Lithograph of the Coronel residence and surrounding agricultural fields at 7th Street and Alameda Street looking west. Note the SPRR line running along Alameda Street ca. 1880. (Courtesy of Los Angeles Public Library 00078976)

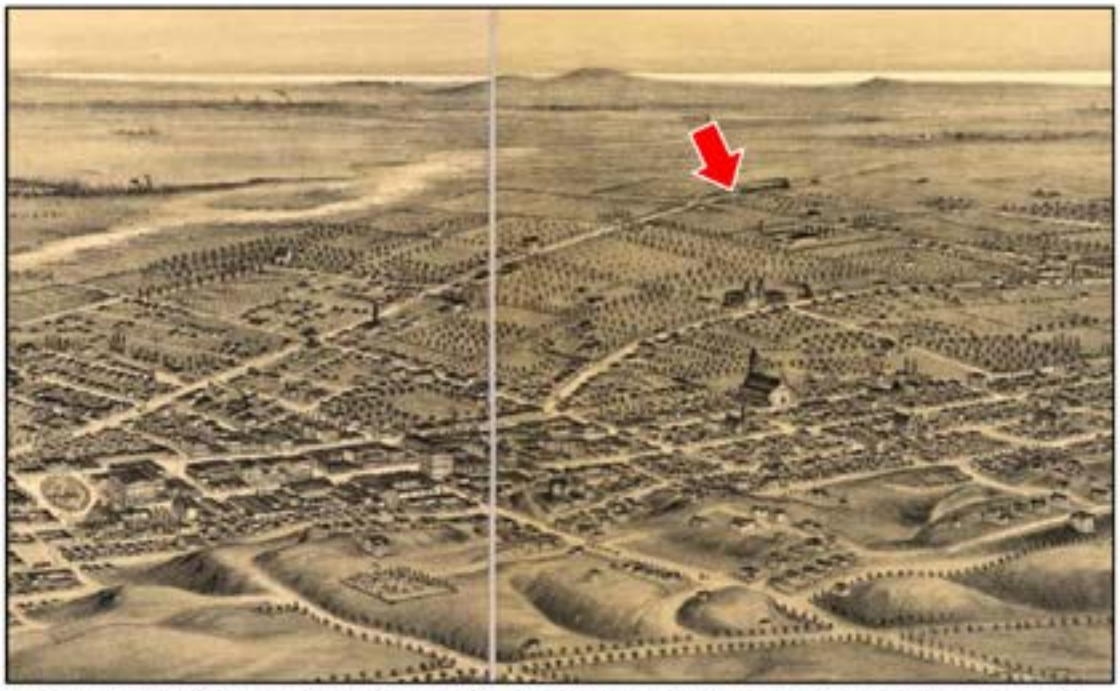

Figure 16. Detailed view of an illustration showing Los Angeles in 1877 (Source: Library of Congress, Control No. 75693093). The view is facing south with the Los Angeles Plaza visible as an oval on the bottom-left corner of the frame. The red arrow indicates the approximate location of the Development Area along Alameda Street.

The Development Area location at 7th and Alameda Streets is visible in a bird's eye view illustration from 1891 (Figure 17). The illustration captures the extent of urbanization that had expanded significantly in the 1880s. The areas north and to the west of the Development Area that once mainly consisted of agricultural fields had been increasingly replaced with residential and commercial uses. The 1891 illustration depicts a train station directly north of the Development Area, and the Development Area itself is developed with two small buildings. A similar illustration from 1894 depicts the Development Area as agricultural land or perhaps simply as a vacant lot. Both maps depict the slow growth of the commercial and industrial center south of the city's historical core. The 1894 illustration shows the Bishop Confectionery Manufacturing Company (Bishop & Company) in a lot directly north of the Development Area—at the northwest corner of 7th Street and Alameda Street (Figure 18). In addition to the Bishop & Company factory, built in 1893, the company operated several other buildings in Los Angeles by the early twentieth century, including one of the buildings within the wholesale terminal at 7th Street and Central Avenue, directly adjacent to the Development Area. Although Bishop & Company was an extremely successful business in the early twentieth century, at one point employing over 1,000 people, the impact of the Great Depression ultimately led to the company's demise, and the company was purchased by Nabisco in 1930 (Berman and Carreno 2008). By 1936, its factory at the northwest corner of 7th and Alameda Street had been demolished; however, the building within which it operated, the wholesale terminal west of the Development Area, remains to this day and has been repurposed for various commercial uses.

Sanborn maps from 1888 and 1894 do not depict the current location of the Development Area, whereas the Sanborn map from 1900 shows a portion of the Development Area location as vacant land, which suggests that the Development Area location either was used for agriculture or was simply vacant land throughout that time. The first Sanborn map that shows developments within the Development Area dates to 1906 (Figure 19). This map shows that the Development Area was a part of the Electric Railway

Company property at that time, and several buildings were present within the area, including four that were entirely or partially within the current-day Development Area boundaries. The next Sanborn Map dates to 1950 and shows that the entire Development Area had been redeveloped (Figure 20). The buildings that once existed in the Development Area and vicinity had been demolished and replaced with the large industrial warehouses that made up the wholesale terminal, many of which still exist today. Within the Development Area, one rectangular building existed in the lot north of the Development Area, and the remainder of the Development Area was used as a rail yard. Sanborn maps from the later 1950s, 1960s, and 1970 do not show any changes to the Development Area.

Aerial imagery available from 1923 onward provides more context on the development of the Development Area throughout the twentieth century. By 1923, the Development Area had begun to be used as a rail yard, and there was one rectangular building present in the lot north of the Development Area, which corresponds to the observations made during the review of Sanborn maps from the 1950s. Aerial imagery from the later 1920s through the 1970s does not show any changes to the use of the Development Area (Figure 21). The first significant change came between 1972 and 1983, when the rail yard, which was present within the Development Area for much of the twentieth century, was demolished and replaced with an at-grade parking lot. The warehouse building was still present within the lot to the north at this time; however, by 1989, this building had been demolished as well, and the space was being used for parking or storage (Figure 22). Aerial imagery from the 1990s and 2000s does not show any changes to Development Area use, although it appears that the area was repaved in the 2000s.

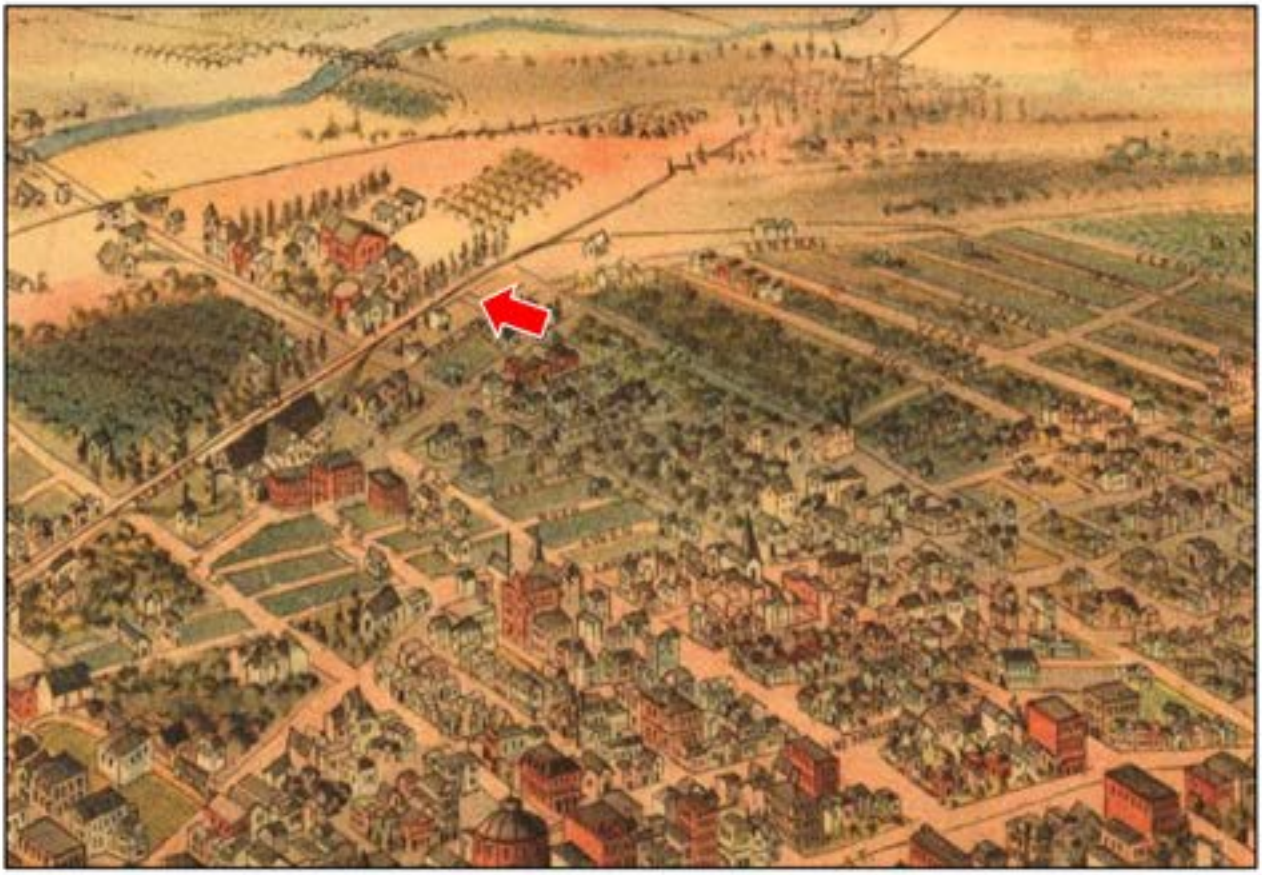

Figure 17. Detail view of a bird's-eye illustration facing southwest, Los Angeles, California, 1891. The Project Site is indicated by the red arrow. (Library of Congress Geography and Map Division Washington, D.C., Control Number 75693095)



Figure 18. Detail view of a bird's-eye illustration, Los Angeles, California, 1894. The Project Site is indicated by the red arrow; the yellow arrow points to the Bishop Confectionery Manufacturing Company. (Library of Congress Geography and Map Division Washington, D.C., Control Number 75693096)

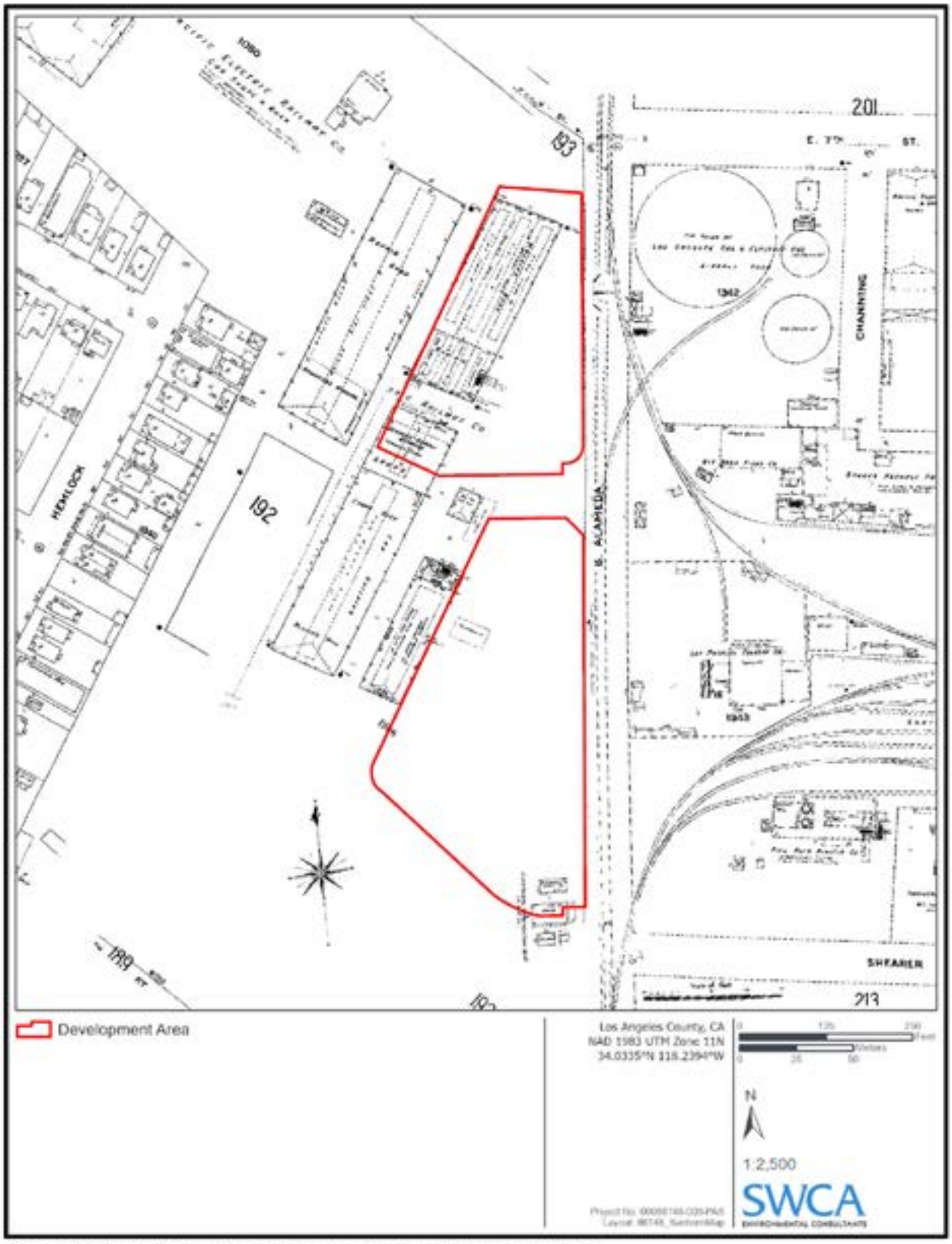

Figure 19. Development Area shown on the 1906 Sanborn map.

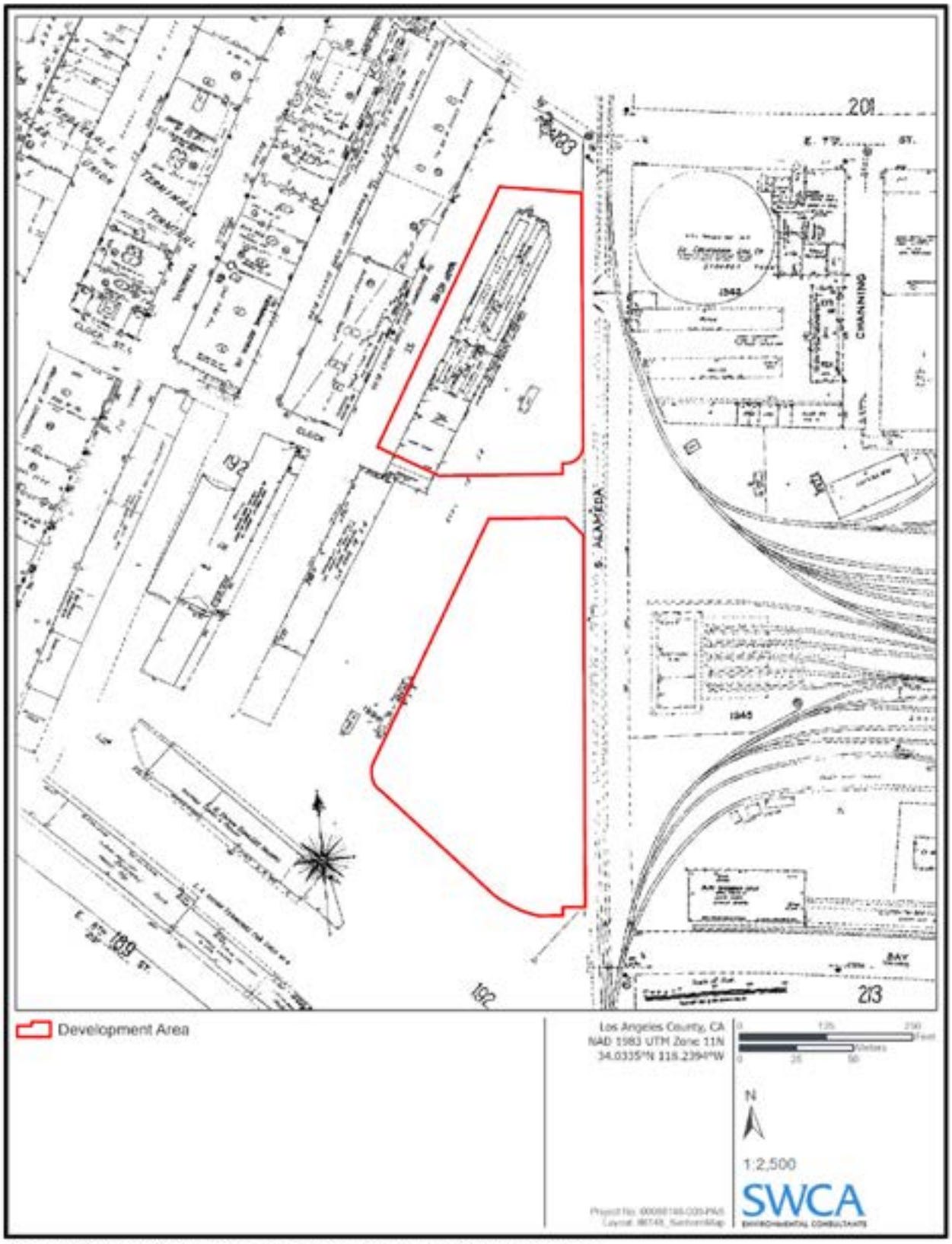

Figure 20. Development Area shown on the 1950 Sanborn map.

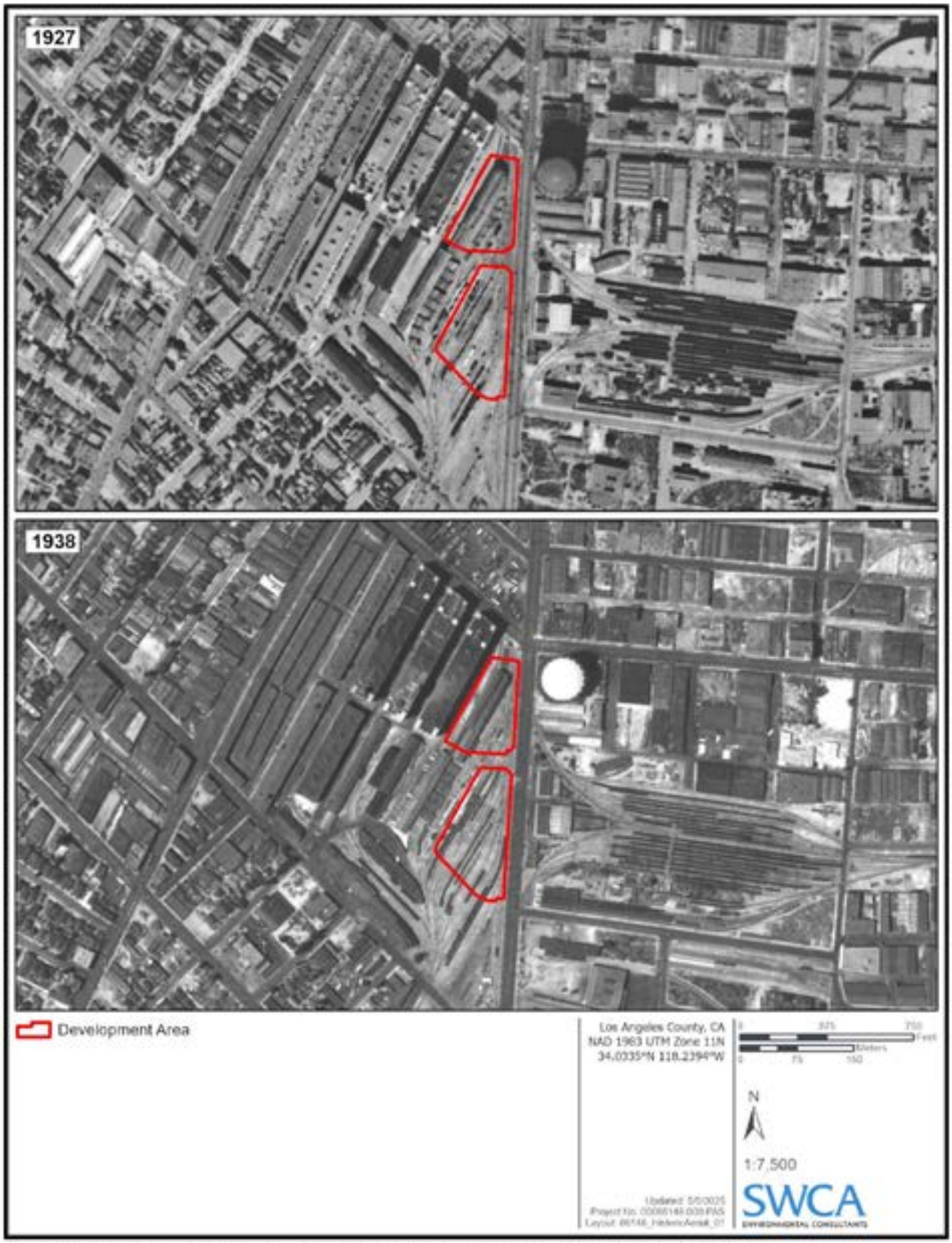

Figure 21. Development Area shown on aerial photographs from 1927 and 1938.

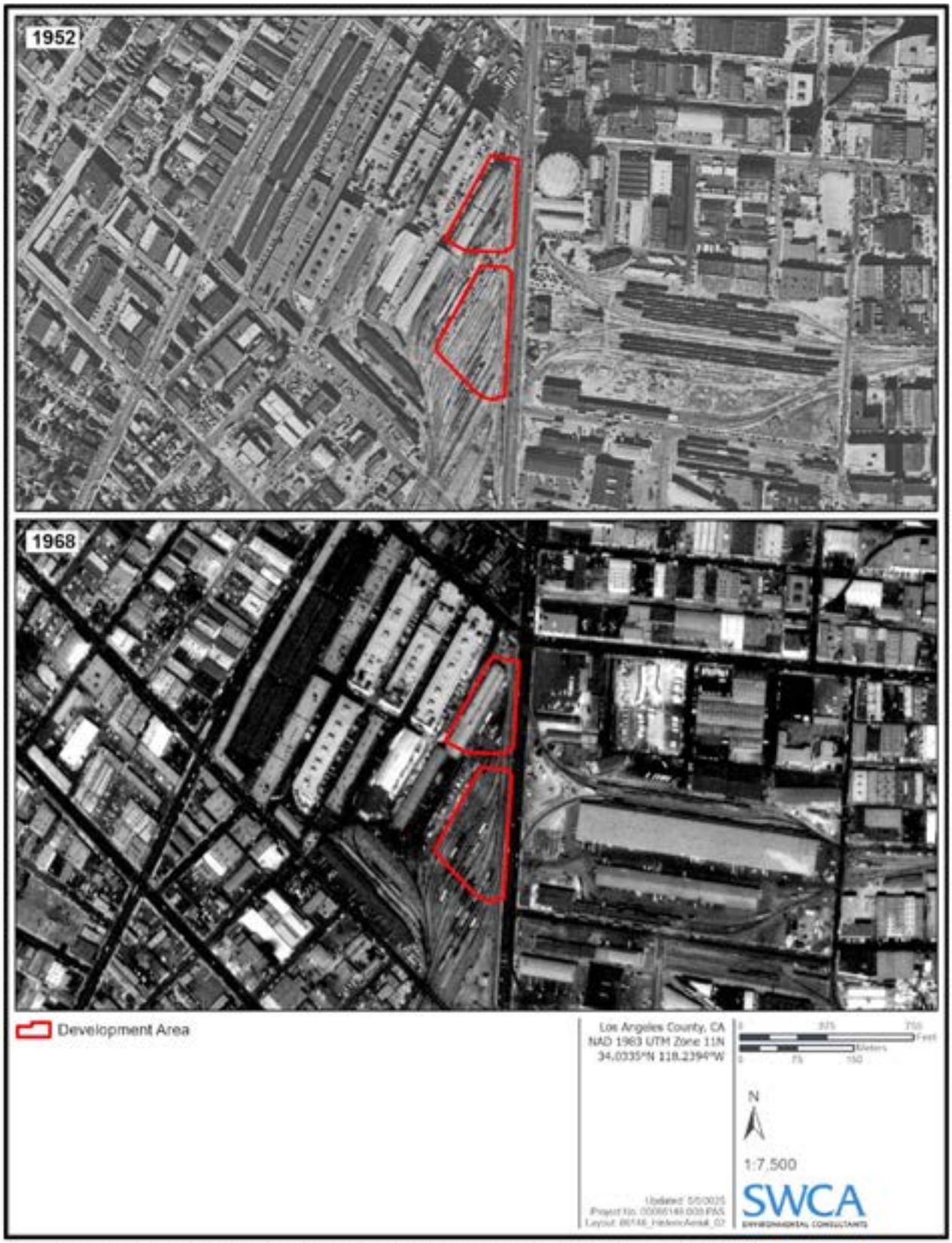

Figure 22. Development Area shown on aerial photographs from 1952 and 1968.

Zanja System Components

Ord's 1849 map of Los Angeles included many of the primary zanja segments, secondary irrigation ditches, and information on the types of crops being grown in the agricultural fields (see Figure 12). Not all the zanjas are easily distinguished on Ord's map, particularly where they were contiguous with roads, fences, and boundaries between fields and landowners, all of which could be immediately adjacent to one another and only depicted by a single line on the map. Zanja No. 2 is not discernible in Ord's map. Zanja No.3 can be identified between agricultural fields on Ord's map west of the location of the Development Area. At this time, Zanja No. 2 and Zanja No. 3 were likely constructed as simple earthen ditches and serviced the numerous agricultural fields in the southern parts of the City. Stevenson's 1884 real estate map (see Figure 13) shows Zanja No. 2 along Alameda Street in the vicinity of the Development Area and Zanja No. 3 in roughly the same location as the irrigation ditch depicted on Ord's 1849 map. Information specific to Zanja No. 2 and Zanja No. 3 is discussed in more detail below.

Zanja No. 2

No segments of Zanja No. 2 have been documented archaeologically. According to archival evidence, this segment ran down Alameda Street from 1st Street to 22nd Street in a flume box (Hall 1888:545). In 1876, a waterwheel that used water from Zanja No. 2 was constructed on Thomas Leahy's property southeast of the Development Area, on the east side of Alameda Street between 7th and 8th Streets (Figure 23). The undated photograph in Figure 23 was taken from Alameda Street, showing the waterwheel on the Leahy property. Although no segments of Zanja No. 2 have been identified archaeologically, a Sanborn Map published in 1900 depicts the zanja running as an open ditch along the northeast side of Alameda Street, opposite the Development Area (Figure 24). The subsequently published Sanborn map from 1906 shows a 10-inch water pipe in the same approximate alignment of Zanja No. 2 down Alameda Street, but it is not labeled as such. Zanja No. 2 was likely abandoned early in the twentieth century as the city began to turn away from agriculture and toward increasing its domestic water supply. Thus, all available evidence suggests that at no point was Zanja No. 2 ever aligned through the Development Area.



Figure 23. Water wheel powered by water from Zanja No. 2. The undated photograph was taken from Alameda Street showing the water wheel on the property of Thomas Leahy on the east side of Alameda Street between 7th and 8th Streets.

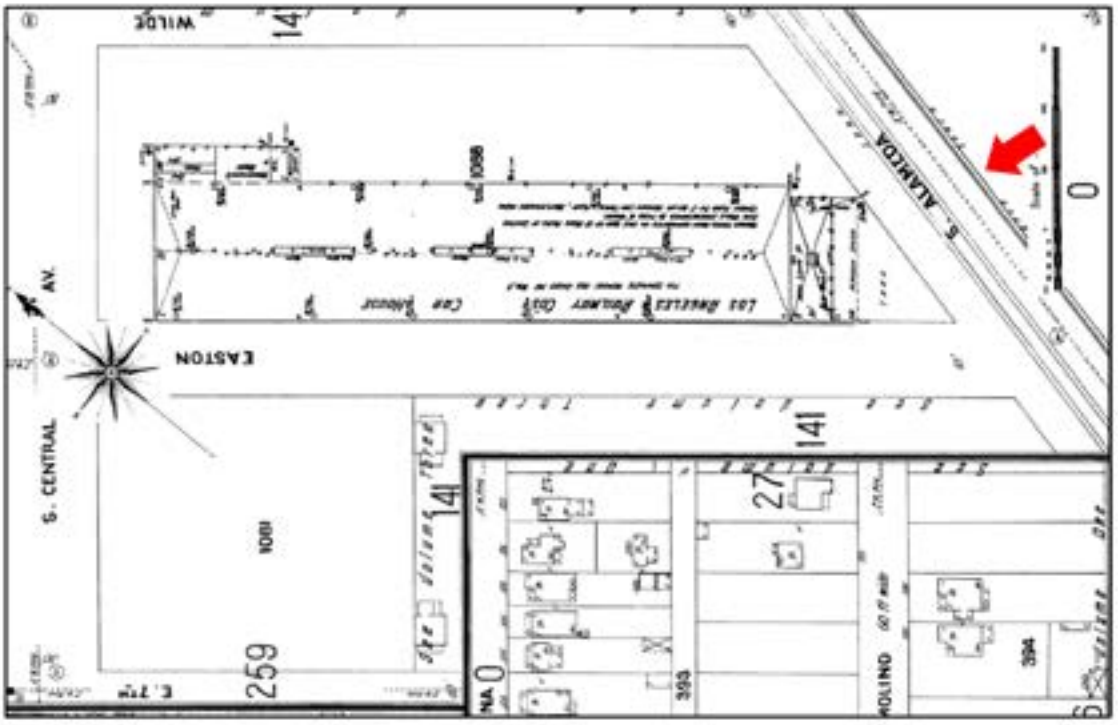

Figure 24. Sanborn published in 1900, which depicts the area north of the Development Area (not shown) and the alignment of Zanja No. 2 (red arrow), labeled "Open Zanja," on the northeast side of Alameda Street.

Zanja No. 3

Historical sources indicate that in the late 1880s, a portion of Zanja No. 3 followed Central Avenue and was constructed as a cement pipe in the segment between 7th Street and 12th Street, which is approximately 265 meters (869 feet) to the west of the Development Area. Zanja No. 3 provided water to several vineyards and orchards, including the lands of prominent Angelenos such as Isidro Reyes, Antonio Coronel, William Wolfskill, and George Dalton (Layne 1952:22). The zanja was likely abandoned by the turn of the century (Hoffman and Stern 2007:19; Louis and Berger 1986). None of the sources reviewed indicate that any portion of Zanja No. 3 crossed or bordered the Development Area.

A segment of Zanja No. 3 was recorded in 1986 by archaeologists with Louis Berger and Associates for the Federal Center Complex Project in an area bound by Aliso, Alameda, Temple, and Los Angeles Streets. Zanja No. 3 was recorded on a Historic American Engineering Record (HAER) and is on file with Library of Congress under HAER No. CA-50; Zanja No. 3 has not been given a designation in the CHRIS records. The segment of Zanja No. 3 that was recorded is approximately 2.11 km (1.3 miles) north of the Development Area. The segment was identified as part of an archaeological testing program and then more fully exposed as part of the data recovery mitigation. The archaeological recording identified a 165-foot-long portion of the original earthen ditch constructed from 1825 to 1831, measuring between 10 and 12 feet wide at the top and six feet at the base, with a depth averaging 5.6 feet below grade. A 36-foot-long brick culvert was constructed in 1869 along the portion of the ditch that crossed the original alignment of Commercial Street. Several associated features were also recovered and included public utility lines and architectural remains. The utilities included an 1869 wooden sewer, 3.5-inch-wide iron gas line, 8-inch-diameter iron water main, and concrete electrical utility trench. The associated structural remains included a brick foundation from the Los Angeles Farming and Milling Company warehouse on Commercial Street (ca. 1883) and a concrete foundation believed to be a structural element of a 1941 Post

Office parking facility. This segment is the only part of Zanja No. 3 that has been recorded archaeologically.

Archaeological Site Preservation

The archaeological preservation conditions within the Development Area are generally poor for surficial deposits, but there is higher potential for encountering subsurface deposits within the Development Area. As detailed in previous sections, historically, the Development Area was in agricultural fields owned by the Coronel family. Available evidence suggests that the area was used for agricultural purposes until the late 1880s or early 1890s. Around the turn of the century the area was developed for industrial and commercial purposes and was used primarily as a railyard for much of the twentieth century. By the end of the 1980s the warehouse building and the railyard that had existed in the Development Area since the 1920s had been demolished and replaced with a paved area used for parking and storage. It appears that the paved lot has been re-paved.

Each historical phase of land use involved physical alterations to the near-surface setting of the Development Area. These changes occurred in a sequence wherein each successive alteration would have influenced the preservation conditions for any archaeological materials that may have been deposited on or below the surface during the prior period of use. These physical alterations may have completely removed any physical evidence of the prior land uses or resulted in those materials and the sediments in which they were embedded becoming intermixed. Agricultural land uses from the Mission, Rancho, and early American periods would have altered any Native American archaeological deposits that may have once existed. Industrial site uses from the early and mid-twentieth century would have altered any deposits of historical archaeological materials.

Removal and intermixing are common occurrences for archaeological deposits in urban settings of Los Angeles, but it is also possible for more deeply buried components to remain relatively intact beneath the altered surface. In other words, the physical alterations resulting from each successive period of land use may not have reached the full depth to which archaeological deposits from previous periods may have accumulated, as has been demonstrated on sites where areas have been excavated or naturally incised (e.g., streambeds), and then became backfilled with refuse. This may be done intentionally to bury trash or other waste materials but may also occur more haphazardly during the process of creating a level surface across a property, which is commonly done during demolition.

Where Native American archaeological deposits are concerned, in areas with high rates of natural deposition, artifacts and features could become deeply buried so that the historical alterations occurred well above the buried site. Site LAN-1575/H was identified during construction of the Metropolitan Water District Headquarters next to Union Station and there was an intact Gabrielino archaeological site identified beneath historical period alterations, and at shallower depths the Native American artifacts had become intermixed with nineteenth- and early twentieth-century materials. Site LAN-4662 consisted of a single 3,000-year-old long bone from a Native American individual that was recovered from 19 feet below the street grade. The bone appeared to have been part of flood deposits, which were composed of coarse-grained sands with poorly sorted and large gravels, from the Los Angeles River. These two examples were recorded between 1.3 and 1.6 mile from the Development Area, respectively.

The examples above demonstrate that Native American archaeological deposits are more likely to be identified when they occur beneath historically modified surfaces, whereas historical archaeological sites may occur anywhere within mechanically altered sediments, the creation of which resulted from the past land uses. These “mechanically altered sediments” are typically characterized as fill in a geotechnical investigation.

Group Delta conducted a geotechnical assessment of the Development Area in 2023 which included borings within the Development Area. Sediment profiles constructed from the results showed a surface stratum described as fill below the asphalt and extending up to approximately 5 feet deep. Below the fill, soils have been mapped as young alluvium (Qyf) (Bedrossian et al. 2012). Young alluvial soils present at the Development Area are Late Pleistocene and Holocene in age. Holocene soils can contain subsurface archaeological deposits, specifically intact Native American sites, whereas only the latest Pleistocene deposits have any potential to contain intact Native American archaeological materials. Sediments deposited before the latest Pleistocene are too old to contain deeply buried archaeological deposits.

Sensitivity Assessment

Native American Archaeological and Tribal Cultural Resource Sensitivity

Ethnographic sources described above have identified the Gabrielino village site of Yaanga as having been 2.25 km (1.4 miles) north of the Development Area. Numerous historic and ethnographic sources place Yaanga in the vicinity of the Pueblo of Los Angeles and what archaeological evidence is available supports the location of the village being west of the Los Angeles River. The location of such a settlement likely shifted over time due to environmental factors, such as the shifting courses of the Los Angeles River, and historical factors, such as the influx of settlers after the founding of the Pueblo of Los Angeles. The precise area that constituted the former village has never been determined archaeologically, but the best estimate based on available information indicates it likely occupied the approximate area between the location of the Metropolitan Water District Headquarters building and west to Fort Moore Hill.

CHRIS records search results did not identify any Native American archaeological resources or potential tribal cultural resources within the Development Area or in the 0.5-mile radius used to conduct the search. The nearest Native American archaeological sites to the Development Area are located over 1.6 km (1 mile) to the north and are mostly centered on the Los Angeles Plaza and Union Station and the Metropolitan Water District Headquarters (LAN-1575/H). The single bone from a Native American individual (LAN-4662) identified 19 feet below ground within Los Angeles River floodplain deposits demonstrates that deeply buried resources can occur; however, this is a very rare occurrence and compared with the volume of floodplain deposits, this one instance does not suggest that all similar deposits have a high likelihood of containing human remains. Rather, the finding at LAN-4662 indicates that the potential for human remains and Native American archaeological sites cannot be completely ruled out based strictly on depth.

The SLF search conducted for the Project was positive, although there was no indication of whether there was a specific known resource identified in the Development Area or whether the positive result indicates sensitivity because of proximity to a known site in the NAHC's confidential file. The relative proximity to LAN-1575/H, which included several Gabrielino burials, could be related to the positive results, but consultation with the Gabrieleño Band of Mission Indians – Kizh Nation would be necessary to make a conclusive determination concerning the positive SLF results.

SWCA assessed the archaeological preservation conditions within the Development Area and found that the naturally deposited alluvial sediments beneath the fill stratum are capable of containing buried Native American archaeological deposits (including potential tribal cultural resources) based on the time period in which the sedimentary unit was formed. Specifically, the underlying alluvium was characterized as young alluvium that is Late Pleistocene to Holocene in age. These deposits appear to be composed of naturally deposited alluvium accumulated as flood plain deposits from the Los Angeles River. Alluvium that is more than 12,500 years in age is too old to contain Native American materials and there is no

archaeological sensitivity. The depth at which the alluvium becomes older than 12,500 years cannot be determined from regional geological studies or sediment profiles produced from the geotechnical testing conducted for the Project. Generally, the sensitivity for Native American archaeological resources decreases with depth beneath the fill stratum, which is estimated to extend approximately 5 feet below grade. The potential for individual artifacts to be recovered from within the fill stratum cannot be ruled out, but the likelihood of intact deposits within this stratum is low.

The location of the Development Area on the edge of the floodplain of the Los Angeles River and in reasonable proximity to a known Gabrielino settlement indicates that this area was more intensively used by Native Americans in the past compared to less intensively used areas within the traditional territory. More intensively used areas are more likely to produce physical evidence of those activities that can be preserved as archaeological deposits. The historical alterations documented within the Development Area have clearly reduced the likelihood that a Native American archaeological site or potential tribal cultural resource may have once been present, but the potential for a buried site cannot be ruled out. Accordingly, SWCA finds the Development Area has moderate sensitivity for Native American archaeological resources and tribal cultural resources. This sensitivity is contained within alluvial sediments that are younger than 12,500 years in age. Sediments older than this are too old to contain Native American archaeological resources or tribal cultural resources. The sensitivity for Native American archaeological resources and tribal cultural resources is low within the fill sediments because of the historical land uses.

Historical Archaeological Sensitivity

Historical land uses within the Development Area were assessed through archival research. The pre-1870s agricultural land uses associated with the Coronel family are not activities that typically produce substantial material deposits or physical evidence. Artifacts and features associated with nineteenth century farms are not commonly found identified in archaeological assemblages in this part of Los Angeles. In contrast, materially reinforced canals (e.g., the Zanja Madre) and remains of former buildings and structures have a greater likelihood of being preserved. Review of other maps from this period do not give any indication that there were ever any buildings or structures constructed within the Development Area during the nineteenth century, and these sources also provided evidence confirming that neither of the nearest known segments of the Zanja System—Zanja No. 2 and Zanja No. 3—passed through the Development Area. The agricultural activities are noteworthy in terms of the diminished potential for Native American archaeological sites, but the likelihood of substantial historical archaeological resources from before the turn of the twentieth century is low within the Development Area.

No information was identified to confirm exactly when the agricultural fields ceased being cultivated, but available evidence suggest it was sometime around 1900. In the first decade of the twentieth century the Development Area was used for industrial purposes related to the Electric Railway Company and multiple buildings existed within the Development Area. However, by the 1920s, all these structures had been demolished and replaced with rail lines and a warehouse structure within the Development Area. These developments were associated with the development of the warehouse terminal built in the vicinity of the Development Area which included the development of the extant buildings to the west of the Development Area. There were very few changes to the Development Area until the 1980s when the existing warehouse and rail yard were demolished and replaced with a paved area used for parking and storage. The only discernible changes to the Development Area since then include the re-paving of the area.

A search of the CHRIS identified one historical archaeological site recorded within a 0.8 km (0.5 mile) radius of the Development Area. This site included trash deposits, foundations, and other features related to the mid- to late nineteenth century. The use of the Development Area as a rail yard for over 50 years suggests that if any physical materials are present within the Development Area, then they are likely

associated with this land-use history. The paving of the Development Area may have preserved underlying deposits related to these activities, such as abandoned railroad ties, nails, and tracks, which are commonly found below ground in former industrial areas. Building materials, miscellaneous pieces of refuse including glass and metal food and beverage containers, and former building foundations are also common and could be present within the Development Area. Bore logs produced as part of the geotechnical investigation conducted for the Project report pieces of brick being identified within the fill stratum at all five bore locations sampled within the Development Area. Based on these findings, SWCA finds the Development Area has high sensitivity for containing historical archaeological resources. This sensitivity is contained within sediments designated as fill, which are estimated to extend from beneath the current pavement to as much as 5 feet below grade.

Outreach to California Native American Tribes

SWCA sent notification letters on July 18, 2025, to the ten (10) tribal representatives who are on the City's list of tribes who have requested consultation under AB 52, which is periodically updated with information provided by the NAHC. One of the letters was returned as undeliverable because the addressee, Charles Alvarez of the Gabrielino-Tongva Tribe, had moved. An electronic copy of the letter was emailed on August 4, 2025.

As of November 4, 2025, one response to the notification letters had been received. The response was submitted on July 28, 2025, by the Gabrieleño Band of Mission Indians-Kizh Nation via email to SWCA. The only content included in the email was a request to provide contact information for the lead agency. SWCA replied on the same day and asked for further clarification on the nature of the request as a means of ensuring the appropriate contact was identified. No response was received to SWCA's reply but the City was contacted by the Gabrieleño Band of Mission Indians-Kizh Nation in August 2025. Through subsequent written correspondence and one conference call, the Gabrieleño Band of Mission Indians-Kizh Nation indicated they consider the Development Area to be sensitive and requested three measures. The measures include requirements for a Native American monitor during ground-disturbing activities (TCR-1), and protocols to follow in the event there is a discovery of a non-funerary/ceremonial tribal cultural resource (TCR-2) or human remains and funerary/ceremonial objects (TCR-3). No other responses to the notification letters have been received. A summary of the tribal outreach efforts is provided below in Table 2.

Table 2. Summary of Outreach to California Native American Tribes

Name, Title	Affiliation	Summary
Rudy Ortega, Tribal President	Fernandeño Tataviam Band of Mission Indians	July 21, 2025: Notification letter delivered via USPS certified mail. August 4, 2025: No response received.
Miguel Luna, THCP Director	Fernandeño Tataviam Band of Mission Indians	July 21, 2025: Notification letter delivered via USPS certified mail. August 4, 2025: No response received.
Andrew Salas, Chairperson	Gabrieleño Band of Mission Indians-Kizh Nation	July 21, 2025: Notification letter delivered via USPS certified mail. July 28, 2025: Response received via email requesting contact information for lead agency July 28, 2025: Email reply from SWCA requesting additional information on the nature of the request. August 4, 2025: No response received. August–October 2025: Email correspondence between City and tribal representative; one conference call discussing. Three mitigation measures submitted to the City.

Name, Title	Affiliation	Summary
Anthony Morales, Chairperson	Gabrieleno/Tongva San Gabriel Band of Mission Indians	July 21, 2025: Notification letter delivered via USPS certified mail. August 4, 2025: No response received.
Sandonne Goad, Chairperson	Gabrieleno/Tongva Nation	July 22, 2025: Notification letter delivered via USPS certified mail. August 5, 2025: No response received.
Robert F. Dorame, Chairperson	Gabrieleno-Tongva Indians of California Tribal Council	July 24, 2025: Notification letter delivered via USPS certified mail. August 4, 2025: No response received.
Charles Alvarez	Gabrieleno-Tongva Tribe	July 27, 2025: Notification letter attempted delivery via USPS certified mail and returned because addressee had moved. August 4, 2025: Electronic copy of the notification letter submitted via email to two email addresses, one included on the NAHC contact list and one in the City of Los Angeles list. An auto-response indicating an invalid email address was received in response to one of the two email addresses. August 4, 2025: No response received.
Donna Yocum, Chairperson	San Fernando Band of Mission Indians	July 25, 2025: Notification letter delivered via USPS certified mail. August 8, 2025: No response received.
Isaiah Vivanco, Chairperson	Soboba Band of Luiseño Indians	July 22, 2025: Notification letter delivered via USPS certified mail. August 5, 2025: No response received.
Thomas Tortez, Chairperson	Torres Martinez Desert Cahuilla Indians	July 22, 2025: Notification letter delivered via USPS certified mail. August 5, 2025: No response received.

DISCUSSION OF RESOURCE SIGNIFICANCE AND IMPACT ANALYSIS

Resource Significance

As mentioned above, no previously recorded archaeological or tribal cultural resources have been identified within or in the vicinity of the Development Area. The average estimated depth of excavation to construct the two levels of subterranean parking beneath Buildings A-B and Building C is 20 feet below grade. The excavation to the respective depths would occur across the full extent of the Project Site in the two areas. Additional excavation to a depth of approximately 28 feet below-grade would be conducted under the elevator pit and associated footings. The potential for as-yet unidentified archaeological resources within the Development Area was assessed based on available evidence and is found to be moderate for Native American archaeological deposits (including potential tribal cultural resources) and high for historical archaeological deposits.

Significance for an archaeological resource is typically found under Criterion 4 of the CRHR, but eligibility is also possible under Criteria 1 and 2 where the archaeological materials can be correlated with a historically significant event or person(s). These are considered in more detail below. Criterion 3 is generally focused on resources that are architectural or structural in nature, which are analyzed as historical resources, not archaeological or tribal cultural. While there could be rare exceptions in which an archaeological resource satisfies Criterion 3, the types of archaeological resources with any reasonable potential of existing in the Development Area are either historic-in-age refuse deposits or scatters of

Native American artifacts, neither of which are at all likely to embody distinctive characteristics in type, period, region, or method, nor are they likely to represent the work of a master or possess high artistic value. As such, a more detailed discussion of the considerations under Criterion 3 is omitted from the subsequent section.

Regardless of the specific significance criteria being considered, determining the integrity and the extent (horizontal and vertical) of any identified archaeological remains is an important component of evaluating CRHR eligibility. Information on the horizontal distribution and vertical depth of the cultural material provides baseline data about the site (e.g., size, presence or absence of subsurface components, discrete activity areas) that contribute to a determination of the site's integrity. For any archaeological site or potential tribal cultural resource to be considered significant, it must satisfy at least one of the CRHR criteria and possess retain integrity (location, design, setting, materials, workmanship, feeling, and association). The integrity of an archaeological site, particularly the elements of location, setting, and association, can be adversely impacted by disturbance from natural or anthropogenic processes.

CRHR Criteria 1 and 2. An archaeological site can be found significant where a direct association can be demonstrated with a historically significant event (Criterion 1) or person (Criterion 2). The Development Area is known to have been owned by Don Coronel, who was a significant person in the history of early Los Angeles, although it is unlikely remains associated with Don Coronel or the period during which he owned the land are present within the Development Area. Additional archival research would be required in order to assess whether any archaeological materials identified in the Development Area (if present) are significant under Criteria 1 and 2. The same integrity considerations described under Criterion 4 would equally apply when determining CRHR eligibility under Criteria 1 and 2.

CRHR Criterion 4. Properties that are significant under Criterion 4 have yielded, or have the potential to yield, information important to the history of the local area, California, or the nation. Evaluations under Criterion 4 should consider whether the archaeological data can contribute to important historic research topics. This evaluation should factor in existing documentary evidence and integrity of the archaeological remains identified.

Properties that are significant under Criterion 4 have yielded, or have the potential to yield, information important to the history of the local area, California, or the nation. The Development Area has a history of industrial uses beginning in the first decade of the twentieth century that continued to the 1980s. The most common deposits preserved within the Development Area are related to the railroad infrastructure and commercial warehouses present within the Development Area. Archaeological deposits that date to this period have the potential to contribute to our understanding of transportation, industrialization, and commerce within Los Angeles during this period.

The integrity of any deposits depends on whether surfaces or features are preserved, and on the potential for identifying and analyzing horizontal and vertical spatial patterning in past behavior. If post-depositional natural or cultural processes have disturbed the context of the artifacts, potential information can be lost or its value highly compromised. As a result, a site with poor integrity often has a diminished capacity to yield information important in history (Criterion 4). Exploring both the horizontal and vertical aspects of the site allows for an evaluation of the information potential of the site and determination of the level of disturbance, if any.

To summarize, evaluations under Criterion 4 should consider whether the archaeological data can contribute to important historic research topics, which for the Development Area could be patterns in historic settlement, demography, consumer behavior, and the nature of land use in the beginning of the twentieth century. This evaluation should factor in existing documentary evidence and integrity of the archaeological remains identified.

Unique archaeological resource. For an archaeological resource to be considered a unique archaeological resource, it must contain information needed to answer important scientific research questions of public interest, possess a unique quality such as being the oldest or best example of a resource type, or be directly associated with a scientifically recognized important historic event or person. (PRC Section 21083.2.) An archaeological site that does not meet the significance threshold for any CRHR eligibility criteria is unlikely to be considered a unique archaeological resource.

Impact Analysis

The following threshold of significance is based on the Cultural and Tribal Cultural Resources sections of the Environmental Checklist contained in Appendix G of the State CEQA Guidelines.

Archaeological Resources

A project would result in significant adverse impacts related to archaeological resources if it would:

b) Cause a substantial adverse change in the significance of an archaeological resource pursuant to state CEQA Guidelines Section 15064.5.

No previously recorded archaeological have been identified within the Development Area. At a minimum, any sediments designated as fill within the Development Area have high sensitivity for archaeological resources. Specifically, there is a potential to encounter objects associated with industrial land uses beginning around 1900 throughout the Development Area. The potential for Native American archaeological resources is characterized as being moderate within naturally deposited alluvial sediments that are Holocene in age (less than 12,500 years). The Project requires the excavation and removal of fill and underlying alluvial sediments below the current grade. If present, archaeological resources in the Development Area could yield information important in prehistory or history and thereby satisfy Criterion 4 of the CRHR. Therefore, ground disturbances from the Project could cause a substantial adverse change in the significance of an archaeological resource pursuant to CCR Section 15064.5. Accordingly, SWCA finds that the Project could result in potentially significant impacts to an archaeological resource.

Tribal Cultural Resources

A project would result in significant adverse impacts related to tribal cultural resources if it would:

a) Cause a substantial adverse change in the significance of a tribal cultural resource, defined in PRC Section 21074 as either a site, feature, place, cultural landscape that is geographically defined in terms of the size and scope of the landscape, sacred place, or object with cultural value to a California Native American tribe, and that is:

   i. Listed or eligible for listing in the CRHR, or in a local register of historical resources as defined in PRC Section 5020.1(k), or

   ii. A resource determined by the lead agency, in its discretion and supported by substantial evidence, to be significant pursuant to criteria set forth in subdivision (c) of PRC Section 5024.1. In applying the criteria set forth in subdivision (c) of PRC Section 5024.1, the lead agency shall consider the significance of the resource to a California Native American tribe.

No listed tribal cultural resources have been identified within the Development Area. At a minimum, any sediments designated as fill within the Development Area have low sensitivity for a tribal cultural resource. The potential for a tribal cultural resource is characterized as moderate within naturally deposited alluvial sediments that are Holocene-in-age (deposited less than 12,500 years ago). Outreach to

California Native American tribes included a conference call between the City and Gabrieleño Band of Mission Indians-Kizh Nation who indicated they consider the Development Area to be sensitive. No information was submitted by the Gabrieleño Band of Mission Indians-Kizh Nation that indicates there is a known tribal cultural resource in the Development Area, nor was any information submitted to support their sensitivity assessment.

The Project requires the excavation and removal of fill and underlying alluvial sediments below the current grade. If present, a Native American site or feature in the Development Area could yield information important in prehistory or history and thereby satisfy Criterion 4 of the CRHR; if the resource also had cultural value to a California Native American tribe, then the resource would be a tribal cultural resource. Therefore, ground disturbances from the Project could cause a substantial adverse change in the significance of a tribal resource pursuant to CCR Section 15064.5. Accordingly, SWCA finds that the Project could result in potentially significant impacts to a tribal cultural resource.

Feasibility of Preservation in Place

According to CEQA Guidelines 15126.4(b)(3), preservation in place (i.e., avoidance) is the preferred manner of treatment of a significant archaeological site, which would also apply to a tribal cultural resource that is archaeological in nature. If avoidance is not feasible, treatment may include archaeological data recovery (i.e., excavation, laboratory processing, and analysis) to obtain important information and thereby reduce potential impacts under Criterion 4 to less than significant. Architectural documentation of engineered properties may reduce potential impacts under Criterion 3 to less than significant, although there is no indication that any such resources are likely to exist within the Development Area. Treatment options for impacts to archaeological resources eligible under Criteria 1 and 2 typically require the same methodological treatment for resources found eligible under Criterion 4, potentially with more directed and extensive research and analysis components.

Preservation in place may include any of the following: planning construction to avoid archaeological sites; incorporating archaeological sites into a park, greenspace, or open space; covering the archaeological site with a layer of chemically stable soil; and deeding the site into a permanent conservation easement. There are no known, previously recorded archaeological sites identified in the Development Area; therefore, planning for avoidance is not applicable to this Project.

Archaeological sensitivity was assessed as moderate to high, which includes moderate sensitivity for tribal cultural resources. The Project design currently includes substantial amounts of excavation required for the construction of the subterranean parking lots, which very likely precludes the potential for incorporating any archaeological sites that may be discovered during construction into a park, greenspace, or open space, protecting the archaeological site under a soil stratum, or deeding the property into a conservation easement. Thus, if a previously unrecorded archaeological resource is identified within the Development Area and found to be significant, it is very unlikely that preservation in place will be a feasible form of mitigation under any of the examples listed in CEQA Guidelines. Accordingly, measures that allow for archaeological data recovery as a form of mitigative treatment are recommended in the event a previously unrecorded archaeological site is identified during construction and the resource is determined to be significant.

RECOMMENDATIONS AND CONCLUSIONS

Archaeological Resources

Given the moderate to high sensitivity for an archaeological resource within the Development Area, SWCA recommends substituting Section I of Mitigation Measure 4.4-2 of the Program EIR MMP and implementing Section J of Mitigation Measure 4.4-2 of the Program EIR MMP. Section I of Mitigation Measure 4.4-2 requires an archaeological monitor to be present during excavations and provide archaeological sensitivity training to construction personnel prior to initiating construction. This will ensure any archaeological resources that may be present are identified by qualified monitors. No other portions of Mitigation Measure 4.4-2 are recommended to reduce potentially significant impacts because the provisions apply to resources identified before Project construction.

The substitute measure maintains the same requirements in Section I of Mitigation Measure 4.4-2 and adds a provision that requires the qualified archaeologist to prepare a Monitoring Plan. The Monitoring Plan provides details on the implementation of the archaeological monitoring and worker training, as well as the inadvertent discovery protocol described in Section J of Mitigation Measure 4.4-2. Because Native American archaeological resources potentially encountered in the Project Site may also be a tribal cultural resource, SWCA recommends that the Monitoring Plan address both archaeological and tribal cultural resources by incorporating the same requirements described for the "cultural resources monitoring program (CRMP)" as defined in Mitigation Measure 4.15(a). Moreover, because the mitigation measures for each type of resource require equivalent actions to be taken, a Monitoring Plan that addresses both types of resources together will help to ensure consistency during implementation of the mitigation measures. The potential for impacts to an archaeological or tribal cultural resource is the same if the mitigation measures are implemented according to the Monitoring Plan. Thus, substituting Section I of Mitigation Measure 4.4-2 is more effective and will not cause a new significant impact.

Accordingly, SWCA finds that the substitute mitigation measure and Section J of Mitigation Measure 4.4-2 of the Program EIR MMP would reduce potentially significant impacts to archaeological resources to less-than-significant levels.

Substitute Mitigation Measure

> Prior to issuance of a grading permit and prior to the start of any ground-disturbing activity, the applicant shall retain a qualified archaeologist who meets the Secretary of the Interior's Professional Qualification Standards to oversee an archaeological monitor who shall be present during construction excavations, such as demolition, clearing/grubbing, grading, trenching, or any other construction excavation activity associated with the project, including peripheral activities, such as sidewalk replacement, utilities work, and landscaping, which may occur adjacent to the project site. The frequency of monitoring shall be based on the rate of excavation and grading activities, the materials being excavated (younger sediments vs. older sediments), the depth of excavation, and, if found, the abundance and type of archaeological resources encountered. Full-time monitoring may be reduced to part-time inspections, or ceased entirely, if determined adequate by the qualified archaeologist. Prior to commencement of excavation activities, Archaeological Sensitivity Training shall be given for construction personnel. The training session shall be carried out by the qualified archaeologist and shall focus on how to identify archaeological resources that may be encountered during earthmoving activities and the procedures to be followed in such an event.

The details of the monitoring and training shall be summarized in an Archaeological and Tribal Cultural Resources Monitoring Plan (Monitoring Plan) prepared by the qualified archaeologist, in consultation with all interested Tribes, prior to the commencement of ground disturbing activities for the project. The Monitoring Plan shall include compliance with Section J of Mitigation Measures 4.4-2 and Mitigation Measure 4.15-1(b), including the portions referring to the implementation of a Cultural Resources Monitoring Program (CRMP). The Monitoring Plan will provide details regarding the process for infield treatment of inadvertent discoveries of archaeological and tribal cultural resources and the disposition of inadvertently discovered non-funerary resources, and shall be consistent with the treatment of unique archaeological resources in PRC Section 21083.2.

Program EIR Mitigation Measure

Mitigation Measure 4.4-2. Archaeological Resources

J. In the event that historic (e.g., bottles, foundations, refuse dumps/privies, railroads, etc.) or prehistoric (e.g., hearths, burials, stone tools, shell and faunal bone remains, etc.) archaeological resources are unearthed, ground-disturbing activities shall be halted or diverted away from the vicinity of the find so that the find can be evaluated. A 50-foot buffer within which construction activities shall not be allowed to continue shall be established by the qualified archaeologist around the find. Work shall be allowed to continue outside of the buffer area. All archaeological resources unearthed by project development activities shall be evaluated by the qualified archaeologist. If a resource is determined by the qualified archaeologist to constitute a "historical resource" pursuant to CEQA Guidelines Section 15064.5(a) or a "unique archaeological resource" pursuant to Public Resources Code Section 21083.2(g), the qualified archaeologist shall coordinate with the applicant and the City to develop a formal treatment plan that would serve to reduce impacts to the resources. The treatment plan established for the resources shall be in accordance with CEQA Guidelines Section 15064.5(f) for historical resources and Public Resources Code Sections 21083.2(b) for unique archaeological resources. Preservation in place (i.e., avoidance) is the preferred manner of treatment. If, in coordination with the City, it is determined that preservation in place is not feasible, appropriate treatment of the resource shall be developed by the qualified archaeologist in coordination with the City and may include implementation of archaeological data recovery excavations to remove the resource along with subsequent laboratory processing and analysis. Any archaeological material collected shall be curated at a public, non-profit institution with a research interest in the materials, if such an institution agrees to accept the material. If no institution accepts the archaeological material, they shall be donated to a local school, Tribe, or historical society in the area for educational purposes.

Tribal Cultural Resources

Given the sensitivity for a tribal cultural resource within portions of the Development Area, SWCA recommends substituting Mitigation Measure 4.15-1(b) of the Program EIR MMP. Mitigation Measure 4.15-1(b) outlines a process to be followed in the event a potential tribal cultural resource is discovered. The performance standards included in Mitigation Measure 4.15-1(b) are based on the following requirements: temporarily halting work within a radius of 50 feet until the discovery can be assessed by a Qualified Archaeologist and affiliated tribes; retaining a tribal monitor if a tribal cultural resource is identified; identifying appropriate treatment consistent with existing regulations and in consultation with affiliated tribes; observing confidentiality requirements concerning the discovered resource, and; allowing

for adequate documentation of scientific information when applicable. The substitute measure TRC-MM-1 includes provisions that satisfy the same minimum requirements in Mitigation Measure 4.15-1(b) but adds requirements for worker training and tribal monitoring in areas with sensitivity for tribal cultural resources. The substitute measure includes elements of the three measures requested by the Gabrieleño Band of Mission Indians—Kizh Nation, specifically the elements stipulating the requirements for and methods used by a tribal monitor during ground-disturbing activities. The other elements of the measures requested by the Gabrieleño Band of Mission Indians—Kizh Nation are addressed in the other provisions of the substitute measure based on the minimum requirements incorporated from Mitigation Measure 4.15-1(b), such as requirements for tribal consultation while assessing potential tribal cultural resources and identifying appropriate forms of treatment for confirmed resources. The substitute measure also incorporates additional details to clarify the performance standards and ensure compliance with existing regulations, conformance with industry standards and best practices, and compatibility with other mitigation measures for the Project, specifically those for archaeological resources.

The substitute mitigation measure and Section J of Mitigation Measure 4.4-2 require an archaeological monitor to be present during excavations, provide archaeological sensitivity training to construction personnel prior to initiating construction, and then follow an archaeological resource discovery protocol. Details on these procedures would be described in a Monitoring Plan that SWCA recommends be included as part of the substitute measure. The provisions in these measures would apply to a Native American site, feature, or object that may also be a tribal cultural resource. Implementation of substitute measure TCR-MM-1 would ensure that any potential tribal cultural resources discovered during Project activities would be assessed as a tribal cultural resource and subject to appropriate forms of treatment. Specific procedures to implement the inadvertent discovery protocol would already be included in the Monitoring Plan, which would function in the same capacity as and incorporate all performance standards as the CRMP defined in Mitigation Measure 4.15-1(b).

By maintaining the same minimum requirements in Mitigation Measure 4.15-1(b) and adding requirement to conduct tribal monitoring, consistent with the sensitivity assessment and measures requested by the Gabrieleño Band of Mission Indians—Kizh Nation, the substitute mitigation measure TCR-MM-1 is more effective and will not cause a new significant impact to tribal cultural resources. Accordingly, when implemented in conjunction with the substitute measure and Section J of Mitigation Measure 4.4-2, SWCA finds that substitute mitigation measures TCR-MM-1, would reduce potentially significant impacts to tribal cultural resources to less-than-significant levels.

Substitute Mitigation Measure

> **Mitigation Measure TCR-MM-1:** Prior to commencing any Ground Disturbance Activities at the Project Site, the Applicant, or its successor, shall retain a qualified tribal monitor from the Gabrieleño Band of Mission Indians—Kizh Nation (Tribe). Ground Disturbance Activities shall include demolition, excavating, digging, trenching, plowing, drilling, tunneling, quarrying, grading, leveling, clearing, driving posts, augering, backfilling, blasting, stripping topsoil, potholing, pavement removal, grubbing, tree removals, boring or a similar activity at the project site. Prior to the commencement of any Ground Disturbance Activities, the Applicant and the Tribe shall execute an agreement for a tribal monitor at a reasonable rate, determined in good faith, consistent with industry standards, taking into account factors such as the scope and duration of the Project and substantial evidence for the presence or absence of tribal cultural resources. If the terms of service cannot be agreed upon, or if no response is received within 10 days of soliciting a request, the Applicant may contact another California Native American tribe included on the Native American Heritage Commission's Tribal Contact List and request the services of a tribal monitor.

Prior to commencing any Ground Disturbance Activities, the tribal monitor, shall provide Worker Environmental Awareness Program (WEAP) training to construction crews involved in Ground Disturbance Activities that includes information on regulatory requirements for the protection of tribal cultural resources. As part of the WEAP training, construction crews shall be briefed on proper procedures to follow should a crew member discover tribal cultural resources during Ground Disturbance Activities. In addition, workers will be shown examples of the types of resources that would require notifying the tribal monitor. The Applicant shall maintain on the Project Site, for potential City inspection, documentation establishing the WEAP training was completed for all members of the construction crew involved in Ground Disturbance Activities.

The tribal monitor shall observe Ground Disturbance Activities on the Project Site when they are taking place in sediments capable of containing tribal cultural resources, as determined by a Qualified Archaeologist in consultation with the Tribe and supported by substantial evidence. The tribal monitor(s) will complete daily monitoring logs that will provide descriptions and locations of the relevant Ground Disturbing Activities, the type of construction activities performed, soil types, cultural-related materials, and any other facts, conditions, materials, or discoveries of significance to the Tribe. Monitor logs will identify and describe any discovered tribal cultural resources as defined in California Public Resources Code Section 21074. Copies of monitor logs will be provided to the project applicant and/or the City upon request to the Tribe(s). The tribal monitoring shall end when either 1) confirmation is received from the Applicant, in writing, that all scheduled activities pertaining to tribal monitoring and all Ground Disturbance Activities are completed; or 2) the Tribe(s) provides a determination, in writing and supported by substantial evidence, that no future, planned construction activity, and/or development/construction phase at the project site possesses the potential to impact any tribal cultural resources.

In the event that any objects or artifacts that may be tribal cultural resources are encountered during the course of any Ground Disturbance Activities, all such activities shall temporarily cease within the area of discovery, the radius of which shall be 50 feet or otherwise determined by the Qualified Archaeologist in consultation with the tribal monitor, until the potential tribal cultural resource is properly assessed and addressed pursuant to the process set forth below:

1. If the Qualified Archaeologist and Tribe determine the resources are Native American in origin, the Tribe will recommend steps for treatment of all discovered tribal cultural resources in the form and/or manner the Tribe deems appropriate, in the Tribe's reasonable discretion, and for any purpose the Tribe deems appropriate, including for educational, cultural and/or historic purposes.

2. The Applicant shall implement the Tribe's recommendations if the Qualified Archaeologist concludes that the Tribe's recommendations are reasonable and feasible. In addition to any recommendations from the Tribe(s), the Qualified Archaeologist shall develop a list of actions that shall be taken to avoid or minimize impacts to the identified tribal cultural resources substantially in compliance with any applicable federal, state or local law, rule or regulation, including but not limited to Public Resources Code Section 21083.2.

3. Ground Disturbance Activities may recommence outside of the specified radius of the discovery site, so long as this radius has been reviewed by both the archaeological monitor and tribal monitor(s) and determined to be reasonable and appropriate, and so long as the Applicant has complied with all of the

recommendations developed and approved pursuant to the process set forth in Paragraphs 1 and 2 above.

4. Copies of any subsequent archaeological study, tribal cultural resources study or report, detailing the nature of any significant tribal cultural resources, remedial actions taken, and disposition of any significant tribal cultural resources shall be submitted to the South Central Coastal Information Center at California State University, Fullerton and to the Native American Heritage Commission for inclusion in its Sacred Lands File.

5. Notwithstanding Paragraph 4 above, any information that Los Angeles Department of City Planning, in consultation with the Los Angeles City Attorney's Office, determines to be confidential in nature shall not be published under the applicable provisions of the Government Code Sections 7929.000 and 7929.005, and subdivision (d) of Section 15120 of Title 14 of the California Code of Regulations.

6. Archaeological and Native American monitoring and excavation during construction projects will be consistent with current professional standards. All feasible care to avoid any unnecessary disturbance, physical modification, or separation of human remains and associated funerary objects shall be taken.

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Appendix A

California Historical Resources Information System
Search Results

PARTIALLY CONFIDENTIAL – NOT FOR PUBLIC DISTRIBUTION

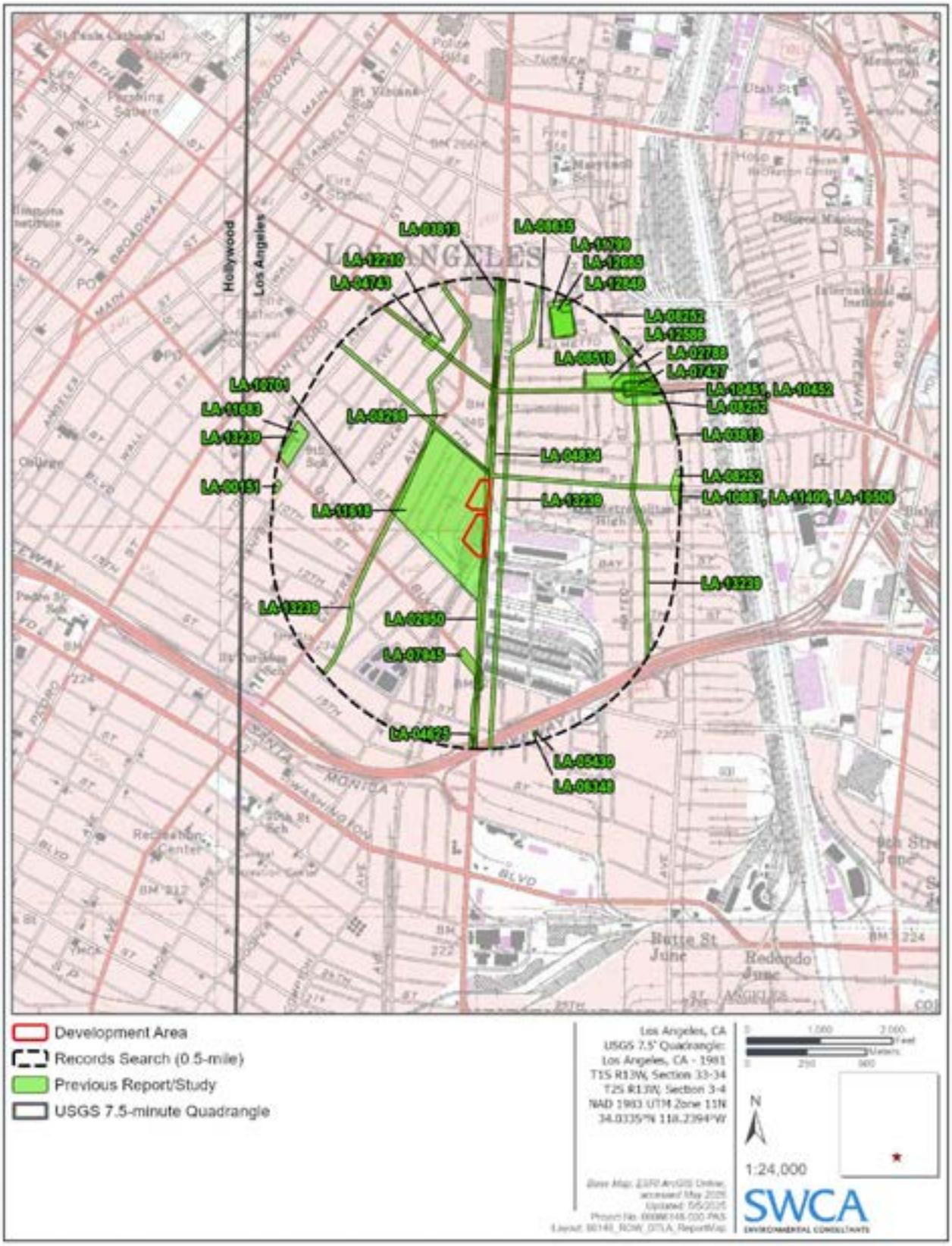

Figure A-1. CHRIS records search results map—previously conducted studies.

Appendix B

Native American Heritage Commission
Sacred Lands File
Search Results Letter

NATIVE AMERICAN HERITAGE COMMISSION

CHAIRPERSON
Reginald Pagaling
Chumash

VICE-CHAIRPERSON
Buffy McQuillen
Yokayo Pomo, Yuki, Nomlaki

SECRETARY
Sara Dutschke
Miwok

PARLIAMENTARIAN
Wayne Nelson
Luiseño

COMMISSIONER
Isaac Bojorquez
Ohlone-Costanoan

COMMISSIONER
Stanley Rodriguez
Kumeyaay

COMMISSIONER
Laurena Bolden
Serrano

COMMISSIONER
Reid Milanovich
Cahuilla

COMMISSIONER
Vacant

EXECUTIVE SECRETARY
Raymond C. Hitchcock
Miwok, Nisenan

NAHC HEADQUARTERS
1550 Harbor Boulevard
Suite 100
West Sacramento,
California 95691
(916) 373-3710
nahc@nahc.ca.gov
NAHC.ca.gov

January 19, 2024

Erica Nicolay
SWCA Environmental Consultants

Via Email to: erica.nicolay@swca.com

Re: Row DTLA (86148) Project, Los Angeles County

Dear Ms. Nicolay:

A record search of the Native American Heritage Commission (NAHC) Sacred Lands File (SLF) was completed for the information submitted for the above referenced project. The results were positive. Please contact the Gabrieleno Band of Mission Indians – Kizh Nation on the attached list for information. Please note that tribes do not always record their sacred sites in the SLF, nor are they required to do so. A SLF search is not a substitute for consultation with tribes that are traditionally and culturally affiliated with a project's geographic area. Other sources of cultural resources should also be contacted for information regarding known and recorded sites, such as the appropriate regional California Historical Research Information System (CHRIS) archaeological Information Center for the presence of recorded archaeological sites.

Attached is a list of Native American tribes who may also have knowledge of cultural resources in the project area. This list should provide a starting place in locating areas of potential adverse impact within the proposed project area. Please contact all of those listed; if they cannot supply information, they may recommend others with specific knowledge. By contacting all those listed, your organization will be better able to respond to claims of failure to consult with the appropriate tribe. If a response has not been received within two weeks of notification, the Commission requests that you follow-up with a telephone call or email to ensure that the project information has been received.

If you receive notification of change of addresses and phone numbers from tribes, please notify the NAHC. With your assistance, we can assure that our lists contain current information.

If you have any questions or need additional information, please contact me at my email address: Andrew.Green@nahc.ca.gov.

Sincerely,

Andrew Green

Andrew Green
Cultural Resources Analyst

Attachment

Native American Heritage Commission
Native American Contact List
Los Angeles County
1/19/2024

Tribe Name	Fed (F) Non-Fed (N)	Contact Person	Contact Address	Phone #	Fax #	Email Address	Cultural Affiliation	Counties	Last Updated
Fernandeno Tataviam Band of Mission Indians	N	Sarah Brunzell, CRM Manager	1019 Second Street San Fernando, CA, 91340	(818) 837-0794		CRM@tataviam-nsn.us	Tataviam	Kern,Los Angeles,Ventura	5/25/2023
Gabrieleno Band of Mission Indians - Kizh Nation	N	Christina Swindall Martinez, Secretary	P.O. Box 393 Covina, CA, 91723	(844) 390-0787		admin@gabrielenoindians.org	Gabrieleno	Los Angeles,Orange,Riverside,San Bernardino,Santa Barbara,Ventura	8/18/2023
Gabrieleno Band of Mission Indians - Kizh Nation	N	Andrew Salas, Chairperson	P.O. Box 393 Covina, CA, 91723	(844) 390-0787		admin@gabrielenoindians.org	Gabrieleno	Los Angeles,Orange,Riverside,San Bernardino,Santa Barbara,Ventura	8/18/2023
Gabrieleno/Tongva San Gabriel Band of Mission Indians	N	Anthony Morales, Chairperson	P.O. Box 693 San Gabriel, CA, 91778	(626) 483-3564	(626) 286-1262	GTTribalcouncil@aol.com	Gabrieleno	Los Angeles,Orange,Riverside,San Bernardino,Ventura	12/4/2023
Gabrielino /Tongva Nation	N	Sandonne Goad, Chairperson	106 1/2 Judge John Aiso St., #231 Los Angeles, CA, 90012	(951) 807-0479		sgoad@gabrielino-tongva.com	Gabrielino	Los Angeles,Orange,Riverside,San Bernardino,Ventura	3/28/2023
Gabrielino Tongva Indians of California Tribal Council	N	Robert Dorame, Chairperson	P.O. Box 490 Bellflower, CA, 90707	(562) 761-6417	(562) 761-6417	gtongva@gmail.com	Gabrielino	Los Angeles,Orange,Riverside,San Bernardino,Santa Barbara,Ventura	3/16/2023
Gabrielino Tongva Indians of California Tribal Council	N	Christina Conley, Cultural Resource Administrator	P.O. Box 941078 Simi Valley, CA, 93094	(626) 407-8761		christina.marsden@alumni.usc.edu	Gabrielino	Los Angeles,Orange,Riverside,San Bernardino,Santa Barbara,Ventura	3/16/2023
Gabrielino-Tongva Tribe	N	Sam Dunlap, Cultural Resource Director	P.O. Box 3919 Seal Beach, CA, 90740	(909) 262-9351		tongvatcr@gmail.com	Gabrielino	Los Angeles,Orange,Riverside,San Bernardino,Ventura	5/30/2023
Gabrielino-Tongva Tribe	N	Charles Alvarez, Chairperson	23454 Vanowen Street West Hills, CA, 91307	(310) 403-6048		Chavez1956metro@gmail.com	Gabrielino	Los Angeles,Orange,Riverside,San Bernardino,Ventura	5/30/2023

Native American Heritage Commission
Native American Contact List
Los Angeles County
1/19/2024

Santa Rosa Band of Cahuilla Indians	F	Lovina Redner, Tribal Chair	P.O. Box 391820 Anza, CA, 92539	(951) 659-2700	(951) 659-2228	lsaul@santarosa-nsn.gov	Cahuilla	Imperial,Los Angeles,Orange,Riverside,San Bernardino,San Diego	
Soboba Band of Luiseno Indians	F	Joseph Ontiveros, Tribal Historic Preservation Officer	P.O. Box 487 San Jacinto, CA, 92581	(951) 663-5279	(951) 654-4198	jontiveros@soboba-nsn.gov	Cahuilla Luiseno	Imperial,Los Angeles,Orange,Riverside,San Bernardino,San Diego	7/14/2023
Soboba Band of Luiseno Indians	F	Jessica Valdez, Cultural Resource Specialist	P.O. Box 487 San Jacinto, CA, 92581	(951) 663-6261	(951) 654-4198	jvaldez@soboba-nsn.gov	Cahuilla Luiseno	Imperial,Los Angeles,Orange,Riverside,San Bernardino,San Diego	7/14/2023

This list is current only as of the date of this document. Distribution of this list does not relieve any person of statutory responsibility as defined in Section 7050.5 of the Health and Safety Code, Section 5097.94 of the Public Resource Section 5097.98 of the Public Resources Code.

This list is only applicable for contacting local Native Americans with regard to cultural resources assessment for the proposed Row DTLA (86148) Project, Los Angeles County.

Record: PROJ-2024-000343
Report Type: List of Tribes
Counties: Los Angeles
NAHC Group: All

Appendix C

Tribal Notification Materials
(Non-Confidential)

SWCA
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320 North Halstead Street, Suite 120
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www.swca.com

July 18, 2025

Andrew Salas
Chairperson
Gabrieleño Band of Mission Indians – Kizh Nation
P.O. Box 393
Covina, CA 91723

Also submitted via email: admin@gabrielenoindians.org

Re: Notification and Information Request for the ROW DTLA Residential Project, Housing Element CEQA Streamlining Checklist, City of Los Angeles, California

Project Address: 757–787 South Alameda Street, 1318–1396 East 7th Street, 736–796 South Central Avenue, 1301–1327 East 8th Street, 700–760 South Market Court, 720–746 South Terminal Street, and 760 South Warehouse Street

Dear Tribal Representative:

This letter is to inform you that the following proposed project is being reviewed by the Los Angeles Department of City Planning (City Planning) according to the Housing Element CEQA Streamlining Checklist (Form CP-4089):

> The ROW DTLA Residential Project (Project) involves the demolition of existing surface parking lots and the construction of two mixed-use buildings and one multi-family building in a 4.8-acre portion (the Development Area) of an approximately 30.65-acre Project Site. The Project Site is in an expansive industrialized area in the east of Downtown Los Angeles. The area surrounding the Project Site is primarily developed with warehouses, cold storage facilities, small-scale manufacturing operations, and other industrial uses, though in more recent years newer commercial office, commercial retail, and residential uses have been developed in the vicinity of the Project Site. The portion of the Project Site along Central Avenue is used as a wholesale produce market and an outdoor weekend market known as Smorgasburg. Except for 747 South Alameda Street, which is currently vacant, the middle portion of the Site between 7th and 8th Street supports retailers and restaurants and another office and hybrid office/light manufacturing tenants that span multiple industries including technology, apparel, construction, produce wholesale and consumer goods. This area also includes a ten-story concrete parking structure that was built in 2016 and is accessed via South Alameda Street. These existing uses will remain and are not being modified by the Project.
>
> The Project proposes to construct three eight-story new construction buildings, including residential units, parking, and retail and cafe space. The three new buildings—Buildings A, B, and C—would be located just north and south of Center Street, which runs east-west through the Project Site. Buildings A and B would be south of Center Street and Building C would be north of Center Street. Building A would include commercial space at the first floor, residential units at the first through eighth floors, and two levels of subterranean parking. Building B would include residential units at the first through eight floors and two levels of subterranean parking. Building C would consist of

commercial space at the first floor, residential units at the first through eighth floors, and two levels of subterranean parking. All three buildings would be surrounded by landscaping.

Ground disturbances required for the Project would occur during demolition of the existing surface parking lot and excavation for the subterranean parking and elevator pits with associated footings. These activities would be limited to a 4.8-acre area within the Project Site that is designated here as the Development Area and is located at 747–787 South Alameda Street, 1390–1396 East 7th Street, Los Angeles, California, 90021. The Development Area consists of two irregularly shaped areas and is currently developed with paved surface parking and limited ornamental vegetation. The average estimated depth of excavation to construct the two levels of subterranean parking beneath Buildings A-B and Building C is 20 feet below grade. The excavation to the respective depths would occur across the full extent of the Project Site in the two areas. Additional excavation to a depth of approximately 28 feet below-grade would be conducted under the elevator pit and associated footings.

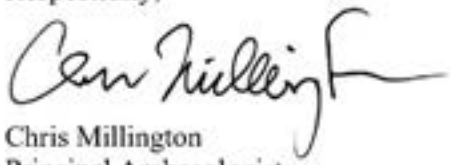
The Los Angeles City Council certified the *Citywide Housing Element 2021-2029 and Safety Element Updates Final Environmental Impact Report* (Program EIR). The proposed Project is within the scope of the Housing Element Program analyzed in the Program EIR, and the environmental clearance for the Project is being analyzed using the Housing Element CEQA Streamlining Checklist (Form CP-4089). The City adopted a Mitigation and Monitoring Program (MMP) for the Program EIR, which describes the procedures and stipulations for implementing mitigation measures to be imposed as conditions of approval by the City on discretionary projects. Mitigation Measure (MM) 4.15-1(a) of the MMP address tribal cultural resources and defines procedures to identify resources and implement applicable impact reduction techniques to reduce substantial adverse effects.

SWCA Environmental Consultants (SWCA) is working as an agent on behalf of the Project Applicant and City. This letter is intended to notify you of the proposed Project pursuant to MM 4.15-1(a) and request any information concerning a tribal cultural resource or likelihood of a potential tribal cultural resource in the Development Area. This information request is not being conducted according to the requirements of Assembly Bill 52 (AB 52), but any information you may wish to provide will be subject to the confidentiality protections provided under Public Resources Code Section 21082.3(c), and as such, will not be included in any publicly circulated documents.

We request that you please respond within 14 calendar days of receipt of this letter to notify us if you have input or questions about the proposed Project. Please provide your contact information and send your request via U.S. mail and/or email to:

SWCA Environmental Consultants
Attn: Chris Millington
320 North Halstead Street, Suite 120
Pasadena, California 91107
Email: cmillington@swca.com

Respectfully,



Chris Millington
Principal Archaeologist

Attachments: Project vicinity map; Project aerial and street map; Project plans

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www.swca.com

July 18, 2025

Anthony Morales
Chairperson
Gabrielino/Tongva San Gabriel Band of Mission Indians
P.O. Box 693
San Gabriel, CA 91778

Also submitted via email: GTTribalcouncil@aol.com

Re: Notification and Information Request for the ROW DTLA Residential Project, Housing Element CEQA Streamlining Checklist, City of Los Angeles, California

Project Address: 757–787 South Alameda Street, 1318–1396 East 7th Street, 736–796 South Central Avenue, 1301–1327 East 8th Street, 700–760 South Market Court, 720–746 South Terminal Street, and 760 South Warehouse Street

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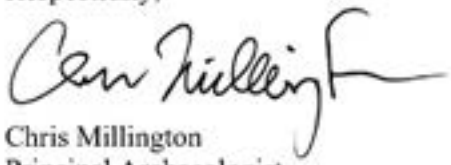

Chris Millington
Principal Archaeologist

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www.swca.com

July 18, 2025

Charles Alvarez
Gabrielino-Tongva Tribe
23454 Vanowen Street
West Hills, CA 91307

Also submitted via email: roadkingcharles@aol.com

Re: Notification and Information Request for the ROW DTLA Residential Project, Housing Element CEQA Streamlining Checklist, City of Los Angeles, California

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Email: cmillington@swca.com

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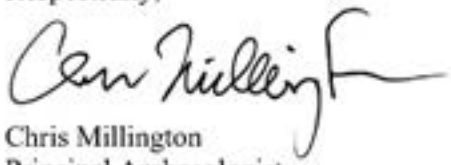

Chris Millington
Principal Archaeologist

Attachments: Project vicinity map; Project aerial and street map; Project plans

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July 18, 2025

Donna Yocum
Chairperson
San Fernando Band of Mission Indians
P.O. Box 221838
Newhall, CA 91322

Also submitted via email: ddyocum@comcast.net

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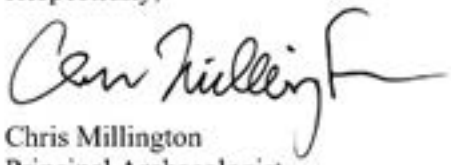

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July 18, 2025

Isaiah Vivanco
Chairperson
Soboba Band of Luiseño Indians
P.O. Box 487
San Jacinto, CA 92581

Also submitted via email: ivivanco@soboba-nsn.gov

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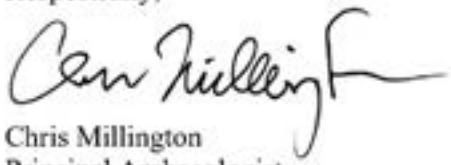

Chris Millington
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July 18, 2025

Miguel Luna
THCP Director
Fernandeño Tataviam Band of Mission Indians
1019 Second Street, Ste. 1
San Fernando, CA 91340

Also submitted via email: miguel.luna@tataviam-nsn.us

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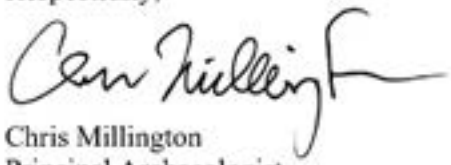

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July 18, 2025

Robert F. Dorame
Chairperson
Gabrielino Tongva Indians of California Tribal Council
P.O. Box 490
Bellflower, CA 90707

Also submitted via email: gtongva@gmail.com

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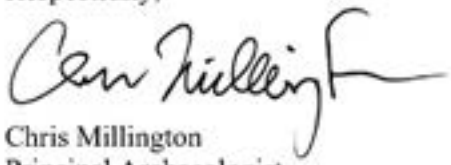

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July 18, 2025

Rudy Ortega
Tribal President
Fernandeño Tataviam Band of Mission Indians
1019 Second Street, Ste. 1
San Fernando, CA 91340

Also submitted via email: thcp@tataviam-nsn.us

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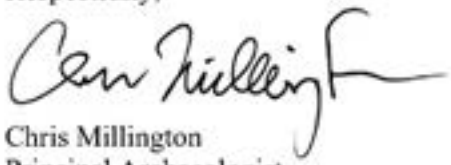
Email: cmillington@swca.com

Respectfully,



Chris Millington
Principal Archaeologist

Attachments: Project vicinity map; Project aerial and street map; Project plans

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320 North Halstead Street, Suite 120
Pasadena, California 91107
Tel 626.240.0587 Fax 626.568.2958
www.swca.com

July 18, 2025

Sandonne Goad
Chairperson
Gabrielino/Tongva Nation
106 1/2 Judge John Aiso St., #231
Los Angeles, CA 90012

Also submitted via email: sgoad@gabrielino-tongva.com

Re: Notification and Information Request for the ROW DTLA Residential Project, Housing Element CEQA Streamlining Checklist, City of Los Angeles, California

Project Address: 757–787 South Alameda Street, 1318–1396 East 7th Street, 736–796 South Central Avenue, 1301–1327 East 8th Street, 700–760 South Market Court, 720–746 South Terminal Street, and 760 South Warehouse Street

Dear Tribal Representative:

This letter is to inform you that the following proposed project is being reviewed by the Los Angeles Department of City Planning (City Planning) according to the Housing Element CEQA Streamlining Checklist (Form CP-4089):

> The ROW DTLA Residential Project (Project) involves the demolition of existing surface parking lots and the construction of two mixed-use buildings and one multi-family building in a 4.8-acre portion (the Development Area) of an approximately 30.65-acre Project Site. The Project Site is in an expansive industrialized area in the east of Downtown Los Angeles. The area surrounding the Project Site is primarily developed with warehouses, cold storage facilities, small-scale manufacturing operations, and other industrial uses, though in more recent years newer commercial office, commercial retail, and residential uses have been developed in the vicinity of the Project Site. The portion of the Project Site along Central Avenue is used as a wholesale produce market and an outdoor weekend market known as Smorgasburg. Except for 747 South Alameda Street, which is currently vacant, the middle portion of the Site between 7th and 8th Street supports retailers and restaurants and another office and hybrid office/light manufacturing tenants that span multiple industries including technology, apparel, construction, produce wholesale and consumer goods. This area also includes a ten-story concrete parking structure that was built in 2016 and is accessed via South Alameda Street. These existing uses will remain and are not being modified by the Project.
>
> The Project proposes to construct three eight-story new construction buildings, including residential units, parking, and retail and cafe space. The three new buildings—Buildings A, B, and C—would be located just north and south of Center Street, which runs east-west through the Project Site. Buildings A and B would be south of Center Street and Building C would be north of Center Street. Building A would include commercial space at the first floor, residential units at the first through eighth floors, and two levels of subterranean parking. Building B would include residential units at the first through eight floors and two levels of subterranean parking. Building C would consist of

commercial space at the first floor, residential units at the first through eighth floors, and two levels of subterranean parking. All three buildings would be surrounded by landscaping.

Ground disturbances required for the Project would occur during demolition of the existing surface parking lot and excavation for the subterranean parking and elevator pits with associated footings. These activities would be limited to a 4.8-acre area within the Project Site that is designated here as the Development Area and is located at 747–787 South Alameda Street, 1390–1396 East 7th Street, Los Angeles, California, 90021. The Development Area consists of two irregularly shaped areas and is currently developed with paved surface parking and limited ornamental vegetation. The average estimated depth of excavation to construct the two levels of subterranean parking beneath Buildings A-B and Building C is 20 feet below grade. The excavation to the respective depths would occur across the full extent of the Project Site in the two areas. Additional excavation to a depth of approximately 28 feet below-grade would be conducted under the elevator pit and associated footings.

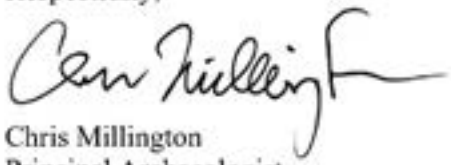
The Los Angeles City Council certified the *Citywide Housing Element 2021-2029 and Safety Element Updates Final Environmental Impact Report* (Program EIR). The proposed Project is within the scope of the Housing Element Program analyzed in the Program EIR, and the environmental clearance for the Project is being analyzed using the Housing Element CEQA Streamlining Checklist (Form CP-4089). The City adopted a Mitigation and Monitoring Program (MMP) for the Program EIR, which describes the procedures and stipulations for implementing mitigation measures to be imposed as conditions of approval by the City on discretionary projects. Mitigation Measure (MM) 4.15-1(a) of the MMP address tribal cultural resources and defines procedures to identify resources and implement applicable impact reduction techniques to reduce substantial adverse effects.

SWCA Environmental Consultants (SWCA) is working as an agent on behalf of the Project Applicant and City. This letter is intended to notify you of the proposed Project pursuant to MM 4.15-1(a) and request any information concerning a tribal cultural resource or likelihood of a potential tribal cultural resource in the Development Area. This information request is not being conducted according to the requirements of Assembly Bill 52 (AB 52), but any information you may wish to provide will be subject to the confidentiality protections provided under Public Resources Code Section 21082.3(c), and as such, will not be included in any publicly circulated documents.

We request that you please respond within 14 calendar days of receipt of this letter to notify us if you have input or questions about the proposed Project. Please provide your contact information and send your request via U.S. mail and/or email to:

SWCA Environmental Consultants
Attn: Chris Millington
320 North Halstead Street, Suite 120
Pasadena, California 91107
Email: cmillington@swca.com

Respectfully,



Chris Millington
Principal Archaeologist

Attachments: Project vicinity map; Project aerial and street map; Project plans

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Pasadena, California 91107
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www.swca.com

July 18, 2025

Thomas Tortez
Chairperson
Torres Martinez Desert Cahuilla Indians
PO Box 1160
Thermal, CA 92274

Also submitted via email: tmchair@torresmartinez.org

Re: Notification and Information Request for the ROW DTLA Residential Project, Housing Element CEQA Streamlining Checklist, City of Los Angeles, California

Project Address: 757–787 South Alameda Street, 1318–1396 East 7th Street, 736–796 South Central Avenue, 1301–1327 East 8th Street, 700–760 South Market Court, 720–746 South Terminal Street, and 760 South Warehouse Street

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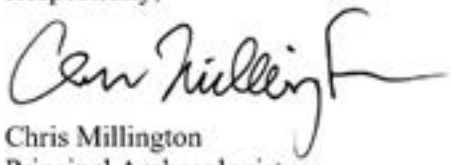
SWCA Environmental Consultants
Attn: Chris Millington
320 North Halstead Street, Suite 120
Pasadena, California 91107
Email: cmillington@swca.com

Respectfully,



Chris Millington
Principal Archaeologist

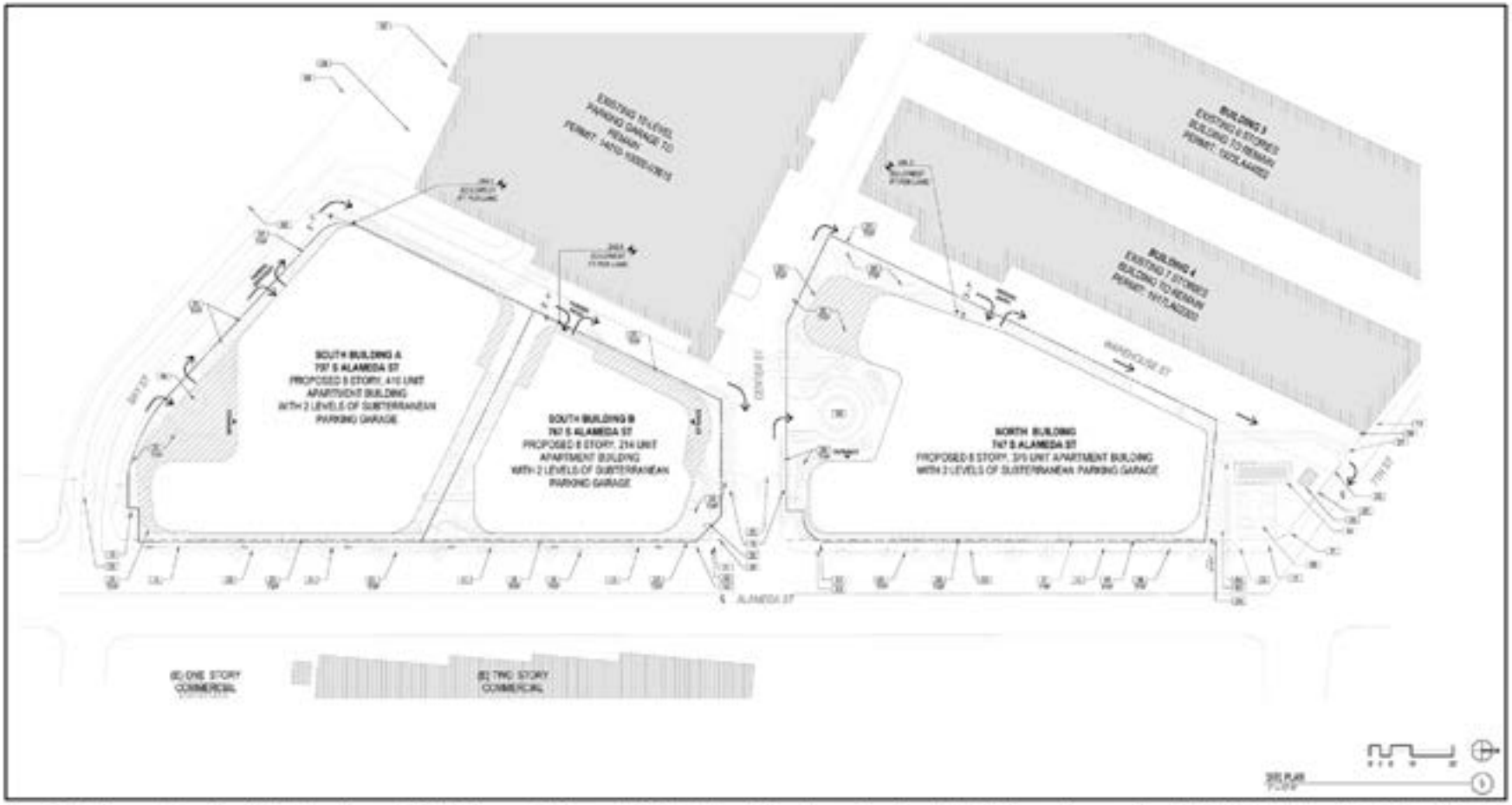
Attachments: Project vicinity map; Project aerial and street map; Project plans



Project vicinity map.



Project location map.



Project plans showing the location of Buildings A, B, and C (bold outlines) and extant buildings to remain in the Site (shaded). Note that north is to the right with Alameda Street along the bottom of the frame and Bay Street on the left.

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City, State, ZIP+4®: Los Angeles CA 90012

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City, State, ZIP+4®: Thermal CA 92274

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City, State, ZIP+4®: San Gabriel CA 91778

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City, State, ZIP+4®: San Fernando CA 91340

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Sent To: Rudy Ortega, Fernandeño Tataviam Band
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Sent To: Robert F. Dorame, Gabrielino Tongva
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City, State, ZIP+4®: Bellflower CA 90707

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☐ Adult Signature Restricted Delivery	$
Postage	$0.78
Total Postage and Fees	$10.48

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07/18/2025

Sent To: Charles Alvarez, Gabrielino-Tongva Tribe
Street and Apt. No., or PO Box No.: 23454 Vanowen Street
City, State, ZIP+4®: West Hills CA 91307

PS Form 3800, January 2023 PSN 7530-02-000-9047 See Reverse for Instructions

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☐ Return Receipt (electronic)	$0.00
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☐ Adult Signature Required	$0.00
☐ Adult Signature Restricted Delivery	$
Postage	$0.78
Total Postage and Fees	$10.48

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Sent To: Donna Yocum, San Fernando Band
Street and Apt. No., or PO Box No.: PO Box 221838
City, State, ZIP+4®: Newhall CA 91322

PS Form 3800, January 2023 PSN 7530-02-000-9047 See Reverse for Instructions

From: Chris Millington
To: roadkingcharles@aol.com; Chavez1956metro@gmail.com
Subject: Notification Letter for the ROW DTLA Residential Project, Los Angeles
Date: Monday, August 4, 2025 9:47:00 AM
Attachments: ROW DTLA - Tribal Outreach Letter_Charles Alvarez.pdf
image001.png

Greetings Mr. Alvarez,

My name is Chris Millington, and I am an archaeologist with SWCA Environmental Consultants based out of Pasadena. You and I have not been introduced, nor have we had any meaningful correspondence, so please forgive the formal nature of this email as an introduction. We recently attempted to send you an outreach letter using the address we were given by the NAHC and City of Los Angeles. The letter was returned as undeliverable, so I am attaching an electronic version as a pdf.

The attached letter provides information on the ROW DTLA Residential Project being assessed through the City's Housing Element CEQA Streamlining process, which requires that notification letters be provided to local tribal representatives, including yourself. If you wish to respond, you are welcome reply to this email or call at either of the numbers listed below.

Thank you in advance for your consideration and I hope we can connect in some capacity in the future.

Best,
Chris

Chris Millington, M.A.
Principal Archaeologist
Project Manager
Registered Professional Archaeologist 32790536

SWCA Environmental Consultants
320 N. Halstead Street, Suite 120
Pasadena, CA 91105
P 626.489.3673 | C 505.507.7268 | cmillington@swca.com
www.swca.com

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ENVIRONMENTAL CONSULTANTS

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Chris Millington

From: Microsoft Outlook
To: roadkingcharles@aol.com
Sent: Monday, August 4, 2025 9:48 AM
Subject: Undeliverable: Notification Letter for the ROW DTLA Residential Project, Los Angeles

Your message to roadkingcharles@aol.com couldn't be delivered.

When Office 365 tried to send your message, the receiving email server outside Office 365 reported an error.

cmillington	**Office 365**	**roadkingcharles**
Sender		**Action Required**
		Policy violation or system error

How to Fix It

Check the "Reported Error" from the "Error Details" section shown below for more information about the problem. The error might tell you what went wrong and how to fix it. For example, if the error states that the message was blocked due to a potential virus or because the message was too large, try sending the message again without attachments.

If you're not able to fix the problem, it's likely that only the recipient's email admin can fix it. Contact the recipient by some other means (by phone, for example) and ask them to tell their email admin about the problem. Give them the "Reported Error" from the "Error Details" section below.

Was this helpful? Send feedback to Microsoft

More Info for Email Admins

Status code: 550 5.0.350

The error reported by the receiving server wasn't specific enough to determine the exact

nature of the problem. These errors often indicate the message violates a security or policy setting configured on the recipient's email servers.

If the sender is unable to fix the problem by modifying their message, then it's likely a problem that only the recipient's email admin can fix. Try the following:

Check the error for information about the problem - The "Reported Error" returned by the external email server can be found in the "Error Details" section below. This error might tell you what went wrong and provide clues for how to fix it. For example, if the error states the message was rejected due a Sender Policy Framework (SPF) issue, then you'll have to work with your domain registrar to correctly configure your domain's SPF records.

Check the error for information about where the problem is happening - For example, look for a domain name like contoso.com. A domain name in the error might suggest who is responsible for the error. It could be the recipient's email server, or it could be a third-party service that your organization or the recipient's organization is using to process or filter email messages.

If you can't fix the problem, contact the responsible party's email admin - Give them the error code and error message from this non-delivery report (NDR) to help them troubleshoot the issue. For security or policy violation issues, it might be sufficient for them to just add your sending IP addresses or domain to their allowed senders list.

It's likely that only the recipient's email admin can fix the problem. Unfortunately, it's unlikely Office 365 Support will be able to help with these kinds of externally reported errors.

Original Message Details

Created Date:	8/4/2025 4:47:59 PM
Sender Address:	cmillington@swca.com
Recipient Address:	roadkingcharles@aol.com
Subject:	Notification Letter for the ROW DTLA Residential Project, Los Angeles

Error Details

Error:	*550 5.0.350 Remote server returned an error -> 554 30 Sorry, your message to roadkingcharles@aol.com cannot be delivered. This mailbox is disabled (554.30).*
Message rejected by:	mtaproxy212.aol.mail.bf1.yahoo.com

Notification Details

Sent by:	*BY3PR19MB5042.namprd19.prod.outlook.com*

Message Hops

HOP	TIME (UTC)	FROM	TO	WITH

Appendix D

Tribal Correspondence (CONFIDENTIAL)

This appendix contains **confidential information** submitted by a California Native American tribe that is considered in the environmental review but is exempt from public disclosure consistent with Public Resources Code Section 21082.3(c). This appendix is omitted from publicly circulated drafts of this report.

This confidential report is on file with the Department of City Planning.

Appendix D.6

Paleontological Resources Assessment

Paleontological Resources Assessment for the ROW DTLA Residential Project, Los Angeles, California

MAY 2025

PREPARED FOR

Alameda Square Owner, LLC

PREPARED BY

SWCA Environmental Consultants

PALEONTOLOGICAL RESOURCES TECHNICAL REPORT FOR THE ROW DTLA RESIDENTIAL PROJECT, LOS ANGELES, CALIFORNIA

Prepared for

Alameda Square Owner, LLC
1318 E. 7th Street, Suite 200
Los Angeles, California 90021

Prepared by

Sarah Rieboldt, Ph.D., Lead Paleontologist and
Chris Millington, M.A., Senior Archaeologist

SWCA Environmental Consultants
320 North Halstead Street, Suite 120
Pasadena, California 91107
(626) 240-0587
www.swca.com

SWCA Project No. 86148

May 27, 2025

EXECUTIVE SUMMARY

Purpose and Scope: SWCA Environmental Consultants (SWCA) prepared this paleontological resources assessment for the ROW DTLA Residential Project (Project) in an industrialized area in the east of the Downtown Los Angeles, California. The Project proposes the demolition of existing surface parking lots and the construction of two mixed-use buildings and one multi-family building, all including subterranean parking structures. The proposed Project is within a portion of the existing ROW DTLA site (the "Project Site"), which comprises three parcels that measure approximately 30.65 acres. Ground disturbances for the Project would be limited to an approximately 4.8-acre portion of the Project Site referred to as the "Development Area." The Development Area consists of two discontinuous areas, north and south of Center Street, on the west side of Alameda Street between 7th Street and Bay Street. Ground-disturbing activities for the Project include demolition of the existing surface parking lot and excavation to an average depth of 20 feet below grade for new subterranean parking structures within the northern and southern portions of the Development Area, as well as excavation to a depth of 28 feet below grade within discrete locations for elevator pits and associated footings. Because the potential for impacts to archaeological and tribal cultural resources is limited to those areas subject to ground-disturbing activities, this study primarily focuses on the Development Area.

The Project is subject to the California Environmental Quality Act (CEQA), and the City of Los Angeles (City) Department of City Planning (DCP) is the lead agency. This assessment was conducted to determine the potential for the Project to impact paleontological resources that may be present in the Development Area and provide mitigation recommendations, as appropriate, pursuant to the requirements of the City's the Housing Element CEQA Streamlining Checklist established under the *Citywide Housing Element 2021-2029 and Safety Element Updates Final Environmental Impact Report* (Program EIR). The proposed Project is within the scope of the Housing Element Program analyzed in the Program EIR, and this assessment incorporates relevant measures from the Mitigation and Monitoring Program (MMP) adopted for the Program EIR. Mitigation Measure 4.5-1(a–d) of the MMP addresses paleontological resources and defines a process for identifying resources and implementing applicable impact reduction techniques to reduce substantial adverse effects.

SWCA prepared this paleontological resources assessment for the Project in compliance with Mitigation Measure 4.5-1(a) (Paleontological Procedures for Discretionary Projects) of the MMP. This report presents the results of a study conducted by a qualified paleontologist that includes a review of geologic maps, scientific literature, confidential fossil locality records from the Natural History Museum of Los Angeles County (NHMLA), and other relevant information used to analyze the paleontological sensitivity within the Development Area. This technical report also includes a discussion of potential impacts to scientifically significant paleontological resources and provides mitigation recommendations to reduce potential impacts to less-than-significant levels consistent with the mitigation measures put forward in the MMP for the Program EIR.

Dates of Investigation: SWCA reviewed geological mapping, literature, and Project information in February of 2024, and received the results of a museum records search from the NHMLA on February 11, 2024.

Summary of Findings: Geologic mapping indicates the entire Development Area contains late Pleistocene (11,700–129,000 years ago) Young Alluvium, Unit 2. The geotechnical report prepared for this Project also noted recent (less than 100 years ago) artificial fill in the Development Area from the surface to depths of 5 feet, with unspecified alluvial deposits consistent with those mapped in and near the Development Area to a depth of 50 feet. NHMLA has no records of known fossil localities from within the bounds of the Development Area, but the museum has several fossil localities in the vicinity from similar deposits as those present within the Development Area. Based on this assessment, artificial fill has

no paleontological sensitivity, and the Young Alluvium, Unit 2 has high paleontological sensitivity. Ground disturbance associated with this Project is expected to extend into deposits with high paleontological sensitivity, and any significant fossils encountered during ground disturbances in previously undisturbed sediments of high paleontological sensitivity would be at risk for damage or destruction from construction activities, which would constitute a potentially significant impact.

Recommendations and Conclusion: SWCA recommends implementation of Mitigation Measures 4.5-1(b), 4.5-1(c), and 4.5-1(d) as described in the Program EIR MMP. These conditions require the following: administering a training to workers (Mitigation Measure 4.5-1[b]); construction monitoring by a qualified specialist during ground-disturbing activities within paleontologically sensitive areas ((Mitigation Measure 4.5-1[c]); and ensuring appropriate treatment of fossils discovered during the Project (Mitigation Measure 4.5-1[d]). These measures would be sufficient to reduce Project impacts to scientifically significant paleontological resources to a less than significant level.

Disposition of Data: This report has been submitted to the Project Applicant and DCP, and a copy will remain on file at SWCA's office in Pasadena, California.

CONTENTS

Executive Summary ..... **i**

Introduction **1**

Regulatory Setting **7**

State Regulations 7

California Environmental Quality Act 7

Public Resources Code Section 5097.5 7

Local Regulations 7

City of Los Angeles General Plan 7

Professional Standards **10**

Scientific Significance 10

Paleontological Sensitivity 11

Methods **12**

Literature Review 12

Museum Records Search 12

Results **12**

Literature Review 12

Regional Geology 12

Local Geology and Paleontology 13

Museum Records Search 15

Impact Analysis **15**

Recommendations **16**

Literature Cited **17**

Appendix

Appendix A. Natural History Museum of Los Angeles County Paleontological Records Search

Figures

Figure 1. Project vicinity map. 3

Figure 2. Project location plotted on USGS 7.5-minute quadrangle, Los Angeles, California. 4

Figure 3. Development Area (red outline) within the parcels that compose the Project Site (blue outlines) plotted on a 2021 aerial photograph. 5

Figure 4. Project plans showing the location of Buildings A, B, and C (bold outlines) and extant buildings to remain in the Site (shaded) 6

Figure 5. Geologic unit within the Development Area. 14

Tables

Table 1. Natural History Museum of Los Angeles County Fossil Localities Near the Development Area 15

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INTRODUCTION

SWCA Environmental Consultants (SWCA) prepared this paleontological resources assessment for the proposed ROW DTLA Residential Project (the Project) in an industrial district east of the downtown area of Los Angeles, California. The Project proposes the demolition of existing surface parking lots and the construction of two mixed-use buildings and one multi-family building, all including subterranean parking. The proposed Project is within a portion of the existing ROW DTLA site (the "Project Site"), which comprises three parcels that measure approximately 30.65 acres. Ground disturbances for the Project would be limited to an approximately 4.8-acre portion of the Project Site referred to as the "Development Area." The Development Area consists of two discontinuous areas, north and south of Center Street, on the west side of Alameda Street between 7th Street and Bay Street. Ground-disturbing activities for the Project include demolition of the existing surface parking lot and excavation for new subterranean parking structures and elevator pits within the northern and southern portions of the Development Area. Because the potential for impacts to archaeological resources is limited to those areas subject to ground-disturbing activities, this study primarily focuses on the Development Area.

The Project is subject to the California Environmental Quality Act (CEQA), and the City of Los Angeles (City) Department of City Planning (DCP) is the lead agency. The Los Angeles City Council certified the *Citywide Housing Element 2021-2029 and Safety Element Updates Final Environmental Impact Report* (Program EIR) (DCP 2021b). The proposed Project is within the scope of the Housing Element Program analyzed in the Program EIR, and the environmental clearance for the Project is being analyzed using the Housing Element CEQA Streamlining Checklist (Form CP-4089). The City adopted a Mitigation and Monitoring Program (MMP) for the Program EIR, which describes the procedures and stipulations for implementing mitigation measures to be imposed as conditions of approval by the City on discretionary projects. Mitigation Measure 4.5-1(a-d) of the MMP addresses paleontological resources and defines a process for identifying resources and implementing applicable impact reduction techniques to reduce substantial adverse effects.

This paleontological resources assessment complies with Mitigation Measure 4.5-1(a) of the MMP. This technical report summarizes the results of a study conducted by a qualified paleontologist to determine the potential for resources to be present within the Development Area, assess if resources are likely to be encountered within the Development Area, analyze the potential for the Project to impact scientifically significant paleontological resources, and recommend mitigation measures to reduce any potential impacts to less-than-significant levels. The methods used in this study include a review of geologic maps, scientific literature, confidential fossil locality records from the Natural History Museum of Los Angeles County (NHMLA), and other relevant information. This assessment follows the guidelines of the Society of Vertebrate Paleontology (SVP) and best practices in mitigation paleontology (Murphey et al. 2019; SVP 2010). The impact analysis is based on the significance thresholds from the Environmental Checklist in Appendix G of CEQA Guidelines. The measures recommended herein are taken exclusively from the MMP for the Program EIR and only incorporate minor revisions to correct typographical errors and add detail to certain performance standards.

This technical report was prepared by SWCA Lead Paleontologist, Sarah Rieboldt, Ph.D. For purposes of compliance with Mitigation Measure 4.5-1(a), Dr. Rieboldt is a qualified paleontologist, which SWCA defines as one who meets the SVP (2010) standards for a qualified professional paleontologist. SWCA Project Manager and Senior Archaeologist Chris Millington, M.A., RPA provided technical input on portions of the project description and regulatory setting. Copies of this report will be submitted to the Applicant and DCP. Research materials and copies of the report will be retained on file with SWCA's office in Pasadena, California.

PROJECT LOCATION AND DESCRIPTION

The Project involves the demolition of an existing surface parking lot and the construction of two mixed-use buildings and one multi-family building in a 4.8-acre portion (the Development Area) of an approximately 30.65-acre Project Site known as ROW DTLA. The Project Site is in an expansive industrialized area in the east of Downtown Los Angeles (Figure 1). The Project Site and Development Area are in Sections 33 and 34 of Township 1 South, Range 13 West, and Sections 3 and 4 of Township 2 South, Range 13 West, which is plotted on the U.S. Geological Survey (USGS) Los Angeles, California, quadrangle (Figure 2). The Project Site occupies an area that is bound by East 7th Street to the north, South Central Avenue to the west, South Alameda Street to the east, and East Olympic Boulevard to the south (Figure 3). The Project Site comprises three irregularly shaped parcels that are associated with the following addresses: 757–787 South Alameda Street, 1318–1396 East 7th Street, 736–796 South Central Avenue, 1301–1327 East 8th Street, 700–760 South Market Court, 720–746 South Terminal Street, and 760 South Warehouse Street.

The area surrounding the Project Site is primarily developed with warehouses, cold storage facilities, small-scale manufacturing operations, and other industrial uses, though in more recent years newer commercial office, commercial retail, and residential uses have been developed in the vicinity of the Project Site. The portion of the Project Site along Central Avenue is used as a wholesale produce market and an outdoor weekend market known as Smorgasburg. Except for 747 South Alameda Street, which is currently vacant, the middle portion of the Project Site between 7th and 8th Street supports retailers and restaurants and another office and hybrid office/light manufacturing tenants that span multiple industries including technology, apparel, construction, produce wholesale and consumer goods. This area also includes a ten-story concrete parking structure that was built in 2016 and is accessed via South Alameda Street. These existing uses will remain and are not being modified by the Project.

The Project proposes to construct three eight-story, new construction buildings, including residential units, parking, and retail and cafe space. The three new buildings—Buildings A, B, and C—would be located just north and south of Center Street, which runs east-west through the Project Site (Figure 4). Buildings A and B would be south of Center Street and Building C would be north of Center Street. Building A would include commercial space at the first floor, residential units at the first through eighth floors, and two levels of subterranean parking. Building B would include residential units at the first through eighth floors and two levels of subterranean parking. Building C would consist of commercial space at the first floor, residential units at the first through eighth floors, and two levels of subterranean parking. All three buildings would be surrounded by landscaping.

Ground disturbances required for the Project would occur during demolition of the existing surface parking lot and excavation for the subterranean parking and elevator pits with associated footings. These activities would be limited to a 4.8-acre area within the Project Site that is designated here as the Development Area (see Figure 3 and Figure 4) and is located at 747–787 South Alameda Street, 1390–1396 East 7th Street, Los Angeles, California, 90021. The Development Area consists of two irregularly shaped areas and is currently developed with paved surface parking and limited ornamental vegetation. The average estimated depth of excavation to construct the two levels of subterranean parking beneath Buildings A-B and Building C is 20 feet below grade. The excavation to the respective depths would occur across the full extent of the Project Site in the two areas. Additional excavation to a depth of approximately 28 feet below-grade would be conducted under the elevator pit and associated footings.



Figure 1. Project vicinity map.

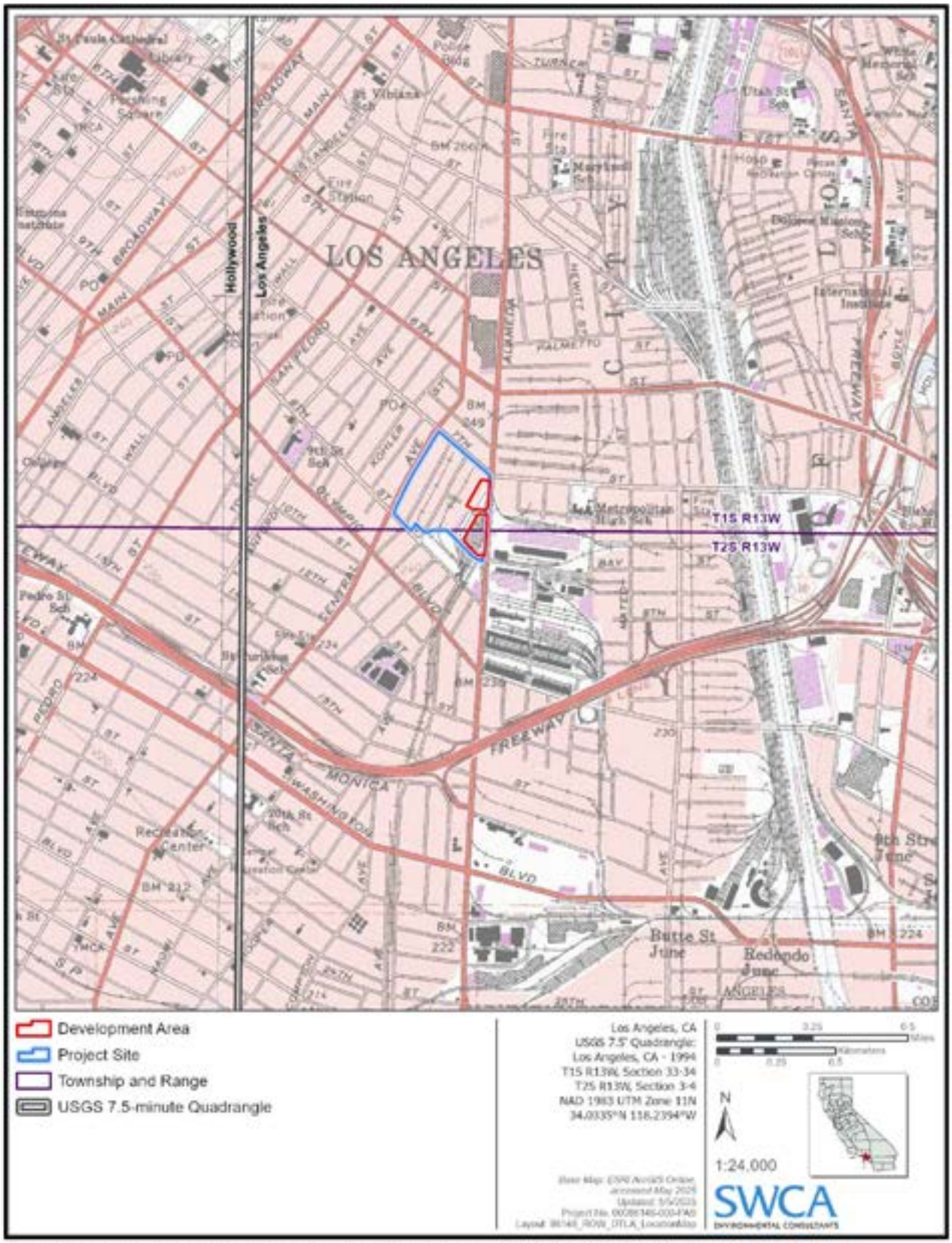

Figure 2. Project location plotted on USGS 7.5-minute quadrangle, Los Angeles, California.



Figure 3. Development Area (red outline) within the parcels that compose the Project Site (blue outlines) plotted on a 2021 aerial photograph.

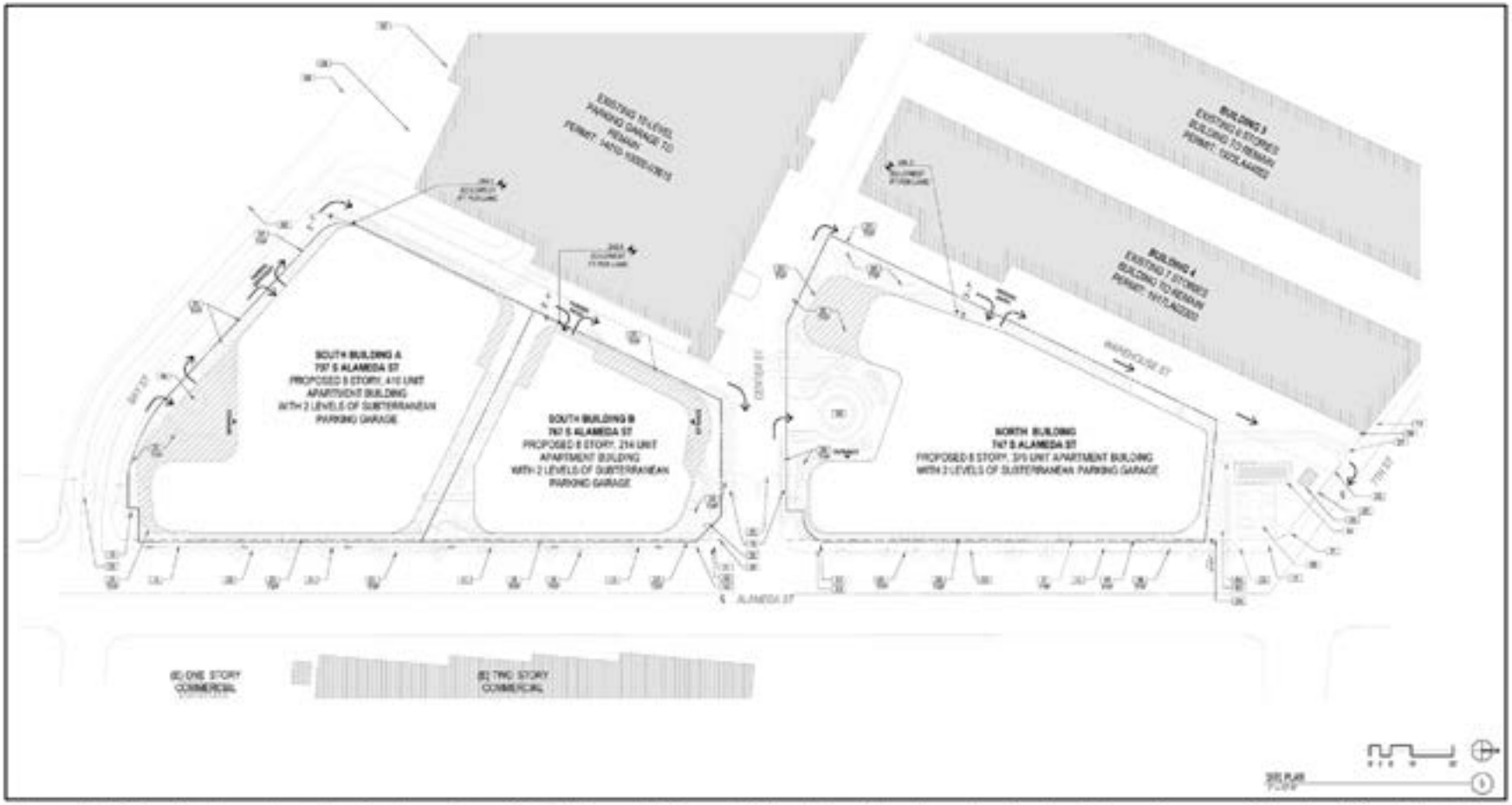

Figure 4. Project plans showing the location of Buildings A, B, and C (bold outlines) and extant buildings to remain in the Site (shaded). Note that north is to the right with Alameda Street along the bottom of the frame and Bay Street on the left.

REGULATORY SETTING

Paleontological resources are limited, nonrenewable resources of scientific and educational value and are afforded protection under state and local regulations.

State Regulations

California Environmental Quality Act

CEQA is the principal statute governing environmental review of projects occurring in the state and is codified at California Public Resources Code (PRC) Section 21000 et seq. CEQA requires lead agencies to determine whether a proposed project would have a significant effect on the environment, including significant effects on paleontological resources. Guidelines for the implementation of CEQA (Title 14, Chapter 3, California Code of Regulations 15000 et seq.) (*State CEQA Guidelines*), define procedures, types of activities, persons, and public agencies required to comply with CEQA. Section VII(f) of the Environmental Checklist (State CEQA Guidelines: Appendix G) asks whether a project would directly or indirectly destroy a unique paleontological resource and result in impacts to the environment.

Public Resources Code Section 5097.5

Requirements for paleontological resource management are included in PRC Division 5, Chapter 1.7, Section 5097.5, which states the following:

> No person shall knowingly and willfully excavate upon, or remove, destroy, injure or deface any historic or prehistoric ruins, burial grounds, archaeological or vertebrate paleontological site, including fossilized footprints, inscriptions made by human agency, or any other archaeological, paleontological or historical feature, situated on public lands, except with the express permission of the public agency having jurisdiction over such lands. Violation of this section is a misdemeanor.

This statute prohibits the removal, without permission, of any paleontological site or feature from land under the jurisdiction of the state or any city, county, district, authority, or public corporation, or any agency thereof. Consequently, local agencies are required to comply with PRC Section 5097.5 for their own activities, including construction and maintenance, as well as for permit actions (e.g., encroachment permits) undertaken by others.

Local Regulations

City of Los Angeles General Plan

CONSERVATION ELEMENT

Chapter II, Section 3 (Archaeological and Paleontological) of the *Conservation Element of the City of Los Angeles General Plan* (Conservation Element) recognizes paleontological resources (page II-3) and contains an objective (page II-5) to protect the City's archaeological and paleontological resources for historical, cultural, research, and/or educational purposes (DCP 2001). The Conservation Element includes the policy to "continue to identify and protect significant archaeological and paleontological sites and/or resources known to exist or that are identified during land development, demolition or property modification activities." The Conservation Element also states the following:

> Pursuant to CEQA, if a land development project is within a potentially significant paleontological area, the developer is required to contact a bona fide paleontologist to arrange for assessment of the potential impact and mitigation of potential disruption of or damage to the site. If significant paleontological resources are uncovered during project execution, authorities are to be notified and the designated paleontologist may order excavations stopped, within reasonable time limits, to enable assessment, removal or protection of the resources. (DCP 2001:II-5)

CITYWIDE HOUSING ELEMENT 2021–2029

The Housing Element of the City's General Plan identifies Los Angeles's housing needs and opportunities and establishes clear goals and objectives to inform future housing decisions. The Housing Element Update was adopted by the City Council on November 24, 2021 (DCP 2021c). An environmental review for the Housing Element Update was completed pursuant to CEQA in conjunction with the Safety Element Update and targeted updates Health Element. A Draft Environmental Impact Report (EIR) was prepared and after incorporating input received during public scoping meetings and circulation, a revised draft was released in October 2021 and approved by the City Planning Commission (CPC) (DCP 2021a).

The *Citywide Housing Element 2021–2029 and Safety Element Updates Final Environmental Impact Report* (Program EIR) (DCP 2021b) was adopted and certified on October 29, 2021. The Program EIR included an MMP, which describes the procedures for implementing the mitigation measures put forward in the Draft EIR. The mitigation measures are included as conditions of approval on future discretionary projects, subject to the City's authority.

Using CEQA Guidelines Section 15168, subsequent projects may use the Program EIR as their environmental clearance if the project can be shown to be within the scope of the program addressed in the Program EIR, and its environmental effects are within the scope of environmental impacts analyzed in the Program EIR. Most projects involving new housing within the City are within the scope of the Housing Element Program and can use the Housing Element CEQA Streamlining Checklist for environmental clearance. For those housing projects found not to be within the scope of the impacts analyzed in the Program EIR, the Program EIR can be used to clear those impacts that were analyzed in the EIR and a tiered clearance, such as a mitigated negative declaration or focused EIR, can be used to clear those impacts that are not within the scope of the Program EIR.

The mitigation measures/conditions of approval in the MMP for the Housing Element Update include the following provisions that apply to paleontological resources (DCP 2021b:5-30 through 5-33).

Paleontological Resources

4.5-1(a) Paleontological Procedures for Discretionary Projects

> For all discretionary projects that involve excavation or grading activities at depths greater than previous disturbance on the respective site(s), prior to the start of construction, the following shall be conducted as discussed in detail below: prepare a resource assessment and records search for the presence of paleontological resources to determine if the project site is underlain by paleontological resources; monitor all excavation and grading activities in areas underlain by soils or geologic units potentially containing paleontological resources; and identify, record, and evaluate all paleontological resources uncovered during project construction and submit a paleontological assessment report to the City for review and approval. In addition, during project construction, the following shall be conducted as discussed in detail below: cease all construction activities in the event of the discovery of paleontological resources;

conduct fossil recovery as necessary by a qualified paleontologist; avoid handling of paleontological resources by parties other than the qualified paleontologist responsible for conducting fossil recovery; and resume construction activities only upon clearance by the qualified paleontologist. These procedures, as detailed below, shall be implemented to avoid impacts to paleontological resources or reduce potential impacts to a less-than-significant level:

- Prior to excavation and grading activities, a qualified paleontologist shall prepare a resource assessment and records search for the potential presence of paleontological resources. This assessment shall be informed by records from the Natural History Museum of Los Angeles County.
- If the assessment determines the project site is underlain by soils or geologic units with a medium to high potential for containing paleontological resources, a qualified paleontologist shall prepare a monitoring plan, and worker education plan. The paleontologist's assessment and any required monitoring or required worker education plan shall be submitted to the City for review and approval prior to the commencement of construction activities. Any monitoring plan shall include requiring compliance with Mitigation Measure 4.5-1(d) for discovery, salvage and treatment.

4.5-1(b) Worker Environmental Awareness Program, Fossil Salvage, and Construction Monitoring

If required by ~~cultural~~ paleontological resources assessment under MM 4.5-1(a), prior to the start of construction, a paleontological monitor shall conduct training for construction personnel regarding the appearance of fossils and the procedures for notifying paleontological staff should fossils be discovered by construction staff, and notice that the identified qualified paleontologist is the only one authorized to handle paleontological find(s), including but not limited to collection and removal. Approved plans shall include [a] statement of WEAP requirement.

4.5-1(c) Construction Monitoring

If required pursuant to a monitoring plan prepared under MM 4.5-1(a), a paleontologist or designated paleontological monitor shall monitor ground disturbance activities, including the initial five feet below the ground surface, as areas with high paleontological sensitivity may contain resources at shallow depths and within the first five feet. If the paleontological monitor determines that full-time monitoring is no longer warranted, he or she may recommend that monitoring be reduced to periodic spot-checking or cease entirely. Monitoring shall be reinstated if any new or unforeseen deeper ground disturbances are required. After ground disturbing activities are completed, the paleontologist or designated monitor shall complete and submit a report to the City verifying compliance with the monitoring plan. Monitoring plan shall show on the plans.

4.5-1(d) Fossil Discovery, Salvage, and Treatment

All discretionary projects shall be subject to the following mitigation measure:

Discovery. If paleontological resources are uncovered during construction activities (in either a previously disturbed or undisturbed area), all ground-disturbing activities in the area of the find shall cease until a qualified paleontologist has evaluated the find, and identified and prepared an appropriate mitigation plan, in accordance with federal, state, and local guidelines, Construction activities in the area of the discovery shall commence again only after the identified resource(s) are properly processed by a qualified paleontologist, and if construction activities are cleared by the qualified paleontologist to continue. If cleared by the qualified paleontologist, construction activity may continue

unimpeded on other portions of the Project Site that would not affect evaluation or recovery of the identified resource(s).

Fossil Salvage and Treatment. The qualified paleontologist or designated paleontological monitor shall recover intact fossils consistent with the mitigation plan and notify the City of any fossil salvage and recovery efforts. Typically, fossils can be safely salvaged quickly by a single paleontologist and not disrupt construction activity. In some cases, larger fossils (such as complete skeletons or large mammal fossils) require more extensive excavation and longer salvage periods. In this case the paleontologist shall have the authority to temporarily direct, divert or halt construction activity to ensure that the fossil(s) can be removed in a safe and timely manner. Any fossils shall be handled and deposited consistent with a mitigation plan prepared by the paleontological monitor. The qualified paleontologist shall prepare a report according to current professional standards including those of the SVP that describes the resource, how it was assessed, and disposition. The report shall be submitted to the City.

The requirements in this mitigation measure shall be shown on plans.

PROFESSIONAL STANDARDS

The SVP has established standard guidelines that outline professional protocols and practices for conducting paleontological resource assessments and surveys; monitoring and mitigation; data and fossil recovery; sampling procedures; and specimen preparation, identification, analysis, and curation (SVP 2010). Most practicing professional mitigation paleontologists in California adhere closely to the SVP's assessment, mitigation, and monitoring requirements as specifically provided in its standard guidelines. Most state regulatory agencies with paleontological laws, ordinances, regulations, and standards accept and use the professional standards set forth by the SVP.

Scientific Significance

Numerous paleontological studies have developed criteria for the assessment of scientific significance for fossil discoveries (e.g., Eisentraut and Cooper 2002; Murphey et al. 2019; Scott and Springer 2003). In general, these studies assess fossils as significant if one or more of the following criteria apply:

1. The fossils provide information on the evolutionary relationships and developmental trends among organisms, living or extinct.
2. The fossils provide data useful in determining the age(s) of the rock unit or sedimentary stratum, including data important in determining the depositional history of the region and the timing of geologic events therein.
3. The fossils provide data regarding the development of biological communities or interaction between paleobotanical and paleozoological biotas.
4. The fossils demonstrate unusual or spectacular circumstances in the history of life.
5. The fossils are in short supply and/or are in danger of being depleted or destroyed by the elements, vandalism, or commercial exploitation and are not found in other geographic locations.

As defined by the SVP, scientifically significant paleontological resources are:

> fossils and fossiliferous deposits, here defined as consisting of identifiable vertebrate fossils, large or small, uncommon invertebrate, plant, and trace fossils, and other data that provide taphonomic, taxonomic, phylogenetic, paleoecologic, stratigraphic, and/or

> biochronologic information. Paleontological resources are considered to be older than recorded human history and/or older than middle Holocene (i.e., older than about [4,200 years ago (Cohen et al. 2023)]). (SVP 2010:11)

Geologic units known to preserve significant fossils or fossil localities are likely to contain additional undiscovered and potentially significant fossils and are generally considered sensitive for paleontological resources throughout their areal and stratigraphic extent.

Paleontological Sensitivity

Paleontological potential ("sensitivity") is defined as the potential for a geologic unit to produce scientifically significant fossils. This is determined by rock type, history of the geologic unit in producing significant fossils, and fossil localities recorded from that unit. Paleontological sensitivity is derived from the known fossil data collected from the entire geologic unit, not just from a specific survey. The sensitivity ranking provides the basis for determining which mitigation measures or recommendations, if any, are appropriate for a particular project.

In *Standard Procedures for the Assessment and Mitigation of Adverse Impacts to Paleontological Resources* (SVP 2010:1–2), the SVP defines four categories of paleontological sensitivity for rock units: high, low, undetermined, and no potential:

> **High Potential**. Rock units from which vertebrate or significant invertebrate, plant, or trace fossils have been recovered are considered to have a high potential for containing additional significant paleontological resources. Rocks units classified as having high potential for producing paleontological resources include, but are not limited to, sedimentary formations and some volcaniclastic formations (e.g., ash or tephra), and some low-grade metamorphic rocks which contain significant paleontological resources anywhere within their geographical extent, and sedimentary rock units temporally or lithologically suitable for the preservation of fossils (e.g., middle Holocene and older, fine-grained fluvial sandstone, argillaceous and carbonate-rich paleosols, cross-bedded point bar sandstone, fine-grained marine sandstone, etc.). Paleontological potential consists of both a) the potential for yielding abundant or significant vertebrate fossils or for yielding a few significant fossils, large or small, vertebrate, invertebrate, plant, or trace fossils and b) the importance of recovered evidence for new and significant taxonomic, phylogenetic, paleoecologic, taphonomic, biochronologic, or stratigraphic data. Rock units which contain potentially datable organic remains older than late Holocene, including deposits associated with animal nests or middens, and rock units which may contain new vertebrate deposits, traces, or trackways are also classified as having high potential.
>
> **Low Potential**. Reports in the paleontological literature or field surveys by a Qualified Professional Paleontologist may allow determination that some rock units have low potential for yielding significant fossils. Such rock units will be poorly represented by fossil specimens in institutional collections or based on general scientific consensus only preserve fossils in rare circumstances and the presence of fossils is the exception not the rule, e.g., basalt flows or recent colluvium. Rock units with low potential typically will not require impact mitigation measures to protect fossils.
>
> **Undetermined Potential**. Rock units for which little information is available concerning their paleontological content, geologic age, and depositional environment are considered to have undetermined potential. Further study is necessary to determine if these rock units have high or low potential to contain significant paleontological resources. A field survey by a Qualified Professional Paleontologist to specifically determine the paleontological resource potential of

these rock units is required before a paleontological resource impact mitigation program can be developed. In cases where no subsurface data are available, paleontological potential can sometimes be determined by strategically excavations into subsurface stratigraphy.

No Potential. Some rock units have no potential to contain significant paleontological resources, for instance high-grade metamorphic rocks (such as gneisses and schists) and plutonic igneous rocks (such as granites and diorites). Rock units with no potential require no protection or impact mitigation measures relative to paleontological resources. (SVP 2010:1 2)

METHODS

Literature Review

The literature review included an examination of geologic maps of the Development Area and vicinity and a review of relevant geological and paleontological literature to determine which geologic units are present in the Development Area, and whether fossils have been recovered from those geologic units elsewhere in the region. The geologic mapping used in this analysis is from Campbell et al. (2014) at a scale of 1:100,000. As geologic units may extend over large geographic areas and contain similar lithologies and fossils, the literature review includes areas beyond the Development Area. The results of this literature review include a discussion of the geology and paleontological sensitivity (or potential) of the geologic units in the Development Area.

Museum Records Search

The purpose of a museum records search is to establish the status and extent of previously recorded paleontological resources within and adjacent to the study area for a given project. This search provides another line of inquiry to assist in determining paleontological sensitivity of geologic units as not all information regarding fossil collections has been documented and published. Generally, this search is conducted through the closest, regional institution that would have collections and information relevant to a project. As this Project is in Los Angeles, the museum records search request was submitted to the NHMLA on February 2, 2024. The results were received on February 11, 2024, and incorporated into the results section of this report. Appendix A (confidential) provides a copy of the museum records search results letter.

RESULTS

Literature Review

Regional Geology

The Development Area, is located at the northern end of the Peninsular Ranges Geomorphic Province, a 900-mile (mi) long northwest-southeast trending structural block that extends from the Transverse Ranges in the north to the tip of Baja California in the south and includes the Los Angeles Basin (California Geological Survey 2002). This province is characterized by mountains and valleys that trend in a northwest-southeast direction, roughly parallel to the San Andreas Fault Zone (Norris and Webb 1990; Sharp 1976). Within this larger region, the Project is located in the Los Angeles Basin, a broad alluvial lowland bounded to the north and east by the San Gabriel and Santa Ana Mountains, respectively, and by

the Pacific Ocean to the southwest (Yerkes et al. 1965). The basin is underlain by a structural depression that has discontinuously accumulated thousands of feet of marine and terrestrial deposits since the Late Cretaceous (approximately 100.5 million years ago [Ma]) (Ingersoll and Rumelhart 1999; Lamar 1970; Yerkes et al. 1965). Over millions of years, the basin has experienced episodes of subsidence, deposition, uplift, erosion, and faulting, all of which have resulted in very complex geology, as well as a prolific oil deposits and abundant fossils (Bilodeau et al. 2007; Ingersoll and Rumelhart 1999; Lamar 1970; Yerkes et al. 1965). The surface of the basin slopes gently southwestward toward the ocean, interrupted in various places by low hills and traversed by several large rivers (Sharp 1976; Yerkes et al. 1965). Dates for the geologic periods and epochs used in this report are derived from the *International Chronostratigraphic Chart* prepared by the International Commission on Stratigraphy (Cohen et al. 2023).

Local Geology and Paleontology

According to geologic mapping by Campbell et al. (2014), the surface of the Development Area and much of the surrounding area contains Late Pleistocene (11,700–129,000 years ago) Young Alluvium, Unit 2 (Qya_2) (Figure 5). Further detail on the subsurface conditions was obtained through a geotechnical investigation of the Development Area conducted in 2023 by Group Delta, which involved drilling seven hollow-stem auger bores drilled 30 to 50 feet below grade, performing eight cone penetration tests, and completing an analysis of the results. The geotechnical investigation identified up to 5 feet of undocumented fill overlying naturally deposited sediments composed of sand and silt (Bueno and Tsai 2023). The units of artificial fill and Young Alluvium, Unit 2 are considered in terms of their paleontological sensitivity in the sections below.

ARTIFICIAL FILL

The geotechnical report prepared for the Project identified unmapped artificial fill across the Development Area from the surface to depths of up to 5 feet (Bueno and Tsai 2023). Artificial Fill typically consists of reworked and recompacted sediments from within a Development Area. Traces of brick were noted in several of the bores. The presence of the fill is consistent with nineteenth and twentieth century land uses. The artificial fill has likely replaced the uppermost sediments of the Young Alluvium, Unit 2 mapped by Campbell et al. (2014).

Artificial Fill may contain fossils, but as they have been removed from their original stratigraphic, taphonomic, or paleoenvironmental context (provenance), they are generally scientifically unimportant. Therefore, artificial fill is unlikely to yield significant paleontological resources and has no paleontological sensitivity.

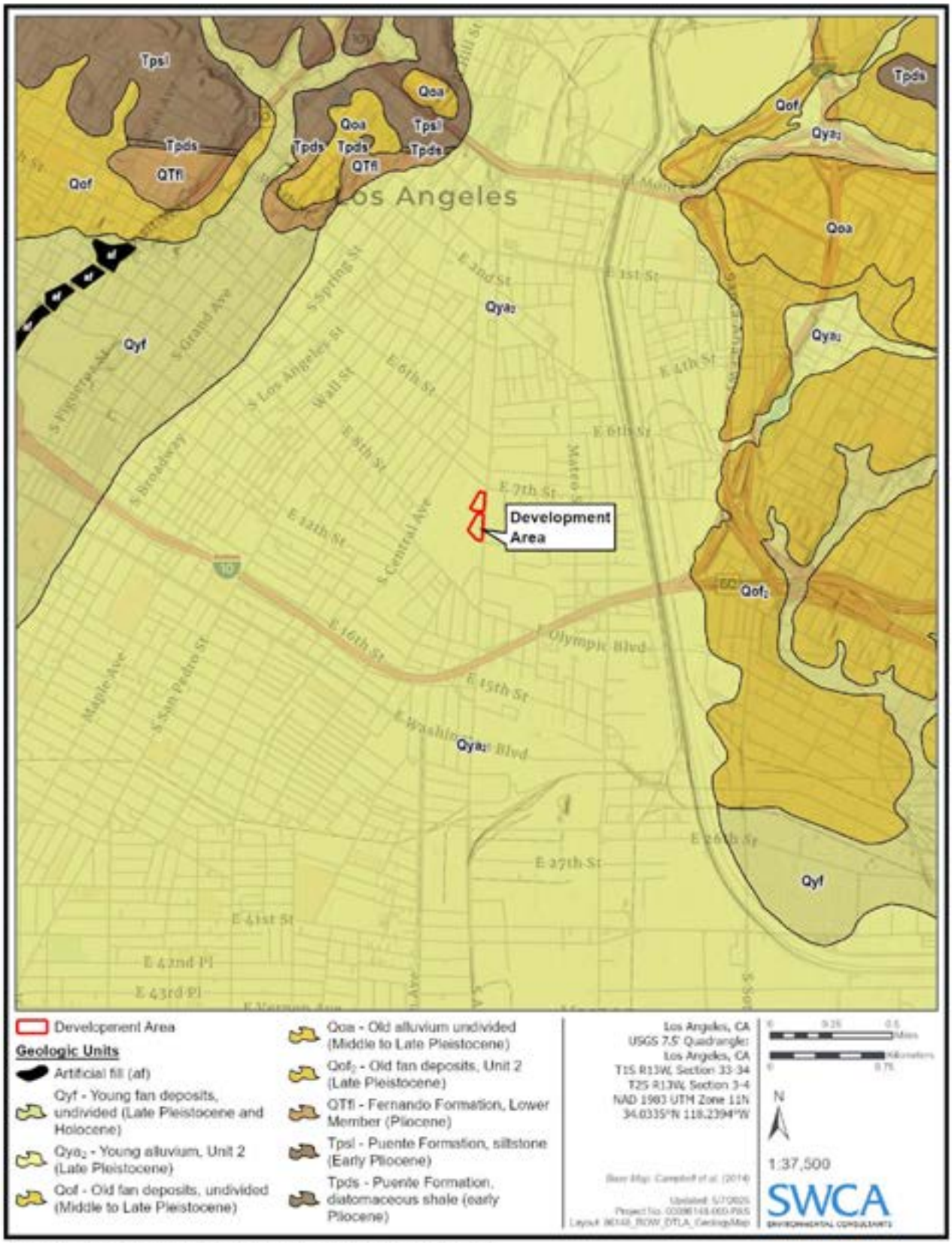

Figure 5. Geologic unit within the Development Area.

Pleistocene alluvial deposits have a rich fossil history in Southern California, especially in the Los Angeles Basin (Jefferson 1991a and 1991b; McDonald and Jefferson 2008; Miller 1971; Reynolds and Reynolds 1991; Springer et al. 2009). The most common Pleistocene terrestrial mammal fossils include the bones of mammoth, bison, deer, and small mammals, but other taxa, including horse, lion, cheetah, wolf, camel, antelope, peccary, mastodon, and giant ground sloth, have been reported (Graham and Lundelius 1994), as well as reptiles, snakes, frogs, and salamanders (Hudson and Brattstrom 1977). In addition to illuminating the striking differences between the Pleistocene and today in Southern California, this abundant fossil record has been vital in studies of extinction (e.g., Barnosky et al. 2004; Sandom et al. 2014; Scott 2010), ecology (e.g., Connin et al. 1998), and climate change (e.g., Roy et al. 1996). Therefore, Young Alluvium, Unit 2 is considered to have high paleontological sensitivity.

Museum Records Search

The NHMLA does not possess records of paleontological resources from within the Development Area; however, several fossil localities have been recorded in the vicinity of the Development Area from unnamed Pleistocene deposits at depths of 20 to 43 feet below grade, as well as from unknown depths. The NHMLA also noted fossil localities from the Fernando and Puente Formations; however, SWCA has no evidence to suggest these geologic units are present in the subsurface of the Development Area at depths that would be reached by Project activities. Therefore, those localities are not discussed further in this report. Table 1 summarizes the relevant results of the NHMLA museum records search.

Table 1. Natural History Museum of Los Angeles County Fossil Localities Near the Development Area

Locality Number	Approximate Distance from the Development Area	Formation	Taxa	Approximate Depth
LACM VP 1755	1 mile	unknown formation (Pleistocene)	horse (*Equus*)	43 feet
LACM VP 1023	2.5 miles	unknown formation (Pleistocene)	Saber-toothed cat (*Smilodon*), horse (*Equus*), deer (*Odocoileus*), turkey (*Meleagris*)	Unknown (excavations for storm drains)
LACM VP 2032	2.25 miles	unknown formation (Pleistocene)	Mastodon (*Mammut*)	20–35 feet

Source: NHMLA (2024)

LACM VP = Los Angeles County Museum Vertebrate Paleontology

IMPACT ANALYSIS

The Development Area contains artificial fill, which has no paleontological sensitivity, from the surface to depths of approximately 5 feet. The artificial fill is immediately underlain by alluvial deposits that have been mapped as late Pleistocene Young Alluvium, Unit 2, which has high paleontological sensitivity. These high sensitivity deposits are inferred to extend to at least 50 feet deep and possibly deeper within the Development Area based on NHMLA records of fossils recovered from Pleistocene deposits at 43 feet deep near the Development Area.

For this Project, ground disturbance would be required for the new buildings, subterranean parking garage, and landscaping. The average estimated depth of excavation to construct the two levels of subterranean parking beneath Buildings A-B and Building C is 20 feet below grade. The excavation to the respective depths would occur across the full extent of the Project Site in the two areas. Additional

excavation to a depth of approximately 28 feet below-grade would be conducted under the elevator pit and associated footings. Ground-disturbing activities associated with the Project that extend beneath the artificial fill (i.e., are greater than 5 feet deep) may reach geologic units of high paleontological sensitivity and have the potential to impact scientifically significant paleontological resources.

RECOMMENDATIONS

SWCA recommends implementation of Mitigation Measures 4.5-1(b), 4.5-1(c), and 4.5-1(d) as described in the Program EIR MMP and quoted in the Regulatory Environment section of this report. These conditions require administering a training to workers, monitoring by a qualified specialist during ground-disturbing activities within paleontologically sensitive areas, and ensuring appropriate treatment of fossils discovered during the Project. These measures would be sufficient to reduce Project impacts to scientifically significant paleontological resources to a less than significant level.

SWCA notes that in the version of Mitigation Measure 4.5-1(b) cited herein incorporates one minor correction to clarify that it is the paleontological resources assessment being referenced and not a cultural resources assessment.

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APPENDIX A

Natural History Museum of Los Angeles County
Paleontological Records Search

Natural History Museum
of Los Angeles County
900 Exposition Boulevard
Los Angeles, CA 90007

tel 213.763.DINO
www.nhm.org

Research & Collections

e-mail: paleorecords@nhm.org

February 11, 2024

SWCA Environmental Consultants
Attn: Sarah Rieboldt

re: Paleontological resources for the ROW DTLA Project (SWCA Project No. 86148)

Dear Sarah:

I have conducted a thorough search of our paleontology collection records for the locality and specimen data for proposed development at the ROW DTLA Project area as outlined on the portion of the Los Angeles USGS topographic quadrangle map that you sent to me via e-mail on February 2, 2024. We do not have any fossil localities that lie directly within the proposed project area, but we do have fossil localities nearby from the same sedimentary deposits that may occur in the proposed project area, either at the surface or at depth.

The following table shows the closest known localities in the collection of the Natural History Museum of Los Angeles County (NHMLA).

Locality Number	Location	Formation	Taxa	Depth
LACM VP 1755	Near 12th & Hill Sts	Unknown Formation (Pleistocene)	Horse (*Equus*)	43 feet bgs
LACM IP, 17 localities	Area bound by 7th St., Spring St., 3rd St., and Flower St.	Fernando Formation	Invertebrates, including *Crepidula princeps* and *C. grandis*; *Haliotis*; Mitraidae; and others	Localities with recorded depths range from 30 – 80 feet bgs
LACM VP 7990	Hall of Justice building	Puente Formation, Yorba Member (claystone; siltstone & sandstone layers)	Teleostei (viperfish [*Chauliodus*], cod [Gadiformes], herring/shad/sardines [Clupeidae], mackerel/tuna/bonito [Scombridae], slickheads [Alepocephalidae], smelts [Bathylagidae], herring smelt [Argentinidae], scaly dragonfish [Stomiatidae], bristlemouths [Gonostomidae])	Unknown depth (fossil layers at 257-321 ft above mean sea level)
LACM VP 5961	Just north of the intersection of 1st & Hill Streets, downtown LA	Puente Formation	Bristlemouth (*Cyclothone*)	Unknown (collected during Metrorail excavations)
LACM VP 1023	Workman & Alhambra Sts	Unknown Formation (Pleistocene)	Sabertooth cat (*Smilodon*), horse (*Equus*), deer (*Odocoileus*), Turkey	Unknown (excavations

Locality Number	Location	Formation	Taxa	Depth
			(*Meleagris*)	for storm drains)
LACM VP 2032	Los Angeles Brickyard Mission Rd. & Daly St.	Unknown Formation (Pleistocene, silt & clay)	Mastodon (*Mammut*)	20-35 feet bgs

VP, Vertebrate Paleontology; IP, Invertebrate Paleontology; bgs, below ground surface

This records search covers only the records of the NHMLA. It is not intended as a paleontological assessment of the project area for the purposes of CEQA or NEPA. Potentially fossil-bearing units are present in the project area, either at the surface or in the subsurface. As such, NHMLA recommends that a full paleontological assessment of the project area be conducted by a paleontologist meeting Bureau of Land Management or Society of Vertebrate Paleontology standards.

Sincerely,

Alyssa Bell

Alyssa Bell, Ph.D.
Natural History Museum of Los Angeles County

enclosure: invoice

Appendix D.7

Hazards Reports
(Phase I, Phase II and Soil Gas Study,
Soil Management Plan, Health and Safety Plan)

California



Environmental

ENVIRONMENTAL SITE ASSESSMENT - PHASE I

Parking Lots of ROW DTLA
Portion of APN 5146-009-008
777 S. Alameda Street,
Los Angeles, California 90021

FOR

ALAMEDA SQUARE OWNER, LLC
ATLAS CAPITAL GROUP, LLC
40 West 57th Street, 29th Floor
New York, NY 10019
Attention: Erin H. Gabrielli

CE Job No. EV0323-3666
May 2023

30423 Canwood Street, Suite 208, Agoura Hills, CA 91301 • P: (818) 991-1542 • E: ceworks@calenviro.com

TABLE OF CONTENTS

Page

TEXT

1.0 EXECUTIVE SUMMARY iv
2.0 INTRODUCTION 1
3.0 SITE DESCRIPTION 5
3.1 LOCATION AND LEGAL DESCRIPTION 5
3.2 DESCRIPTION OF PROPERTY / PROPOSED PROJECT 5
3.3 GEOLOGY AND HYDROGEOLOGY 5
4.0 BACKGROUND INFORMATION 6
4.1 PREVIOUS WORK 6
4.2 SITE UTILIZATION HISTORY 8
4.2.1 Historical City Directories 8
4.2.2 Historical Aerial Photographs 9
4.2.3 Historical Fire Insurance Maps 10
4.2.4 Historical Topographic Maps 11
4.3 RECORDS REVIEW INFORMATION 11
4.3.1 Building Information 11
4.3.2 Underground Storage Tank & Hazardous Materials Research 12
4.3.3 State Regulatory Agency File Review 12
4.3.4 LACFD-HHMD and SCAQMD File Review 12
4.4 SITE DRIVE-BY 12
5.0 SITE RECONNAISSANCE 13
5.1 DESCRIPTION OF PROPERTY/PROPOSED PROJECT 13
5.2 ADJACENT PROPERTIES 13
5.3 TOPOGRAPHY AND DRAINAGE 14
5.4 PAST USES OF THE PROPERTY 14
5.5 USE OF HAZARDOUS SUBSTANCES 14
5.6 STORAGE TANKS 14
5.7 CONTAINERS OF HAZARDOUS OR UNIDENTIFIED SUBSTANCES 14
5.8 SOLID WASTE DISPOSAL 14
5.9 POLY-CHLORINATED BIPHENYL'S (PCBs) 15
5.10 HEATING/COOLING EQUIPMENT 15
5.11 ASBESTOS CONTAINING MATERIALS (ACM) 15
5.12 WASTEWATER TREATMENT AND DISPOSAL SYSTEMS 15
5.13 RADON 15
5.14 LEAD 15
5.15 WELLS 16
5.16 ODOR 16
5.17 STRESSED VEGETATION 16
5.18 STAINING OR RESIDUE 16
5.19 PITS, PONDS, OR LAGOONS 16
5.20 POTABLE WATER SUPPLY 16
5.21 SEWAGE DISPOSAL SYSTEM 17

5.22 OTHER CONDITIONS OF CONCERN 17
6.0 NEARBY CONTAMINATED SITES 17
6.1 LANDFILLS 17
6.2 OIL FIELD MAPS/METHANE HAZARD ZONES 17
6.3 STANDARD ENVIRONMENTAL RECORD SOURCES 18
6.4 POTENTIAL VAPOR ENCROACHMENT CONDITION (p-VEC) 20
7.0 APPARENT PROBLEMS AND CONCERNS 21
8.0 CONCLUSIONS AND RECOMMENDATIONS 22
9.0 OPINION OF ENVIRONMENTAL PROFESSIONAL 23
10.0 REFERENCES AND QUALIFICATIONS 24

TABLES

I. Historical City Directories 9
II. Historical Aerial Photographs 9
III. Historical Fire Insurance Maps 10
IV. Standard Environmental Record Sources 19

ILLUSTRATIONS

Site Photographs – Plates 1-3
Figure 1 - Vicinity Map
Figure 2 - Plot Plan

APPENDICES

I. Environmental Field Reconnaissance Checklist, Field Interview, and User Questionnaire
II. EDR City Directory, Aerial Photographs, Sanborn Maps, and Topographic Maps
III. EDR Radius Map with GeoCheck
IV. Previous Environmental Reports

1.0 EXECUTIVE SUMMARY

An Environmental Site Assessment - Phase I was prepared for the subject property located at 777 S. Alameda Street, Los Angeles, California 90021. The scope of work for this Phase I report conforms to the procedures outlined in the ASTM E 1527-21 *Standard Practice for Environmental Site Assessments*. The purpose of the Phase I report is to provide information regarding the potential for hazardous material impacts to the soil and groundwater beneath the subject property. Such threats or material threats are identified in this report as Recognized Environmental Conditions (RECs). The presence of Historical Recognized Environmental Conditions (HRECs) and Controlled Recognized Environmental Conditions (CRECs) was also evaluated. The extent of this evaluation in conjunction with owner/client-supplied data is intended to satisfy the requirements of all appropriate inquiry into the previous ownership and uses of the property. The scope of the work included a site reconnaissance, research of land use records and other sources for preliminary indications of hazardous material use, storage, or disposal at the property and/or on contiguous parcels. Redevelopment of the property with several multi-unit residential structures including one level of subterranean parking is proposed.

The subject property is located on the west side of South Alameda Street between 7th Street and Bay Street, in the City of Los Angeles, California. The current street addresses for the property are 1390 & 1396 E 7th Street and 777 S. Alameda Street. The 777 S. Alameda Street address is associated with the entire ROW DTLA mall property that extends to the west. According to the Los Angeles County Tax Assessor's office, the Assessor's Parcel Number (APN) for the subject property is a portion of APN 5146-009-008.

The subject property consists of approximately 10 acres of land on the east side of one (1) 20-acre irregular-shaped parcel. The subject property is associated with the ROW DTLA mall, which is located on the remainder of the parcel to the west. The subject property is currently developed with two (2) asphalt-paved parking lots that are bisected by Center Street. The south parking lot was constructed in approximately 1980 and the north parking lot was constructed in approximately 1989. Access to the property is via S Alameda Street to the east.

Historical site utilization research indicates that the subject property was developed with a portion of the Pacific Electric Co. railway yard in the early 1900s. In 1906 this included railroad tracks and buildings used for railway car construction on the south portion of the subject property and a machine shop, blacksmith, and oil house on the north portion of the subject property. By 1950, the electrical construction buildings and oil house had been removed. The structure formerly utilized as a machine shop and blacksmith had been transitioned to a warehouse. The railroad tracks were removed and the existing parking lot was constructed on the south parcel by 1983. The structure on the north parcel was removed and the existing parking lot was constructed on the north parcel by 1989.

Phase I Environmental Site Assessments were conducted for the entire ROW DTLA mall, including the subject property, in 1997, 2004, and 2013. All three reports identified the historical industrial operations associated with the former railroad yard on the subject property as a REC. All three reports recommended implementing subsurface sampling to assess for potential contamination.

Hazardous Materials Consulting (HMC) implemented soil and soil as sampling on the subject property in 2013. The assessment work included a total of 23 soil borings across the entire ROW DTLA property. Of the 23 borings, eight (8) were located on the subject property. The borings on the subject property targeted the former machine shop and oil house located previously located on the north portion of the property, the electrical

construction shop on the south portion of the subject property, and general site screening across the north and south parking lots. In each location one (1) soil gas sample was collected from 5 ft bgs and in five (5) locations one (1) 5 ft co-located soil sample was collected. Soil samples were analyzed for hydrocarbons, VOCs, metals, PAHs, and PCBs dependent on sample location. Soil gas samples were analyzed for VOCs.

All soil gas sample locations on the north portion of the subject property were non-detect for VOCs. One (1) soil sample collected in the area of the former machine shop on the north portion of the property detected lead at 500 mg/kg, above the current DTSC SL for lead in soil at a residential property (80 mg/kg). All other soil samples were below the applicable DTSC SLs for a residential property.

Three (3) soil gas samples in the southern parking lot contained PCE at concentrations ranging from 120 ug/m^3 to 1,600 ug/m^3, which exceeds the current DTSC SL for PCE in soil gas at a residential property (460 ug/m^3). One (1) of the soil gas samples contained a concentration of benzene (120 ug/m^3) that exceeds the current DTSC SL for benzene in soil gas a residential property (97 ug/m^3). Only one (1) of the four (4) soil gas sample locations with exceedances on the southern portion of the subject property had a co-located soil sample. The one (1) co-located soil sample was non-detect for hydrocarbons and VOCs. The soil gas exceedances of PCE and benzene on the south portion of the subject property, and soil exceedance of lead on the north portion of the subject property, are considered a REC.

The subject property address is identified on the standard environmental government sources researched in this report. The property is listed on the NPDES, CIWQS, and HWTS databases. These listings are likely associated with previous development activities that have occurred at the ROW DTLA shopping mall. They are not considered an environmental concern for the subject property.

The nearest listed contaminated site to the subject property is the Texaco Truck Stop (Former) (T0603700645) located directly across E 7th Street to the north. The offsite property is a closed LUST cleanup site. The site previously consisted of truck maintenance facilities, 10 USTs, and multiple fuel dispensers. Between 1992 and 1997, several rounds of soil and groundwater assessment were implemented. The highest concentrations of soil and groundwater contamination was identified on the west side of the property (approximately 430 feet northwest of the subject property) associated with several fuel USTs. Initial sampling in 1992 detected high concentrations of hydrocarbons and BTEX compounds. Soil samples collected in 1995 showed a significant decline in BTEX compounds with benzene at 2.6 mg/kg, toluene at 180 mg/kg, ethylbenzene at 120 mg/kg, and xylenes at 690 mg/kg. Groundwater sampling was only conducted in 1995, and detected TPHg up to 89,000 ug/L, benzene up to 9,200 ug/L, toluene up to 7,400 ug/L, ethylbenzene up to 3,200 ug/L, and xylenes up to 180,000 ug/L. The groundwater was collected from a perched aquifer at approximately 80 feet bgs. Groundwater sampling was attempted in 1996 and 1997, but groundwater was not present in any of the wells. All onsite USTs were removed from the property in 1994. The LARWQCB granted the site "case closed" status as a Low Risk Groundwater Site on March 6, 1998. A sample collected during HMC's 2013 subsurface assessment from between the north portion of the subject property and this offsite release did not detect any VOCs in soil or soil gas to a depth of 5 feet bgs. Therefore, it is considered unlikely that contaminated groundwater or soil gas from this offsite release is impacting the subject property.

California Environmental has prepared an Environmental Site Assessment - Phase I in conformance with the scope and limitations of ASTM 1527-21 for the property located at 777 S Alameda Street, Los Angeles, California. The lack of records prior to (1896) site development is a data gap not constituting a data failure since such

information is unlikely to be useful in evaluating the environmental condition of the site. Review of recorded Land Title Records including environmental liens was excluded from this report. These records should be obtained and reviewed by the user.

Throughout the 1900s, the subject property was utilized as a railway yard that included a variety of industrial operations. The former onsite industrial operations (machine shop, blast furnace, and oil storage) are considered a REC. A 2013 subsurface assessment identified concentrations of PCE and benzene in soil gas and lead in soil that exceed current regulatory screening levels for a residential property. This is considered a REC. No evidence of historical recognized environmental conditions (HREC) or controlled recognized environmental conditions (CRECs) were identified in connection with the subject property. The previous 2013 assessment on the subject property consisted of soil gas sampling at only 5 feet bgs with sporadic co-located soil sampling and analysis. Based on the future development plans for residential structures including one level of subterranean parking, CE recommends implementing an updated soil and soil gas assessment. Soil characterization samples should be collected from near surface soil to a depth of approximately 5 feet below the proposed final grade of the subterranean basement. The soil data can be utilized to develop a profile for future offsite soil disposal and to assess the extent of lead in soil that exceeds the residential screening concentration of 80 mg/Kg. Additionally, soil gas samples should be collected from approximately 5 and 15 feet below the proposed final grade of the subterranean basement to assess vapor intrusion potential for the proposed structure.

2.0 INTRODUCTION

The following report presents the findings of the Environmental Site Assessment - Phase I prepared for the subject property located at 777 S. Alameda Street, Los Angeles California 90021. The scope of the Phase I study meets ASTM E 1527-21 *Standard Practice for Environmental Site Assessments* and included research of available land use records and other sources for preliminary indications of hazardous material use, storage or disposal at the property. The findings of this study are intended to provide information to the client regarding potential hazardous material impacts to the soil and groundwater beneath the site.

The scope of the investigation was conducted in general accordance with ASTM Standard Practice for Environmental Site Assessments – Phase I, Environmental Site Assessment Process ASTM E 1527-21. The steps outlined in this process are intended to permit a user (client) to satisfy one of the requirements to qualify for the innocent landowner, contiguous property owner, or bona fide purchaser limitations on CERCLA liability. Specifically, this report along with certain obligations of the client, constitutes All Appropriate Inquiry (AAI) into the previous ownership and uses of the property consistent with the standard of care as practiced in this area by environmental professionals. A main component of the assessment is to identify recognized environmental conditions, controlled recognized environmental conditions, and historical recognized environmental conditions, as they may affect the subject property. As defined by ASTM E 1527-21, a recognized environmental condition (REC) means *"(1) the presence of hazardous substances or petroleum products in, on, or at the subject property due to a release to the environment; (2) the likely presence of hazardous substances or petroleum products in, on, or at the subject property due to a release or likely release to the environment; or (3) the presence of hazardous substances or petroleum products in, on, or at the subject property under conditions that pose a material threat of a future release to the environment."* A controlled recognized environmental condition (C-REC) is defined *as "recognized environmental condition affecting the subject property that has been addressed to the satisfaction of the applicable regulatory authority or authorities with hazardous substances or petroleum products allowed to remain in place subject to implementation of required controls (for example, activity and use limitations or*

other property use limitations)." An historical recognized environmental condition (HREC) is defined as *"a previous release of hazardous substances or petroleum products affecting the subject property that has been addressed to the satisfaction of the applicable regulatory authority or authorities and meeting unrestricted use criteria established by the applicable regulatory authority or authorities without subjecting the subject property to any controls (for example, activity and use limitations or other property use limitations)."*

An important component of complying with the ASTM E 1527-21 Standard is information to be obtained or in the possession of the client and/or seller of the property. Such information includes obtaining and review of a recent title report, any specialized information regarding the site or surrounding area which may give rise to identification of a recognized environmental condition, and/or reasons given by the seller should the purchase price be significantly lower than what would be reasonably expected for a property of similar size and value. Often a real estate appraiser is commissioned to evaluate the purchase or sale price of a property. Such an appraisal is outside the scope of this Phase I Assessment report.

The independent conclusions represent California Environmental's (CE) professional judgment based on the conditions that existed and the information and data available during the course of the study. Factual information regarding operations, conditions, and test data provided by the client, the owner or their representatives have been assumed to be correct and complete. This report includes **CONCLUSIONS AND RECOMMENDATIONS**, which together with the remainder of this report are subject to the **NOTICE** at the end of the report. **This report was prepared for the sole use and reliance by the client as identified on the title page of this report. Use of this report by other entities is expressly forbidden unless the client and CE grant permission.**

The scope of work included:

- A walkover of the site.
- Review of client/owner supplied information.

- Review of building and grading permits on file with the City of Los Angeles Department of Building and Safety.
- A review of underground storage tank files and industrial waste records maintained by the City of Los Angeles Fire Department Underground Storage Tank and Hazardous Materials Divisions.
- Review of historical USGS topographic maps and historical aerial photographs maintained by EDR Company.
- Research of historical Sanborn Fire Insurance Maps maintained by EDR Company.
- Contact with the California Environmental Protection Agency, Department of Toxic Substances Control to review their files.
- Contact with the California Environmental Protection Agency, Regional Water Quality Control Board to review their files.
- Contact with the Los Angeles County Fire Department to review their files.
- Contact with the South Coast Air Quality Management District to review their files.
- Review of oil well records maintained by the Geologic Energy Management Division.
- Review of the City of Los Angeles – Zone Information and Map Access System (ZIMAS) database.
- Review of the California Integrated Waste Management Board - Solid Waste Information System (SWIS) database
- Review of the following lists and maps of suspect or known contaminated sites; a complete listing of these sources is contained within **APPENDIX III**.
    - California Regional Water Quality Control Board, (RWQCB) - *Computer Case Listing of Reported Underground Tank Leaks*, covering Los Angeles County.
    - California Department of Health Services - *Hazardous Waste and Substance Sites - Cortese List and Contaminated Wells List, which includes the Bond Expenditure Plan* (BEP) sites.
    - California Environmental Protection Agency, Facility and Manifest Data, HAZNET.
    - Historical California Environmental Protection Agency, Department of Toxic Substances Control - *CalSites List*.
    - California Department of Health Services, *Hazardous Waste Information System* (HWIS) and Tanner Report.
    - California Integrated Waste Management Board, *Solid Waste Information System* - (SWIS) List.

- State Water Resources Control Board, *Toxic Pits Clean-up Act (Toxic Pits).*
- State Water Resources Control Board, *Hazardous Substance Storage Container Database* (UST, LUST, SLIC, and WDS).
- U.S. Environmental Protection Agency - *National Priorities List* (NPL).
- U.S. Environmental Protection Agency - *Comprehensive Environmental Response, Compensation, and Liability Information System* (CERCLIS).
- U.S. Environmental Protection Agency, *Toxic Release Inventory System* (TRIS).
- U.S. Environmental Protection Agency, *Resource Conservation and Recovery Information, System Treatment, Storage and Disposal Facilities*, (RCRA-TSDF).
- U.S. Environmental Protection Agency, *Resource Conservation and Recovery Information System, Large Quantity Generators*, (RCRA-LQG).
- U.S. Environmental Protection Agency, Resource *Conservation and Recovery Information System, Small Quantity Generators*, (RCRA-SQG).
- U.S. Environmental Protection Agency - *Superfund Amendment and Reauthorization Act, Title III*, (SARA Title III).
- U.S. Environmental Protection Agency, *Emergency Response Notification System* (ERNS).
- U.S. Environmental Protection Agency, *Facility Index System* (FINDS).
- U.S. Environmental Protection Agency, *Civil Enforcement Docket* (DOCKET).

- A review of government records databases of suspect or known contaminated sites and historical city directories research was performed by EDR Company. The results of the search are summarized in this report. The EDR reports are enclosed in **APPENDICES II** and **III**.
- Review of previous environmental reports.
- Preparation of this report.

3.0 SITE DESCRIPTION

3.1 LOCATION AND LEGAL DESCRIPTION

The subject property is located on the west side of South Alameda Street between 7th Street and Bay Street, in the City of Los Angeles, California, see **FIGURE 1 - VICINITY MAP**. The current street addresses for the property are 1390 & 1396 E 7th Street and 777 S Alameda Street. The 777 S Alameda Street address is associated with the entire ROW DTLA shopping mall property adjacent to the west. According to the Los Angeles County Tax Assessor's office, the Assessor's Parcel Number (APN) for the subject property is a portion of 5146-009-008.

3.2 DESCRIPTION OF PROPERTY / PROPOSED PROJECT

The subject property consists of approximately 10 acres of land on the east side of one (1) 20-acre irregular-shaped parcel. The subject property is associated with the ROW DTLA shopping center, which is located on the remainder of the parcel to the west. The subject property is currently developed with two (2) asphalt-paved parking lots that are bisected by Center Street. The south parking lot was constructed in approximately 1980 and the north parking lot was constructed in approximately 1989. Access to the property is via S Alameda Street to the east. It is proposed to redevelop the subject property with several multi-unit residential structures that include one level of subterranean parking.

3.3 GEOLOGY AND HYDROGEOLOGY

The subject property is located within the northern portion of the Los Angeles Coastal Plain on the west ancestral bank of the Los Angeles River. The Downey Plain feature is a result of coalesced alluvial fans deposited by the Los Angeles River and Rio Hondo Rivers. Surface sediments at the subject

property are Quaternary age and composed of silty to sandy gravel, sand and silt soil types. The Miocene-age Puente formation underlies the unconsolidated Quaternary-age sediments. The Puente Formation is predominantly composed of marine-deposited siltstone, sandstone, and shale. The subject property is located within the Los Angeles Forebay area of the Central Groundwater Basin. The Central Basin occupies a large portion of the southeastern part of the Coastal Plain of Los Angeles Groundwater Basin. The Los Angeles Forebay occupies the northwesterly portion of the Central Basin Non-Pressure Area.

Groundwater level data was obtained from the RWQCB GeoTracker database for the nearby 1910 Bay Street (T1000011015) site located approximately 1,200 feet east of the subject property. Records indicate that in November 2022 groundwater was measured at 117 to 138 feet bgs with a southwest direction of flow.

4.0 BACKGROUND INFORMATION

4.1 PREVIOUS WORK

Mclaren Hart (MH) – *Phase I Environmental Site Assessment, Rykoff Terminal & Warehouses, 709-761 Terminal Street & 1388 East 7th Street, Los Angeles, California 90021*, dated May 1, 1997. MH prepared a Phase I ESA report for the entire ROW DTLA shopping mall, which includes the subject property. The report was prepared pursuant to the ASTM 1527-1994 Standard for Phase I Environmental Assessments. HM identified one REC for the subject property. The subject property was historically developed with railroad tracks, which are often associated with soil contamination due to material spills during loading/unloading or leaks leading to hydrocarbon contamination. HM recommended conducting soil borings across the property to assess for potential contamination.

AEI Consultants (AEI), *Phase I Environmental Site Assessment, 761 Terminal Street, Los Angeles, California 90021*, dated June 25, 2004. AEI prepared a Phase I ESA report for the entire ROW DTLA

shopping mall, which includes the subject property. The report was prepared pursuant to the ASTM 1527-2000 Standard for Phase I Environmental Assessments. AEI identified several RECs associated with the subject property. The Pacific Electric Railroad Company's operations on the subject property included a machine shop/blacksmith, oil house (which likely contained several AST/USTs), woodworking shop, and electrical construction facility. During the site reconnaissance a drum of PCE was observed on the first floor of the building that borders the northwest portion of the subject property. Historically, several tenants that likely used solvents, hydrocarbons, and heavy metals were located on the property adjacent to the west. AEI concluded that soil and groundwater testing would be required to confirm the absence or presence of subsurface contamination.

Hazardous Management Consulting (HMC), *Phase I Environmental Site Assessment, Alameda Square, Los Angeles, California*, dated February 6, 2013. HMC prepared a Phase I ESA report for the entire ROW DTLA shopping mall, which includes the subject property. The report was prepared pursuant to the ASTM 1527-2005 Standard for Phase I Environmental Assessments. HMC identified the historic presence of the Pacific Electric Railway's maintenance operations on the subject property as a REC. HMC noted the operations most likely included the use of fuels, hydrocarbons, solvents, metals and potentially, PCBs. HMC concluded that a subsurface investigation should be conducted to assess the presence of hydrocarbons and solvents in soil gas as well as metals and PCBs that could be present in soil.

HMC, *Results of Soil and Soil Gas Sampling, 777 Sauth Alameda Street, Las Angeles, Califarnia*, dated February 14, 2013. The assessment work included a total of 23 soil borings across the entire ROW DTLA property. Of the 23 borings, nine (9) were located on the subject property. The borings on the subject property targeted the former machine shop and oil house located previously located on the north portion of the property, the electrical construction shop on the south portion of the subject property, and general site screening across the north and south parking lots. In each location one (1) soil gas sample was collected from 5 ft bgs and in five (5) locations one (1) 5 ft co-located soil sample was collected. Soil samples were analyzed for hydrocarbons, VOCs, metals, PAHs, and PCBs dependent on sample location. Soil gas samples were analyzed for VOCs.

All soil gas sample locations on the north portion of the subject property were non-detect for VOCs. One (1) soil sample collected in the area of the former machine shop on the north portion of the property detected lead at 500 mg/kg, above the current DTSC SL for lead in soil at a residential property (80 mg/kg). All other soil samples were below the applicable DTSC SLs for a residential property.

Three (3) soil gas samples in the southern parking lot contained PCE at concentrations ranging from 120 ug/m3 to 1,600 ug/m3, which exceeds the current DTSC SL for PCE in soil gas at a residential property (460 ug/m3). One (1) of the soil gas samples contained a concentration of benzene (120 ug/m3) that exceeds the current DTSC SL for benzene in soil gas a residential property (97 ug/m3). Only one (1) of the four (4) soil gas sample locations with exceedances on the southern portion of the subject property had a co-located soil sample. The one (1) co-located soil sample was non-detect for hydrocarbons and VOCs. The soil gas exceedances of PCE and benzene on the south portion of the subject property, and soil exceedance of lead on the north portion of the subject property, are considered a REC. HMC's 2013 subsurface assessment is attached in **APPENDIX IV**.

CBRE, *Phase I Environmental Site Assessment, LA Industrial Portfolio, 747-787 S. Alameda Street, 746 S Central Avenue, 1318-1320 E. 7th Street, 1215 E 7th Street, Los Angeles, California*, 90021, dated April 5, 2017. CBRE prepared a Phase I ESA report for the entire ROW DTLA shopping mall, which includes the subject property. The report was prepared pursuant to the ASTM 1527-2013 Standard for Phase I Environmental Assessments. CBRE did not identify any RECs, HRECs, or CRECs in connection with the subject property

4.2 SITE UTILIZATION HISTORY

4.2.1 Historical City Directories

EDR Company was contacted to research historical city directories for the subject property and adjacent sites. The city directories were reviewed at approximately five-year intervals spanning from 1920-2020. A summary of city directories reviewed for the subject property is included in **TABLE I**. The EDR City Directory is attached in **APPENDIX II**.

TABLE I
Historical City Directories

Year	Use/User	Source
777 S. Alameda Street		
All listings associated with the ROW DTLA shopping mall on the offsite portion of the subject property parcel.		
1390 & 1396 E. 7th Street		
No Listings		

4.2.2 Historical Aerial Photographs

Historical aerial photographs were reviewed as part of this study. The photographs are part of the aerial photograph collection maintained by the EDR Company. Seventeen (17) photographs were reviewed for the subject property. The photographs are summarized below in **TABLE II**. The aerial photographs are attached in **APPENDIX II** of this report.

TABLE II
Historical Aerial Photographs

Date	Source	Description
1923	FAIR	The subject property appears developed with a railway yard. The south portion of the subject property consists of rail lines and the north portion of the subject property is a large industrial structure. The railway yard extends offsite to the west and includes the existing warehouse structures that are part of the ROW DTLA shopping mall. The surrounding area is densely developed with industrial structures.
1928	FAIR	The subject property and surrounding area appear similar to the previous aerial photograph.
1938	USDA	The subject property and surrounding area appear similar to the previous aerial photograph.
1948	USGS	The subject property and surrounding area appear similar to the previous aerial photograph.
1952	USDA	The subject property and surrounding area appear similar to the previous aerial photograph.
1964	USGS	The subject property and surrounding area appear similar to the previous aerial photograph.
1970	EDR	The subject property and surrounding area appear similar to the previous aerial photograph.
1972	EDR	The subject property and surrounding area appear similar to the previous aerial photograph.
1983	EDR	The south portion of the subject property is redeveloped with a parking lot. The north portion of the subject property is occupied by a large industrial structure. The surrounding area appears similar to the previous aerial photograph.
1989	USDA	The industrial structure previously on the north portion of the subject property has been removed. The south portion of the subject property and surrounding area appear similar to the previous aerial photograph.
1994	USGS/DOQQ	The subject property and surrounding area appear similar to the previous aerial photograph.

TABLE II
Historical Aerial Photographs – Continued

Date	Source	Description
2002	USDA	The north portion of the subject property is redeveloped with a parking lot. The south portion of the subject property and surrounding area appear similar to the previous aerial photograph.
2005	USDA/NAIP	The subject property and surrounding area appear similar to the previous aerial photograph.
2009	USDA/NAIP	The subject property and surrounding area appear similar to the previous aerial photograph.
2012	USDA/NAIP	The subject property and surrounding area appear similar to the previous aerial photograph.
2016	USDA/NAIP	The currently existing transformer station and fire pump house appear adjacent to the north of the subject property. The south portion of the subject property appears similar to the previous aerial photograph. A multistory parking garage associated with the ROW DTLA shopping mall has been constructed adjacent to the west of the south parking lot of the subject property.
2020	USDA/NAIP	The subject property and surrounding area appear similar to the previous aerial photograph.
2022	Google Earth	The subject property and surrounding area appear similar to the previous aerial photograph.

4.2.3 Historical Fire Insurance Maps

The EDR Company was contacted to review historical fire insurance maps for the subject property. Maps covering the subject property for ten (10) time periods between 1888 and 1970 were found. The map descriptions are summarized below in **TABLE III.** Copies of the fire insurance maps are attached in **APPENDIX II** of this report.

TABLE III
Historical Fire Insurance Maps

Date	Description
1888	The subject property does not appear on the Sanborn Map provided.
1900	The subject property does not appear on the Sanborn Map provided.
1906	The subject property is developed with the Pacific Electric Railway Co. railway yard. The north portion of the subject property is developed with a large industrial structure that is occupied by a machine shop and blacksmith. The south portion of the subject property is occupied by the railway's electrical construction department that includes a machine shop. Additionally, an oil house is located in the central portion of the subject property. The railway yard extending offsite to the west is occupied by a variety of repair/ paint shops and warehouses. Offsite across Alameda St to the east is a rail terminal with a variety of industrial tenants including a foundry, gas storage yard, and a plaster company.

TABLE III
Historical Fire Insurance Maps – Continued

Date	Description
1950	The Pacific Electric Railway Co. railway yard is relabeled as the Wholesale Terminal of the Union Terminal. The electrical department building previously located on the south portion of the subject property is removed. The industrial structure on the north portion of the subject property is being utilized as a warehouse. The oil house previously located in the central portion of the subject property has been moved to the south portion of the subject property. The terminal buildings offsite to the west are being utilized as warehouses by various tenants. The railway terminal to the east across Alameda Street has been expanded and is still occupied by a gas storage yard.
1953	The subject property and surrounding area appear similar to the previous aerial photograph.
1954	The subject property and surrounding area appear similar to the previous aerial photograph.
1959	The subject property and surrounding area appear similar to the previous aerial photograph.
1960	The subject property and surrounding area appear similar to the previous aerial photograph.
1967	The subject property and surrounding area appear similar to the previous aerial photograph.
1970	The subject property and surrounding area appear similar to the previous aerial photograph.

4.2.4 Historical Topographic Maps

Historical USGS topographic maps were provided by EDR Company and from online database sources. Maps covering the subject property for thirteen (13) time periods were found. The subject property appears developed as a railway yard by at least 1894 and is in an area of dense urban development by 1928. The Los Angeles River can be seen approximately a half mile to the east.

4.3 RECORDS REVIEW INFORMATION

4.3.1 Building Information

The parking lot on the north parcel was constructed in approximately 1989 and the parking lot on the south parcel was constructed in approximately 1983.

4.3.2 Underground Storage Tank & Hazardous Materials Research

The City of Los Angeles Fire Department (LAFD) publishes lists of records for active and inactive underground storage tanks (USTs) and hazardous materials inventories within the city of Los Angeles. CE's review of the lists released by the LAFD indicates the subject property addresses are not listed.

4.3.3 State Regulatory Agency File Review

The State of California Department of Toxic Substances Control (DTSC) Envirostor and the California Regional Water Quality Control Board (RWQCB) GeoTracker online databases were reviewed for any information they may have regarding soil, soil gas, water, or air contamination at the subject property. CE's review of the GeoTracker and Envirostor online databases indicates that no files are maintained for the subject property.

4.3.4 SCAQMD File Review

The SCAQMD online FIND database was researched for any active or inactive records related to the subject property. A review of the SCAQMD Facility Information Detail (FIND) database indicates that no records are maintained for the subject property.

4.4 SITE DRIVE-BY

A drive-by of the area within one-quarter mile of the property was conducted to help identify nearby sites that possibly use, store, or generate hazardous materials. The area surrounding the subject property consists of commercial and industrial properties. No service stations are located on the properties adjacent to the subject property. A list of selected environmental risk sites identified within a one-quarter mile radius of the subject property is included in the **STANDARD ENVIRONMENTAL RECORDS SOURCES** section of this report.

5.0 SITE RECONNAISSANCE

The site conditions were observed during a reconnaissance conducted by Eric Koons of California Environmental on April 4, 2023. California Environmental completed a Field Reconnaissance Checklist during the site reconnaissance. An Environmental Owner Questionnaire was completed by Jenni Harris, Senior Director - Real Estate Operations of Atlas Capital Group, LLC, who answered in good faith and to the extent of her knowledge. The Environmental Field Reconnaissance Checklist and Environmental Owner Questionnaires are included in **APPENDIX I**. The features described below are shown on the enclosed **FIGURE 2 - PLOT PLAN**. Photographs of the subject property are attached in the **ILLUSTRATIONS** section of this report.

5.1 DESCRIPTION OF THE PROPERTY

The subject property consists of approximately 10 acres of land on the east side of one (1) 20-acre irregular-shaped parcel. The subject property is associated with the ROW DTLA shopping center, which is located on the remainder of the subject property parcel. The subject property is currently developed with two (2) asphalt-paved parking lots bisected by Center Street. The south parking lot was constructed in approximately 1980 and the north parking lot was constructed in approximately 2002. Access to the property is via S. Alameda Street to the east. It is proposed to redevelop the subject property with several multi-unit residential structures that include one level of subterranean parking.

5.2 ADJACENT PROPERTIES

The subject property is bound to the north by East 7th Street with industrial development beyond, to the east by Alameda Street with industrial development beyond, to the south by a wholesale produce market, and to the west by The ROW DTLA shopping center.

5.3 TOPOGRAPHY AND DRAINAGE

The subject property is relatively flat with a topographic elevation of approximately 245 feet above mean sea level. Drainage from the site is by sheetflow towards the adjacent city streets. Several surface drains were observed in the north parking lot. No evidence of catch basins, sumps or standing water was observed on the subject property at the time of the site reconnaissance.

5.4 PAST USES OF THE PROPERTY

No evidence of the past use, treatment, storage, disposal or generation of hazardous substances was observed on the subject property at the time of the site reconnaissance.

5.5 USE OF HAZARDOUS SUBSTANCES

No evidence of significant hazardous substance use was observed on the subject property at the time of the site reconnaissance.

5.6 STORAGE TANKS

No evidence of existing aboveground or underground storage tanks, clarifiers, sumps, or grease interceptors was observed on the subject property at the time of the site reconnaissance.

5.7 CONTAINERS OF HAZARDOUS OR UNIDENTIFIED SUBSTANCES

No evidence of containers of hazardous or unidentified substances was observed on the subject property at the time of the site reconnaissance.

5.8 SOLID WASTE DISPOSAL

No evidence of onsite disposal or landfill of solid waste material was observed on the subject property at the time of the site reconnaissance.

5.9 POLY-CHLORINATED BIPHENYL'S (PCBs)

No evidence of PCB containing transformers or equipment was observed on the subject property at the time of the site reconnaissance.

5.10 HEATING/COOLING EQUIPMENT

There are no structures located on the subject property.

5.11 ASBESTOS CONTAINING MATERIALS (ACM)

There are no structures located on the subject property.

5.12 WASTEWATER TREATMENT AND DISPOSAL SYSTEMS

No evidence of wastewater treatment or disposal systems was observed on the subject property at the time of the site reconnaissance.

5.13 RADON

Radon hazard assessment was not included in the scope of this study. However, the EDR research report indicates the levels of radon at zero (0) of two (2) sites located within the 90021 zip code in Los Angeles County exceeded four picoCurie per Liter (4 pCi/L), the Federal Action level.

5.14 LEAD

There are no structures located on the subject property. Lead was found in soil above the residential screening level of 80 mg/Kg. Further evaluation of the lead in soil is recommended.

5.15 WELLS

No evidence of dry wells, irrigation wells, injection wells, abandoned wells, monitoring wells or other wells was observed on the subject property at the time of the site reconnaissance.

5.16 ODOR

No evidence of strong, pungent or noxious odors was noted on the subject property at the time of the site reconnaissance.

5.17 STRESSED VEGETATION

No evidence of stressed vegetation was observed on the subject property at the time of the site reconnaissance.

5.18 STAINING OR RESIDUE

No evidence of significant staining or residue was observed on the subject property at the time of the site reconnaissance.

5.19 PITS, PONDS, OR LAGOONS

No evidence of pits, ponds, and/or lagoons was observed on the subject property at the time of the site reconnaissance.

5.20 POTABLE WATER SUPPLY

Water is supplied to the subject property by City of Los Angeles Department of Water and Power.

5.21 SEWAGE DISPOSAL SYSTEM

The subject property is connected to the public sewage disposal system.

5.22 OTHER CONDITIONS OF CONCERN

No other conditions of environmental concern regarding potential sources for soil and groundwater contamination were observed on the subject property at the time of the site reconnaissance.

6.0 NEARBY CONTAMINATED SITES

6.1 LANDFILLS

The Solid Waste Information Systems (SWIS), EDR database report, and the Waste Management Unit Database (WMUD) were reviewed to identify landfills and transfer stations located near the property. These sources indicate that there are no landfills or transfer stations located within a 2,000-foot radius of the subject property. No active hazardous waste landfills are located within Los Angeles County.

6.2 OIL FIELD MAPS/METHANE HAZARD ZONES

The California Geologic Energy Management Division's (CalGEM) online mapping system (Well Finder) was researched to determine if oil production occurred on or near the subject property. The CalGEM Well Finder database indicates one (1) oil well is located approximately 250 feet east of the subject property. The well (API 0403705996) is an abandoned and plugged dry hole currently owned by Chevron U.S.A. Inc. It was installed and abandoned in 1960. This is not considered an environmental concern for the subject property.

The property is not located within a Methane Hazard Zone or Methane Buffer Zone as identified in Division 71 of the City of Los Angeles Building Code.

6.3 STANDARD ENVIRONMENTAL RECORD SOURCES

In addition to the above records, agency database lists were reviewed for known or suspected contaminated sites and for sites that store, generate or use hazardous materials near the subject property. The subject property address is identified on the standard environmental government sources researched in this report. The property is listed on the NPDES, CIWQS, and HWTS databases. These listings are likely associated with previous development activities that have occurred at the ROW DTLA shopping mall. They are not considered an environmental concern for the subject property.

The nearest listed contaminated site to the subject property is the Texaco Truck Stop (Former) (T0603700645) located across E 7th Street to the north. The offsite property is a closed LUST cleanup site. The site consisted of truck maintenance facilities, 10 USTs, and multiple dispensers. Between 1992 and 1997 several rounds of soil and groundwater assessments were implemented. The highest level of soil and groundwater contamination was identified on the west side of the property (approximately 430 feet northwest of the subject property) associated with several fuel USTs. Initial sampling in 1992 high concentrations of hydrocarbons and BTEX compounds. Soil samples collected in 1995 showed a significant decline in BTEX compounds with benzene at 2.6 mg/kg, toluene at 180 mg/kg, ethylbenzene at 120 mg/kg, and xylenes at 690 mg/kg. Groundwater sampling was only conducted in 1995 and detected TPHg up to 89,000 ug/L, benzene up to 9,200 ug/L, toluene up to 7,400 ug/L, ethylbenzene up to 3,200 ug/L, and xylenes up to 180,000 ug/L. This groundwater was collected from a perched aquifer at approximately 80 feet bgs. Groundwater sampling was attempted in 1996 and 1997, but groundwater was not present in any of the wells. All onsite USTs were removed from the property in 1994. The LARWQCB granted the site "case closed" status as a Low Risk Groundwater Site on March 6, 1998. A sample collected during HMC's 2013 subsurface assessment from between the north portion

of the subject property and this offsite release did not detect any VOCs in soil or soil gas. This indicates contaminated groundwater or soil from this offsite release is not impacting the subject property.

The environmental sites listed on the databases researched for this report located within a one-half mile radius of the subject property are presented in **TABLE IV**.

TABLE IV
Standard Environmental Record Sources

Database	Number of Sites		
	<1/8 Mile	1/8 – 1/4 Mile	1/4 to 1/2 Mile
Federal NPL (Superfund) site lists	0	0	0
Federal Delisted NPL Site lists	0	0	0
Federal CERCLA lists	0	0	0
Federal CERCLIS NFRAP site lists	1	0	2
Federal RCRA CORRACTS facilities lists	0	0	0
Federal RCRA TSD facilities lists	0	0	0
Federal RCRA generators lists	8	5	--
Federal institutional controls / engineering controls registries	0	0	0
Federal ERNS list	0	--	--
State- and tribal – (Superfund) equivalent site lists	0	0	0
State- and tribal – hazardous waste facility lists	2	1	9
State and tribal landfill and/or solid waste disposal facility lists	0	0	2
State and tribal leaking storage tank lists	2	3	7
State and tribal registered storage tank lists	28	59	--
State and tribal voluntary cleanup site lists	2	0	3
State and tribal Brownfields site lists	0	0	0
Local Brownfield list lists	0	1	3
Local Lists of Landfill / Solid Waste Disposal Sites	0	1	6
Local Lists of Hazardous waste / Contaminated Sites	2	4	0
Local Lists of Registered Storage Tanks	27	64	--
Local Land Records	0	0	0
Records of Emergency Release Reports	0	--	--
Other Ascertainable Records	14	19	9
EDR Exclusive Records	9	0	0
Exclusive Recovered Govt. Archives	0	--	--
	Totals		
	94	157	41

Note: A search of public information databases may omit some nearby contaminated sites due to missing or inaccurate information in the public record.

Selected environmental risk sites found to exist within one-quarter mile radius of the property are listed below:

- **SE Rykoff & Co Facility (ROW DTLA property)** – 761 Terminal Street (150 feet & west) In 1997, a wash area and fueling station consisting of three (3) fuel USTs and dispensers was removed under LAFD permit from the offsite portion of the ROW DTLA shopping mall property. Verification samples collected after the removal activities identified elevated concentrations of hydrocarbons. The area of the USTs and one dispenser were over excavated and in total 1,000 tons of soil was removed from the property as part of the remediation effort. Verification samples collected after the remedial excavation were all below the regulatory limits. However, CE was unable to locate a closure letter for the UST removal and associated remediation. In 2013, HMC collected one (1) co-located soil and soil gas sample in the vicinity of the former wash area and fueling station. The soil and soil gas samples were non-detect for hydrocarbons and VOCs. It is considered unlikely that this release has impacted the subject property.

- **So Cal Gas/LA – Alameda MGP (19490227)** – 725 Channing Street (Across Alameda St & East) This offsite property is located across S Alameda Street to the east and is a LUST cleanup site. From 1887 until 1906 an oil gas plant was operated at site. Records indicate that MGP equipment may have been removed by 1930. The site is currently used as a Greyhound Bus parking lot. Site investigations were carried out between 1986 and 2003. The main contaminants of concern (COCs) identified were PAHs and lead in shallow soil. Three phases of remediation were carried out between 2003 and 2014. Approximately 13,000 tons of contaminated soil was removed from the property. Post-removal soil verification samples indicate the removal action objectives (RAOs) had been achieved. Based on the main impacts being associated with soil and meeting the RAOs it is considered unlikely that this offsite release has impacted the subject property.

6.4 POTENTIAL VAPOR ENCROACHMENT CONDITION (p-VEC)

The State of California has adopted the Vapor Intrusion Guidance document issued by CalEPA DTSC in October 2011 and Supplemental Guidance document issued by CalEPA DTSC and California State Water Resources Control Board in February 2023. Potential sources for vapor intrusion to indoor air include degassing of solvents and other compounds from contaminated soil and contaminated groundwater. Soil gas sampling conducted by HMC in 2013 identified concentrations of PCE, benzene, and ethylbenzene in soil gas on the south portion of the subject property that exceed the relevant DTSC SLs at a residential property. This indicates vapor encroachment into future onsite structures is possible and should be further evaluated with an updated and more extensive soil gas assessment.

7.0 APPARENT PROBLEMS AND CONCERNS

- The subject property was utilized as a railway yard from at least 1896 until the mid-1970s. Throughout this time period the property was utilized for industrial operations, including a machine shop/blacksmith furnaces, oil house (which likely contained several AST/USTs), woodworking shop, and electrical construction facility. Additionally, the south portion of the subject property was developed with railroad tracks. These operations are known to be associated with several types of contaminants including hydrocarbons, VOCs, PCBs, and metals. This is considered a REC for the subject property.

- A subsurface assessment was conducted on the subject property in 2013. The assessment consisted of soil and soil gas sampling that targeted the former industrial operations associated with the railroad operations, as well as general site screening. The assessment identified concentrations of metals in soil and VOCs in soil gas that exceed the current applicable residential screening levels (SLs). These exceedances are considered a REC for the subject property.

    - North Portion of Subject Property - One (1) soil sample in the area of the former machine shop contained lead (500 mg/Kg) above the current DTSC recommended residential SL (80- mg/Kg). Additional assessment for lead in soil is required.

    - South Portion of Subject Property - Three (3) soil gas as samples contained PCE at concentrations above the current DTSC residential SL. One (1) of these soil gas samples also contained a concentration of benzene that exceeds the current DTSC residential SL. Only one (1) of the four (4) soil gas sample locations with exceedances had a co-located soil sample, which was non-detect for hydrocarbons and VOCs.

8.0 CONCLUSIONS AND RECOMMENDATIONS

California Environmental has prepared an Environmental Site Assessment - Phase I in conformance with the scope and limitations of ASTM 1527-21 for the property located at 777 S Alameda Street, Los Angeles, California. No data gaps were encountered during the preparation of this report. Review of recorded Land Title Records including environmental liens was excluded from this report. These records should be obtained and reviewed by the user.

Throughout the 1900s the subject property was utilized as a railway yard that included a variety of industrial operations. These operations are known to be associated with several types of contaminants and is considered a REC for the subject property. A 2013 subsurface assessment identified concentrations of PCE and benzene in soil gas and lead in soil that exceed current regulatory screening levels for a residential property. This is considered a REC. No evidence of historical recognized environmental conditions (HREC) or controlled recognized environmental conditions (CRECs) were identified in connection with the subject property. The previous 2013 assessment on the subject property consisted of soil gas sampling at only 5 feet bgs with sporadic co-located soil sampling and analysis. Based on the future development plan of a residential structure including one level of subterranean parking, CE recommends implementing an updated soil and soil gas assessment. Soil characterization samples should be collected from near surface to a depth of approximately 5 feet below the proposed final grade of the subterranean basement. The soil data can be utilized to develop a profile for future disposal and to determine the extent of lead above the residential screening level. Soil gas samples should be collected from approximately 5 and 15 feet below the proposed final grade of the subterranean basement to assess vapor intrusion potential for the proposed structure.

This report is subject to the following **NOTICE**:

9.0 OPINION OF ENVIRONMENTAL PROFESSIONAL

All properties are subject to some element of environmental risk and the risk cannot be eliminated. Industrial and commercial properties developed prior to modern environmental laws are especially risk prone to environmental hazards which include, but are not limited to, wastes which may be toxic, ignitable, corrosive or reactive. The potential for these environmental hazards to impact the use of the property can be reduced by the identification and mitigation of the hazards prior to development or redevelopment of the property. Due to the difficulty in locating underground wastes, in some cases it is not always possible to ascertain that hazardous wastes are present on the property prior to development.

A Phase I environmental site assessment does not utilize subsurface exploration to check for the presence of hazardous wastes on the property. The experience of the assessor, along with the research of available reports, aerial photographs and land use records are used to evaluate the potential for hazardous wastes to occur on the site. Based on the information gained from the historical research, subsurface exploration may be recommended to check for the presence of hazardous wastes. Preexisting environmental problems such as the presence of hazardous wastes in the soil or groundwater, can be concealed by grading activities and site improvements. If such wastes are present these wastes cannot be observed.

The undersigned, Charles I. Buckley declares that, to the best of my professional knowledge and belief, I meet the definition of Environmental Professional as defined in Section 312.10 of 40 CFR 312 and have developed and performed the all-appropriate inquiries in conformance with the standards and practices set forth in 40 CFR Part 312. I have the specific education, training, and experience necessary to exercise professional judgment to develop opinions and conclusions regarding conditions indicative of releases or threatened releases on, at, in, or to a property, sufficient to meet the objectives and performance factors in §312.20.

This report was prepared with the skill and competence as commonly used by environmental professionals in this area. No warranty, expressed or implied, of any kind is made or intended in connection with this report, or by the fact you are being furnished this report, or by any other oral or written statement.

Should you have any questions or desire any additional information, please contact the undersigned.

Respectfully submitted,







Charles I. Buckley
Professional Geologist No. 4035
Certified Engineering Geologist No. 1250
Certified Hydrogeologist No. 55

Eric Koons
Staff Environmental Scientist

10.0 REFERENCES AND QUALIFICATIONS

1. ASTM International, Designation: E1527-21, *Standard Practice for Environmental Site Assessment: Phase I Environmental Site Assessment Process*, 2021.

2. ASTM International, Designation: E2600-10, *Standard Practice for Assessment of Vapor Encroachment into Structures on Property Involved in Real Estate Transactions*, 2010.

3. DTSC, Preliminary Endangerment Assessment Guidance Manual, January 1994 Revised October 2015.

4. City of Los Angeles Fire Department, *File Review*, April 2023.

5. SCAQMD, *File Review*, April 2023.

6. RWQCB, *File Review*, April 2023.

7. DTSC, *File Review*, April 2023.

8. EDR Aerial Photo Decade Package, *Inquiry No. 7277931.9*, March 2023.

9. EDR Historical Topographic Map Report, *Inquiry No. 7277931.4*, March 2023.

10. EDR-Radius Map with Geocheck, *Inquiry No. 7277931.2s*, March 2023.

11. EDR-City Directory, *Inquiry No. 7277931.5*, March 2023.

12. Certified Sanborn® Map Report, *Inquiry No. 7277931.3*, March 2023.

13. California Geologic Energy Management Division (CalGEM), *Well Finder Database, 2023.*

14. USGS 7.5-minute Topographic Map, *Los Angeles Quadrangle*, 2018.

15. Mclaren Hart (MH) – *Phase I Environmental Site Assessment, Rykoff Terminal & Warehouses, 709-761 Terminal Street & 1388 East 7th Street, Los Angeles, California 90021*, dated May 1, 1997.

16. AEI Consultants (AEI), *Phase I Environmental Site Assessment, 761 Terminal Street, Los Angeles, California 90021*, dated June 25, 2004.

17. Hazardous Management Consulting (HMC), *Phase I Environmental Site Assessment, Alameda Square, Los Angeles, California*, dated February 6, 2013.

18. HMC, *Results of Soil and Soil Gas Sampling, 777 South Alameda Street, Los Angeles, California*, dated February 14, 2013.

19. HMC, *Results of Additional Soil and Soil Gas Sampling, 777 South Alameda Street, Los Angeles, California*, dated May 8, 2013.

20. CBRE, *Phase I Environmental Site Assessment, LA Industrial Portfolio, 747-787 S. Alameda Street, 746 S Central Avenue, 1318-1320 E. 7th Street, 1215 E 7th Street, Los Angeles, California*, 90021, dated April 5, 2017.

21. HVN Environmental Services Co, *Underground Tank Closure and Soil Remediation Report at SE Rykoff & Co Facility at 761 Terminal Street, Los Angeles, CA 90021*, dated April 24, 1997.

22. LARWQCB, *Underground Storage Tank Case Review Form, Texaco Truck Stop, 1345 East 7th Street, Los Angeles, CA*, March 2, 1998.

23. Parsons, *Site Closure Report For The Former Alameda Street Manufactured Gas Plant Site in Los Angeles, CA,* May 2008.

CHARLES I. BUCKLEY, JR.
30423 Canwood Street, Suite 208
Agoura Hills, California 91301

EDUCATION:

- **Masters** Work in Hydrogeology
  California State University, Los Angeles, 1980-1988
- **Bachelor of Science**, Engineering Geology
  University of California, Los Angeles, 1978

REGISTRATIONS AND APPOINTMENTS:

- State Mining and Geology Board, State of California, Dept. of Conservation, Former Member, (Appointed by Gov. Pete Wilson and State Senate confirmed to 4 year term, 1997-2001)
- State of California, Certified Hydrogeologist, No. 55
- State of California, Professional Geologist No. 4035
- State of California, Certified Engineering Geologist No. 1250
- CA Contractors State License Board #732377A-Haz

PROFESSIONAL EXPERIENCE:

Jan 88-Present CALIFORNIA ENVIRONMENTAL
CEO - Principal Hydrogeologist

- Founded California Environmental in January of 1988. Clients include Fortune 500 Corporations, County Government, Municipal Agencies, Financial Institutions, Land Developers, and Consultants. Principal Investigator for groundwater supply and groundwater contamination investigations. Project leader for groundwater remediation at a State of California Superfund Sites. Principal hydrogeologist for design and implementation of a groundwater-monitoring network for an existing Sanitary Landfill. Lead investigator to delineate structure of a California Groundwater Basin; Pioneered use of a cost effective soil/gas vapor technique used to track groundwater plumes. Conducted over 3,400 Phase I Environmental Investigations in California. These investigations included the use and interpretation of historic topographic maps, Sanborn Insurance Maps, aerial photography, and other historic data sources. Successfully completed remedial clean-up on 500+ sites in southern California; including impacts associated with fuels, PCBs, metals, asbestos and chlorinated solvents. Expert consultant for environmental impairment of soil and groundwater: Expert for the Port of Los Angeles, L.A. County Counsel, L.A. City Recreation and Parks and private attorneys.

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PROFESSIONAL EXPERIENCE: (continued)

Mar 84-Dec 87 KOVACS-BYER AND ASSOCIATES
Manager Environmental Services Group

- Spearheaded the development into the groundwater and environmental segments of consulting market. Ascended from project geologist status to manager of Environmental Services Group. Responsible for all aspects of project management including; organization and staffing, developing technical requirements needed to complete projects, client and agency liaison.

- Provided technical leadership for groundwater testing including design and analysis of aquifer pump tests. Lead Geotechnical Investigator for remedial repair of complex landslide terrains. Prepared Seismic Analysis for critical facilities. Recommended specialized drainage systems for abatement of groundwater problems. Project Consultant for award winning projects on which severe geotechnical problems were overcome.

Mar 80-Mar 84 GEOTECHNICAL SERVICES GROUP
BUREAU OF ENGINEERING
CITY OF LOS ANGELES
Assistant Engineering Geologist

- Performed geologic mapping in hillside areas of the City of Los Angeles. Reviewed Geotechnical Reports submitted to the City of Los Angeles for private development. Directed landslide investigations. Prepared Expert Opinion documents regarding groundwater and geologic issues for the City Engineer and City Attorney. Conducted field monitoring of known landslides within the City of Los Angeles.

Aug 79-Mar 80 UNITED STATES GEOLOGICAL SURVEY
Field Assistant

- Assisted in geological mapping for a uranium resource development project sponsored by the Department of Energy and the United States Geological Survey.

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CONTINUING EDUCATION:

- "Advanced Data Analysis Techniques for Evaluating and Quantifying Natural Attenuation for Remediation of Contaminated Sites", NGWA Short Course, March 2007.
- "Technical Guidance for Indoor Air Vapor Intrusion", Severn Trent Laboratory, San Pedro, CA, 1/2005.
- "Low Cost Remediation Techniques", AGSE, San Francisco, CA 2002.
- "Remediation of MtBE", AGSE, Anaheim, CA 2002.
- "Assessment and Management of MtBE Impacted Sites", San Francisco, January 1999.
- "Workshop on MtBE Water Issues", Los Angeles, June 1997.
- "Management Action Programs Seminar", Newport Beach, November 1996.
- "ACWA - Groundwater Workshop", Monterey, June 1995.
- "SeSoil Modeling Workshop" GSC, San Francisco, CA, October 1994
- "Groundwater Monitoring and Remediation", Short Course AEG, October 1992
- "Microbial Processes in Biodegradation", AGSE, Albuquerque NM, February, 1991
- "Introduction to Groundwater Geochemistry", National Water Well Association, San Francisco, CA 1988
- "Fate and Transport of Contaminants in the Subsurface", United States Environmental Protection Agency, San Francisco, CA, December, 1987.
- "How to Monitor and Sample the Vadose Zone "National Water Well Association, San Diego, CA, 1988.
- "Treatment Technology for Contaminated Groundwater" UCLA Fall, 1986.
- "Groundwater Contamination Detection, Monitoring and Cleanup", UCLA, April, 1986.
- "Introduction to Groundwater Modeling", National Water Well Association, Fullerton, CA 1985.

ORAL PRESENTATIONS AND SEMINARS:

- "Environmental Geology and Hydrogeology", Guest Undergraduate Course Lecturer, UCLA Department of Geology, ESS Class 139, Spring 2017.
- "Environmental Issues and Careers", Guest Lecturer, USC Department of Geology, Spring 1992.
- "Overview of Environmental Regulations, State and Federal Laws" Guest Lecturer, University of Southern California, 1991.
- "Environmental Risks and Underground Tank Leaks, Commercial Property Inspection" California Real Estate Inspectors Association, California, May, 1988/2015
- "Modified Technique for Soil/Gas Surveys to Detect Groundwater Contamination". Association of Engineering Geologists, Southern California Section meeting. December, 1987.

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ORAL PRESENTATIONS AND SEMINARS (Continued):

- "Historic Aerial Photographic Evidence of Landslide Development, Potrero Canyon, CA." Association of Engineering Geologists Annual Meeting, San Francisco, CA., October, 1986.

PROFESSIONAL PAPERS:

- "Geology, Landslides and Slope Stabilization, Potrero Canyon Park, Pacific Palisades, CA."
- Association of Engineering Geologists Guidebook, June 20, 1987.
- "Red Rose Landslide Stabilization, 3358-3400 Red Rose Drive, CA., with Hollingsworth, R.A.; Association of Engineering Geologists Guidebook. June 20, 1987.
- "Residential Development and Landsliding, Castellammare Mesa area, Los Angeles, CA."
- Association of Engineering Geologists Guidebook June 2, 1984.

AFFILIATIONS:

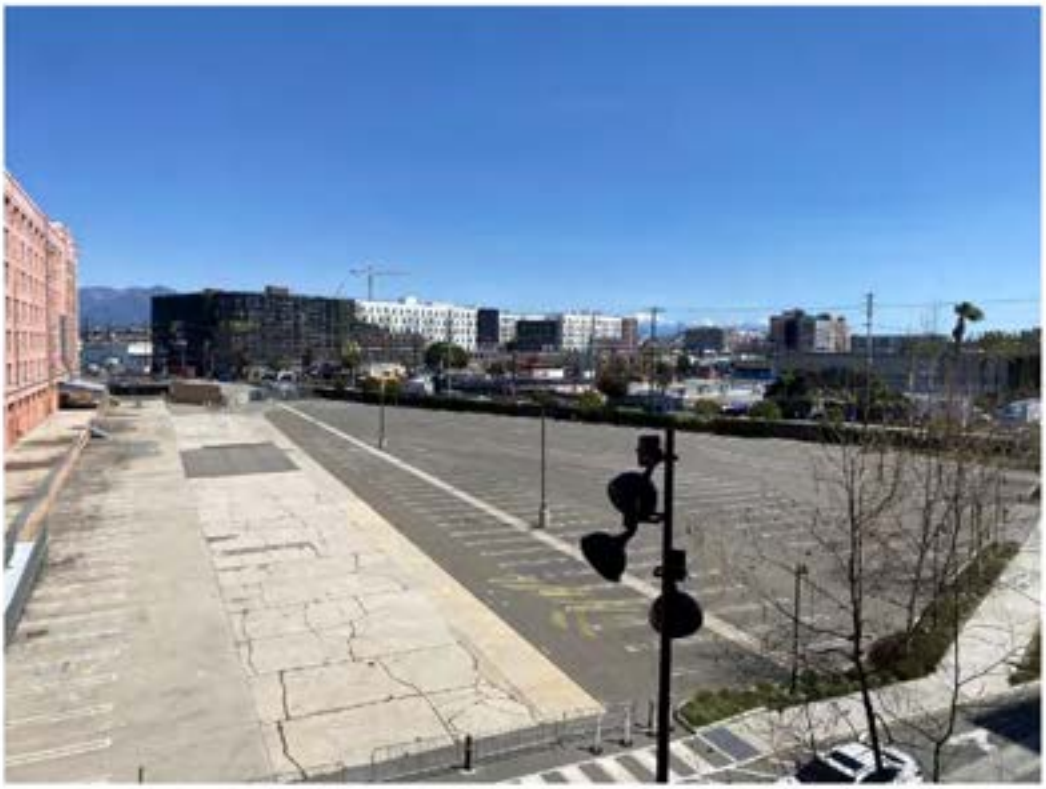
- Association of Engineering Geologists.
- Association of Groundwater Scientists and Engineers.
- California Groundwater Association.
- Hazardous Waste Association of California.
- Hydrology Section-American Geophysical Union.
- National Water Well Association

ILLUSTRATIONS

Site Photographs – Plates 1-3
Figure 1 - Vicinity Map
Figure 2 - Plot Plan



View of the south parking lot looking to the south.
777 S Alameda St, Los Angeles, California 90021



View of the north parking lot looking to the north.
777 S Alameda St, Los Angeles, California 90021

PLATE 1



View of the driveway bisecting the subject property entering from S Alameda St.
777 S Alameda St, Los Angeles, California 90021



View of the south parking lot looking to the north.
777 S Alameda St, Los Angeles, California 90021

PLATE 2

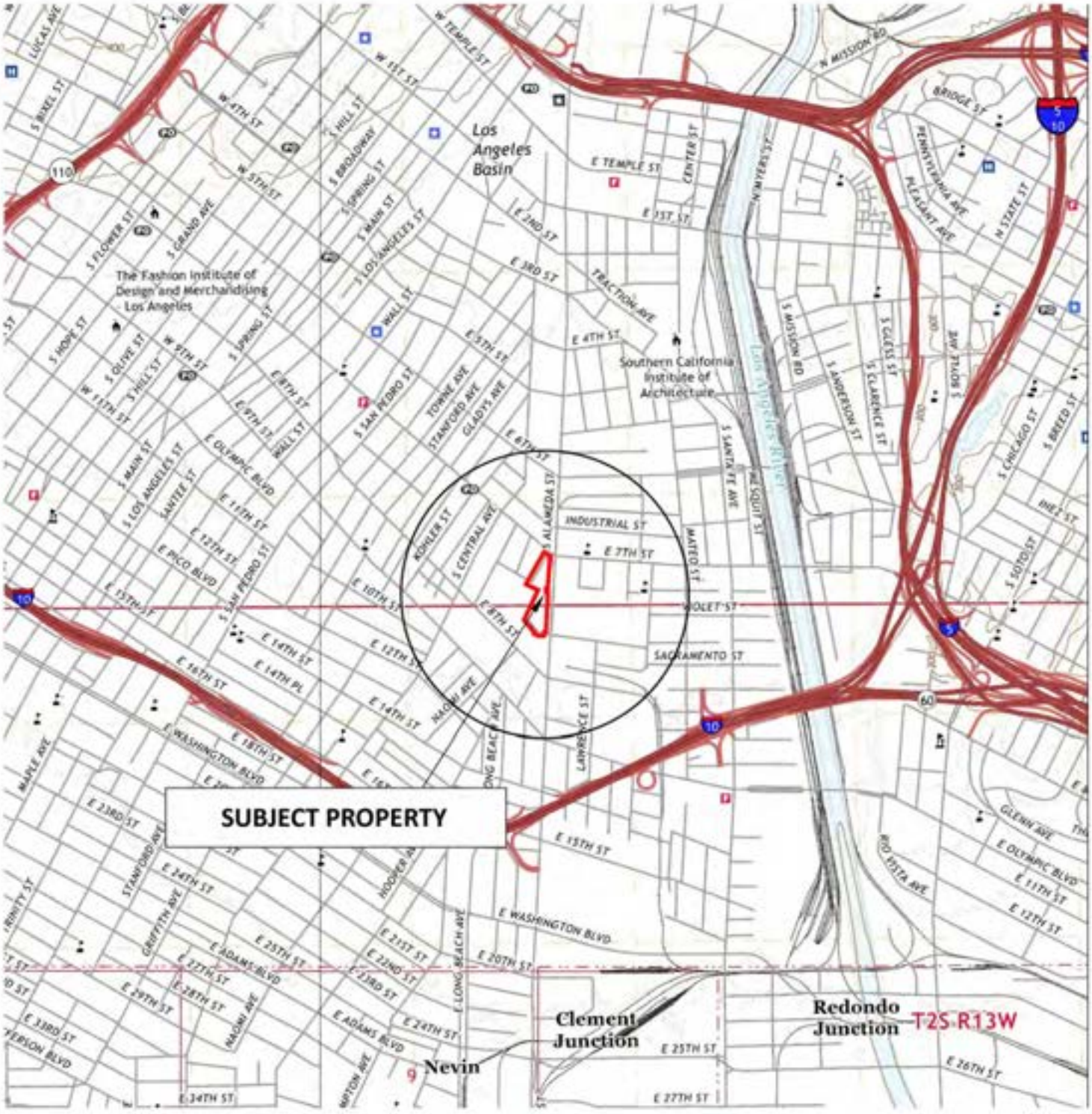


View of the north parking lot looking to the north.
777 S Alameda St, Los Angeles, California 90021



View of the transformer station on the north corner of the subject property.
777 S Alameda St, Los Angeles, California 90021

PLATE 3



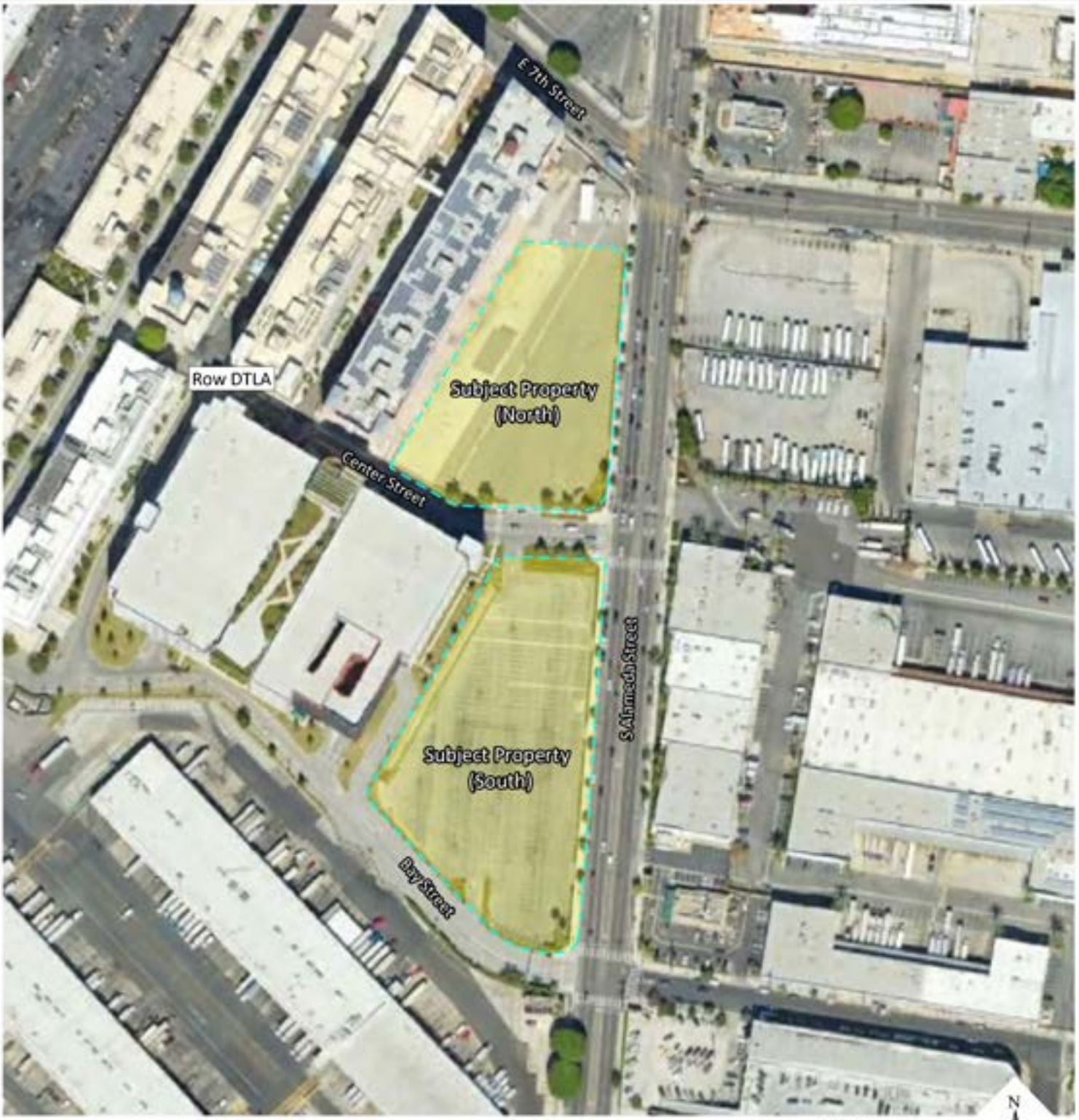
References: USGS 7.5' Los Angeles Topographic Quadrangle, 2018.

FIGURE 1 - VICINITY MAP
777 S Alameda Street
Los Angeles, California

Drawn By: ESK	Job # EV0423-3666
Checked By: CIB	Date: May 2023

California Environmental

3666 Vicinity Map



References: Google Earth

FIGURE 2 - PLOT PLAN
777 S Alameda Stret
Los Angeles, California

Drawn By: ESK	Job # EV0423-3666
Checked By: CIB	Date: May 2023

California Environmental

3666 Plot Plan

APPENDIX I

Environmental Field Reconnaissance Checklist and Owner Questionnaire

ENVIRONMENTAL FIELD
RECONNAISSANCE CHECKLIST (PART A)

Completed By: Eric Koons Title: Env. Scientist

Property Address: 777 Alameda Street, Los Angeles Date: 4/4/23

USES OF THE PROPERTY	
1. Name of present occupants of the property (include business names and addresses or unit numbers):	Unoccupied parking lot for the Row DTLA
2. Describe the present use(s) of the property:	Surface Parking Lot
3. Describe the present of adjacent properties:	West = The Row DTLA shopping center; North = 7th Street with industrial beyond; West = Alameda Street with industrial beyond; South = Bay Street with the Los Angeles Wholesale Produce Market beyond
4. Is the property used for an industrial use?	No
5. Is any adjoining property used for an industrial use?	No
6. Is the property used as a gasoline station, auto repair facility, commercial printing facility, dry cleaners, photo developing laboratory, or junkyard? If so, identify which and give the name of the business(es):	No
7. Is the property used as a landfill or a waste treatment, storage, processing, recycling, or disposal facility?	No
8. Is any adjoining property used as a gasoline station, auto repair facility, commercial printing facility, dry cleaners, photo developing laboratory, or junkyard? If so, identify which and give the name of the business(es):	No
9. Is any adjoining property used as a landfill or a waste treatment, storage, processing, recycling, or disposal facility?	No
10. Is the property used for agricultural purposes?	No
PROPERTY CONDITIONS	
11. Are there or have there been any damaged or discarded industrial or automotive batteries on the property?	No
12. Are there currently any solvents, paints, fuels, pesticides, herbicides, or other chemicals, in individual containers larger than 5 gallons or totaling more than 50 gallons, used on or stored at the property?	No
13. Are there currently any industrial drums (typically 55 gallons) or sacks of chemicals located on the property?	No
14. Is there any visible evidence fill dirt has been brought onto the property from a contaminated site?	No
15. Is there any visible evidence fill dirt has been brought onto the property from an unknown site?	No
16. Are there any waste treatment or waste disposal ponds, pits or lagoons on the property?	No

17. Is there any stained soil, or soil emitting unusual odors, on the property?	No
18. Are there any flooring, drains, or walls in the facility that are stained by substances other than water or have emitted unusual odors?	No
19. Is there heating and cooling equipment onsite?	No
20. What is the fuel source for any onsite heating and cooling equipment?	N/A
21. Is there any visible evidence of storage tanks (underground or aboveground) at the property?	No
22. Are there currently or have there been any vent pipes, fill pipes, fill ports, or surface covers indicating possible fill ports on the property or adjacent to any building located on the property?	No
23. Is there visible evidence of geotechnical and/or environmental subsurface assessments such as patched borings or groundwater monitoring well covers?	Yes, several borings on both the north and south parking lot that look relatively new.
24. Are there any oil wells, drilling sumps, mud pits, or oil pipelines on or adjacent to the property?	No
25. Are there any pipelines on, beneath, or adjacent to the property, other than water, sewer, and natural gas utilities serving the property?	No
26. Is the property known to be located in a methane hazard area due to oil fields, natural seepage, or landfill gas?	No
27. Does the property or any facility at the property produce wastewater other than domestic sewage and storm water runoff?	No
28. Are there any waste water treatment systems (clarifiers, oil/water separators, grease traps, filtration systems, etc.) at the property?	No
29. How is waste water from the property disposed of? Sanitary sewer. Septic system. Surface water. Pond, pit, sump, or well. Other (describe).	Sewer
30. Does the property or any facility at the property produce solid waste other than domestic trash and greenwaste?	No
31. How is solid waste from the property disposed of? Municipal or private trash service. Recycling. Onsite dumping or burial. Other (describe).	N/A
32. How is solid waste stored at the property?	N/A
33. Does the property or any facility at the property generate hazardous or special waste in the course of normal operation? Examples include spent solvents, photo processing waste, waste oil, used filters, etc. Provide copies of generator notification or waste manifests.	No

34. If hazardous or special wastes are generated at the property, how are they stored?	N/A
35. Are pesticides or herbicides stored, mixed, or disposed of on the property?	No
36. Are there any transformers, capacitors, or hydraulic equipment on the property that are known or suspected of containing PCBs?	No, Transformers are new and not expected to contain PCBs
37. Are there any building materials on the property known or suspected to contain asbestos? Please describe:	N/A
ENVIRONMENTAL COMPLIANCE	
38. Does the property or any occupant of or facility on the property have any licenses, permits, registrations, or notifications for tanks, pipelines, industrial waste, wastewater treatment, wastewater discharge, stormwater discharge, waste disposal, waste storage or treatment, air emissions, chemical use, or chemical storage?	No
39. Is there visible evidence of any spills, leaks, or other releases or threatened releases of any hazardous substances or petroleum products from the property to soil, groundwater, or surface water?	No
40. Is there visible evidence of any release or threatened release of any hazardous substances or petroleum products from another location to soil, groundwater, or surface water at the property?	No
41. Is there visible evidence of the current or past existence of environmental violations on the property or in any facility located on the property?	No
42. Does the property discharge waste water, other than storm water runoff, into a storm drain or onto adjacent properties or streets?	No
43. Does the property discharge waste water, other than storm water, into a sanitary sewer system?	No
44. Is there visible evidence that hazardous substances, petroleum products, unidentified waste materials, tires, batteries, or any other waste materials have been dumped, buried, or burned on the property?	No

CALIFORNIA ENVIRONMENTAL
ENVIRONMENTAL FIELD INTERVIEW QUESTIONNAIRE (PART B)

Completed By: Jenni Harris Title: Senior Director - Real Estate Operations

Property Relation: Phone: 213-988-8890

Property Address: 1318 E. 7th Street, Los Angeles, CA 90021

APN(s): 5146-009-004, 5146-009-005

Current Property Owner: Alameda Square Owner LLC Site Name: ROW DTLA

Present Property Use: (Check all that apply) ☐ Residential ■ Commercial ☐ Industrial ☐ Agricultural ☐ Government ☐ Undeveloped ☐ Other:

# of Buildings: 7 Date(s) Built: 1917-1923 / 2015 # of Units: 182 Total sq. ft. 1,504,865

Utility Provider: Water: LA DWP Gas: SoCal Gas Electric: LA DWP

Occupants and General Business Type (Include Unit Numbers): Office, retail, restaurant

Past Owners and Dates of Ownership: EVOQ Properties, Inc., Alameda Produce Market, LLC, Meruelo Maddc

Past Uses of the Property: Light industrial, manufacturing

Adjacent Property Use (Include General Business Type and Names):
North: Metro service yard, housing/hotel
East: Commercial, Industrial, wholesale produce distribution
South: Wholesale produce market
West: Commercial, wholesale candy and spice sales

California Environmental (CE) is asking if any of the following helpful documents exist.
If so, CE requests copies of such documents be emailed to ceworks@calenviro.com.

DOCUMENT	YES	NO	UNK	COMMENTS
Environmental Site Assessment Reports	☑	☐	☐	
Environmental Compliance Audit Reports	☐	☐	☑	
Environmental Permits	☑	☐	☐	
Registrations for underground or aboveground storage tanks	☑	☐	☐	
Registrations for underground injection systems	☐	☐	☑	
Material Safety Data Sheets (MSDS)	☑	☐	☐	
Community Right-to-Know Plan	☐	☐	☑	
Safety Plans	☑	☐	☐	
Hydrogeologic Reports	☐	☐	☑	
Hazardous Waste Generator Notices, Reports, or Manifests	☑	☐	☐	

Environmental Notices or Violations from a Government Agency	☐	☐	☑	
Geotechnical Studies	☑	☐	☐	
Risk Assessments	☐	☐	☑	
Recorded Activity Use Limitations (AULs), Deed Restrictions, or Environmental Liens	☐	☐	☑	
Asbestos, Lead, or Radon Studies	☑	☐	☐	

USES OF THE PROPERTY

Please indicate if any of the following are currently, or have been in the past, located on the subject property or adjacent properties.

	YES	NO	UNK	ADJ		YES	NO	UNK	ADJ
Hazardous Materials	☑	☑	☐	☐	Underground Storage Tank(s)	☑	☐	☐	☐
Hazardous Waste	☐	☑	☐	☐	Aboveground Storage Tank(s)	☐	☐	☑	☐
Dry-Cleaning Equipment	☐	☐	☑	☐	Vent Pipes, Fill Pipes, or Fill Ports	☐	☐	☑	☐
Photo Developing and/or Printing Equipment	☐	☐	☑	☐	Back-up Generator(s)	☑	☐	☐	☐
Junkyard, Recycling, or Processing Center	☐	☑	☐	☐	Industrial or Automotive Batteries	☐	☐	☑	☐
Landfill	☐	☑	☐	☐	Septic Systems	☐	☑	☐	☐
Industrial Drums	☐	☐	☑	☐	Wells (Groundwater, Oil, or Gas)	☑	☐	☐	☐
Wastewater or Wastewater Treatment Systems	☐	☑	☐	☐	Drain(s)	☑	☐	☐	☐
Pits, Ponds, or Lagoons	☐	☑	☐	☐	Sump(s)	☑	☐	☐	☐
Stressed Vegetation	☐	☐	☑	☐	Clarifier(s)	☑	☐	☐	☐
Odors	☐	☐	☑	☐	Electrical and/or Hydraulic Equipment with PCBs	☑	☐	☐	☐
Stained Soil or Surfaces	☐	☐	☑	☐	Fill Material	☐	☐	☑	☐

If you answered 'Yes' to any of the items above, please explain:

ACM remediated throughout buildings M1, M2, B1, B2 and B3. Three USTs were removed from the property in 1997.

PROPERTY CONDITIONS	
Is there currently, or has there been, any solvents, paints, fuels, pesticides, herbicides, or other chemicals in individual containers larger than 5 gallons or totaling more than 50 gallons, used on or stored at the property?	Not sure
What is the current topography (level, sloped, uneven, hills, valleys, etc.) of the property?	Level
Do you have any knowledge that fill dirt has been brought onto the property from a contaminated site?	No
Do you have any knowledge that fill dirt has been brought onto the property from an unknown site?	No
Is there any stained soil, or soil emitting unusual odors, on the property?	No
Is there any flooring, drains, or walls in the facility that are stained by substances other than water or have emitted unusual odors?	No
Is there heating and cooling equipment onsite?	Yes
What is the fuel source for any onsite heating and cooling equipment?	Electric/Gas
Are there currently or have there been any oil wells, drilling sumps, mud pits, or oil pipelines on or adjacent to the property?	Not that I am aware of
Are there currently or have there been any pipelines on, beneath, or adjacent to the property, other than water, sewer, and natural gas utilities serving the property?	Not that I am aware of
Is the property known to be located in a methane hazard area due to oil fields, natural seepage, or landfill gas?	Not sure
How is wastewater from the property disposed of (sanitary sewer, septic system, surface water, pond, pit, sump, etc.)?	sanitary sewer
Does the property or any facility at the property produce solid waste other than domestic trash and greenwaste?	No
How is solid waste from the property disposed (municipal or private trash service, recycling, onsite dumping, burial, etc.)? Please list the service company.	NASA Trash & Recycling
How is solid waste stored at the property?	Trash bins or compactor
Does the property or any facility at the property generate hazardous or special waste in the course of normal operation?	No
Has the property or any facility at the property generated hazardous or special waste due to occasional or one-time events such as asbestos abatement, soil or groundwater cleanup, or accidental events such as spills?	Yes
If hazardous or special wastes are generated at the property, how are they stored?	No hazardous waste stored onsite
Have pesticides or herbicides been stored, mixed, or disposed of on the property?	No
Are there any building materials on the property known or suspected to contain asbestos?	No
Have any asbestos surveys been performed at the property?	Yes
Have any asbestos removal or other abatement projects taken place at the property?	Yes
Is there any known or suspected lead-based paint in buildings located at the property?	Yes

ENVIRONMENTAL COMPLIANCE	
Has the property ever been the subject of an environmental site assessment or environmental audit, with respect to soil, groundwater, surface water, air, or site facilities and processes?	Yes
Has any environmental site assessment of the property indicated the presence of hazardous substances or petroleum products on, or contamination of, the property or recommended further assessment of the property? Please describe the manner in which any recognized environmental conditions have been addressed.	Phase 1 and Phase 2 reports have indicated some presence, but no further action was required.
Does the property or any occupant of or facility on the property have any licenses, permits, registrations, or notifications for tanks, pipelines, industrial waste, wastewater treatment, wastewater discharge, stormwater discharge, waste disposal, waste storage or treatment, air emissions, chemical use, or chemical storage?	Yes
Have you been informed of the current or past existence of hazardous substances or petroleum products on the property or in any facility located on the property?	No
Do you have knowledge of any spills, leaks, or other releases or threatened releases of any hazardous substances or petroleum products from the property to soil, groundwater, or surface water?	No
Do you have knowledge of any release or threatened release of any hazardous substances or petroleum products from another location to soil, groundwater, or surface water at the property?	No
Have you been informed of the current or past existence of environmental violations on the property or in any facility located on the property?	No
Do you have any knowledge of environmental liens or governmental notifications relating to violations of environmental laws with respect to the property or any facility located on the property?	No
Do you have knowledge of any past, threatened, or pending lawsuits, enforcement actions, or administrative proceedings concerning the property?	No
If the property is served by a private well or a non-public water system, do you have any knowledge that contaminants exceeding applicable guidelines have been identified in the well or water system, or has the well or system been designated as contaminated by any governmental agency?	No
Does the property discharge waste water, other than storm water runoff, into a storm drain or onto adjacent properties or streets?	No
Does the property discharge waste water, other than storm water, into a sanitary sewer system?	Yes
Do you have any knowledge that hazardous substances, petroleum products, unidentified waste materials, tires, batteries, or any other waste materials have been dumped, buried, or burned on the property?	No

ADDITIONAL COMMENTS

Please provide any additional comments regarding the subject property:

Signature Jenni Harris Digitally signed by Jenni Harris Date: 2023.04.12 07:46:39 -07'00' Date 4/12/2023

APPENDIX II

EDR City Directory, Aerial Photographs, Sanborn Maps, and Topographic Maps

3666
777 S Alameda Street
Los Angeles, CA 90021

Inquiry Number: 7277931.5
March 14, 2023

The EDR-City Directory Abstract

EDR® Environmental Data Resources Inc

6 Armstrong Road
Shelton, CT 06484
800.352.0050
www.edrnet.com

TABLE OF CONTENTS

SECTION

Executive Summary

Findings

City Directory Images

Thank you for your business.
Please contact EDR at 1-800-352-0050
with any questions or comments.

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EXECUTIVE SUMMARY

DESCRIPTION

Environmental Data Resources, Inc.'s (EDR) City Directory Abstract is a screening tool designed to assist environmental professionals in evaluating potential liability on a target property resulting from past activities. EDR's City Directory Abstract includes a search and abstract of available city directory data. For each address, the directory lists the name of the corresponding occupant at approximately five year intervals.

Business directories including city, cross reference and telephone directories were reviewed, if available, at approximately five year intervals for the years spanning 1920 through current. This report compiles information gathered in this review by geocoding the latitude and longitude of properties identified and gathering information about properties within 332 feet of the target property.

Summary information obtained is provided in the text of this report.

RECORD SOURCES

The EDR City Directory Report accesses a variety of business directory sources, including Haines, InfoUSA, Polk, Cole, Bresser, and Stewart. Listings marked as EDR Digital Archive access Cole and InfoUSA records. The various directory sources enhance and complement each other to provide a more thorough and accurate report.

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RESEARCH SUMMARY

The following research sources were consulted in the preparation of this report. An "X" indicates where information was identified in the source and provided in this report.

Year	Source	TP	Adjoining	Text Abstract	Source Image
2020	EDR Digital Archive	X	X	X	-
2017	Cole Information	-	-	-	-
2014	Cole Information	X	X	X	-
2010	Cole Information	-	X	X	-
2006	Haines Company, Inc	-	X	X	-
2005	Cole Information	-	X	X	-
2004	Haines Company	-	-	-	-
2003	Haines & Company	-	-	-	-
2001	HAINES & COMPANY INC.	-	-	-	-
2000	Haines & Company	-	X	X	-
1999	Haines & Company	-	-	-	-
1996	Pacific Bell	-	-	-	-
1995	Cole Information	-	X	X	-
1992	Cole Information	-	X	X	-
1991	Pacific Telephone	-	-	-	-
1990	Pacific Bell	-	X	X	-

EXECUTIVE SUMMARY

Year	Source	TP	Adjoining	Text Abstract	Source Image
1986	Pacific Bell	-	X	X	-
1985	Pacific Bell	-	X	X	-
1981	Pacific Telephone	-	X	X	-
1980	Pacific Telephone	-	X	X	-
1976	Pacific Telephone	-	X	X	-
1975	Pacific Telephone	-	X	X	-
1972	R. L. Polk & Co.	-	-	-	-
1971	Pacific Telephone	-	X	X	-
1970	Pacific Telephone	-	X	X	-
1969	R. L. Polk & Co.	-	-	-	-
1967	Pacific Telephone	-	X	X	-
1966	THE FACIFIC TELEPHONE AND TELEGRAPH COMPNAY	-	-	-	-
1965	Pacific Telephone	-	X	X	-
1964	Pacific Telephone	-	X	X	-
1963	Pacific Telephone	-	-	-	-
1962	Pacific Telephone	-	X	X	-
1961	R. L. Polk & Co.	-	-	-	-
1960	Pacific Telephone	-	X	X	-
1958	Pacific Telephone	-	X	X	-
1957	Pacific Telephone	-	-	-	-
1956	Pacific Telephone	-	-	-	-
1955	The Pacific Telephone & Telegraph Co.	-	-	-	-
1954	R. L. Polk & Co.	-	X	X	-
1952	Los Angeles Directory Co.	-	-	-	-
1951	Los Angeles Directory Co.	-	-	-	-
1950	Pacific Telephone	-	X	X	-
1949	Los Angeles Directory Co.	-	-	-	-
1948	Los Angeles Directory Co.	-	-	-	-
1947	Los Angeles Directory Co.	-	-	-	-
1946	Southern California Telephone Co	-	-	-	-
1945	R. L. Polk & Co.	-	-	-	-
1944	R. L. Polk & Co.	-	-	-	-
1942	Los Angeles Directory Co.	-	X	X	-
1940	Southern California Telephone Co.	-	-	-	-
1939	Los Angeles Directory Co.	-	-	-	-

EXECUTIVE SUMMARY

Year	Source	TP	Adjoining	Text Abstract	Source Image
1938	Pacific Telephone	-	-	-	-
1937	Los Angeles Directory Co.	-	X	X	-
1936	R. L. Polk & Co.	-	-	-	-
1935	R. L. Polk & Co.	-	-	-	-
1934	Los Angeles Directory Co.	-	-	-	-
1933	Los Angeles Directory Co.	-	X	X	-
1932	Los Angeles Directory Co.	-	-	-	-
1931	Los Angeles Directory Co.	-	-	-	-
1930	R. L. Polk & Co.	-	-	-	-
1929	Los Angeles Directory Co.	-	X	X	-
1928	Los Angeles Directory Co.	-	-	-	-
1927	Los Angeles Directory Co.	-	-	-	-
1926	Los Angeles Directory Co.	-	-	-	-
1925	R. L. Polk & Co.	-	-	-	-
1924	Los Angeles Directory Co.	-	X	X	-
1923	Los Angeles Directory Co.	-	-	-	-
1921	Los Angeles Directory Co.	-	-	-	-
1920	Pacific Telephone	-	-	-	-

EXECUTIVE SUMMARY

SELECTED ADDRESSES

The following addresses were selected by the client, for EDR to research. An "X" indicates where information was identified.

Address	*Type*	*Findings*
747 S Alameda Street	Client Entered	
757 S. Alameda Street	Client Entered	
767 S. Alameda Street	Client Entered	
787 S Alameda Street	Client Entered	
701 Warehouse Street	Client Entered	
747 Warehouse Street	Client Entered	
700 Warehouse Street	Client Entered	
760 Warehouse Street	Client Entered	
1390 7th Street	Client Entered	
1396 7th Street	Client Entered	

FINDINGS

TARGET PROPERTY INFORMATION

ADDRESS

777 S Alameda Street
Los Angeles, CA 90021

FINDINGS DETAIL

Target Property research detail.

7th Street

1390 7th Street

Year	Uses	Source

1396 7th Street

Year	Uses	Source

S ALAMEDA ST

777 S ALAMEDA ST

Year	Uses	Source
2020	7 FOR ALL MANKIND LLC	EDR Digital Archive
	A+R STORE	EDR Digital Archive
	ALAMEDA SQUARE OWNER LLC	EDR Digital Archive
	AURAGAMI	EDR Digital Archive
	BOTANICAL REPUBLIC LLC	EDR Digital Archive
	CAFE DULCE	EDR Digital Archive
	DESFIOS INC	EDR Digital Archive
	DGTL CONSULTING GROUP INC	EDR Digital Archive
	DYSON & WOMACK	EDR Digital Archive
	GDL CREATIVE	EDR Digital Archive
	GREENLIFE CACTUS INC	EDR Digital Archive
	IMFARK	EDR Digital Archive
	LIQUI	EDR Digital Archive
	LUCKY SCENT INC	EDR Digital Archive

FINDINGS

Year	Uses	Source
2020	LUCKY SOUL USA LLC	EDR Digital Archive
	M GEORGINA	EDR Digital Archive
	MOLCAJETE DOMINGUERO LLC	EDR Digital Archive
	MONARCA FARMS CO	EDR Digital Archive
	NEO DEN1M LLC	EDR Digital Archive
	NERDZY LLC	EDR Digital Archive
	NOV25TH	EDR Digital Archive
	PAINTED BRAIN	EDR Digital Archive
	PEER MENTAL HEALTH	EDR Digital Archive
	REGUS	EDR Digital Archive
	ROW DTLA ATHLETIC CLUB	EDR Digital Archive
	SHADOWBOX D T L A LLC	EDR Digital Archive
	SMORGASBURG	EDR Digital Archive
	SPLENDID & ELLA MOSS	EDR Digital Archive
	STARK FIRM PLLC	EDR Digital Archive
	ZAZZ WHOLESALE GROUP	EDR Digital Archive
2014	ALAMEDA SQUARE LLC	Cole Information

787 S ALAMEDA ST

Year	Uses	Source
2020	ELECTRIC CHARGING STATION	EDR Digital Archive
	HIGHTIDE STORE DTLA	EDR Digital Archive
	NOVA ARTS LLC	EDR Digital Archive
	RAPPAHANNOK OYSTER BAR	EDR Digital Archive

S Alameda Street

747 S Alameda Street

Year	Uses	Source

787 S Alameda Street

Year	Uses	Source

FINDINGS

S. Alameda Street

757 S. Alameda Street

Year	*Uses*	*Source*

767 S. Alameda Street

Year	*Uses*	*Source*

Warehouse Street

701 Warehouse Street

Year	*Uses*	*Source*

747 Warehouse Street

Year	*Uses*	*Source*

FINDINGS

ADJOINING PROPERTY DETAIL

The following Adjoining Property addresses were researched for this report. Detailed findings are provided for each address.

8TH

1804 8TH

Year	Uses	Source
1986	LEAHY MFG CO	Pacific Bell
1981	LEAHY MFG CO	Pacific Telephone
1971	LEAHY MFG CO	Pacific Telephone
1962	LEAHY MFG CO	Pacific Telephone
1942	LEAHY MANUFACTURING CO Herbert V Leahy Manufacturers of Oil and Gas Burning Equipment	Los Angeles Directory Co.
	WRIGHT Verlie E slsmn G S Co	Los Angeles Directory Co.
1937	LEAHY MANUFACTURING CO Herbat W Leahy Manufacturers of Oil and Gas Burning Equipment	Los Angeles Directory Co.
1933	LEAHY MANUFACTURING CO Herbert V Leahy Manufacturers of Oil and Gas Burning Equipment	Los Angeles Directory Co.
1929	LEAHY MANUFACTURING CO Herbert V Leahy Manufacturers of Oil and Gas Burning Equipment	Los Angeles Directory Co.
1924	LEAHY MANUFACTURING CO Herbert V Leahy Manufacturers of Oil Burning Equipment	Los Angeles Directory Co.

1813 8TH

Year	Uses	Source
1990	J AULD CO	Pacific Bell

1830 8TH

Year	Uses	Source
1990	ANKO SERVICES	Pacific Bell

1920 8TH

Year	Uses	Source
1986	CORSARO PRODUCE	Pacific Bell

Year	Uses	Source
1981	CORSARO PRODUCE	Pacific Telephone
1971	Buyfair Produce Warehouse	Pacific Telephone
	CORSARO PRODUCE CO	Pacific Telephone
	Corsaro Produce Co	Pacific Telephone
	Honolulu Distributors Inc	Pacific Telephone
1962	Haddad Bros Farms	Pacific Telephone
	So Cal Potato & Onion Distributors	Pacific Telephone

8TH ST

1707 8TH ST

Year	Uses	Source
1954	LOWLAND LILLIAN M	R. L. Polk & Co.

1708 8TH ST

Year	Uses	Source
1954	DILLBECK DOROTHY	R. L. Polk & Co.

1710 8TH ST

Year	Uses	Source
1954	WOLD DONALD M	R. L. Polk & Co.

1712 8TH ST

Year	Uses	Source
1964	THOMPSON LOUIS D LONG BEACH	Pacific Telephone
1954	FRIGGE PAUL J	R. L. Polk & Co.
1950	DEACON JESSE G MRS R	Pacific Telephone

1719 8TH ST

Year	Uses	Source
1954	POPE JESSE E	R. L. Polk & Co.
1950	KRAY WALTER	Pacific Telephone

1724 8TH ST

Year	Uses	Source
1954	CHANDLER LARRY G	R. L. Polk & Co.
1950	CHANDLER LARRY G	Pacific Telephone

FINDINGS

1725 8TH ST

Year	Uses	Source
1964	REYNOLDS BESS MRS LONG BEACH	Pacific Telephone
1954	REYNOLDS BESS MRS	R. L. Polk & Co.
1950	REYNOLDS BESS MRS	Pacific Telephone

1804 8TH ST

Year	Uses	Source
2006	SUN TOME TRADING	Haines Company, Inc
1967	LEAHY MFG CO	Pacific Telephone
1958	LEAHY MFG CO	Pacific Telephone

1817 8TH ST

Year	Uses	Source
1954	FAIRCHILD HAROLD	R. L. Polk & Co.
1950	FAIRCHID HAROLD R	Pacific Telephone

1818 8TH ST

Year	Uses	Source
1954	MARVIN HATTIE E R	R. L. Polk & Co.
1950	MVARVIN HATTIE ER	Pacific Telephone

1819 8TH ST

Year	Uses	Source
1954	APPLEBY HENRY	R. L. Polk & Co.

1822 8TH ST

Year	Uses	Source
1954	PALMER ADELINE R" ALONG BCH64-5124	R. L. Polk & Co.
1950	BOURMAN JOHN L	Pacific Telephone

1824 8TH ST

Year	Uses	Source
1954	LARLOW MARJORIE	R. L. Polk & Co.
1950	LAW LUCILLE H	Pacific Telephone

FINDINGS

1826 8TH ST

Year	Uses	Source
1954	MALONEY MARTHA MI	R. L. Polk & Co.
1950	RALNBOLT ROBT E	Pacific Telephone

1839 8TH ST

Year	Uses	Source
1954	MCMICHAEL E E	R. L. Polk & Co.

1904 8TH ST

Year	Uses	Source
1967	Dramran Produce	Pacific Telephone
1958	Anderson T O prodc brkr	Pacific Telephone
	Carson Art prodc brkr	Pacific Telephone
	Granier Brokerage Co	Pacific Telephone
	Okada Geo M brkr	Pacific Telephone
	Woo Geo shipper	Pacific Telephone
	Woo Geo Co loadng dock	Pacific Telephone

1920 8TH ST

Year	Uses	Source
1985	Corsaro Produce Co	Pacific Bell
	CORSARO PRODUCE	Pacific Bell
1980	Corsaro Produce Co	Pacific Telephone
	CORSARA PRODUCE	Pacific Telephone
1975	CORSARO PRODUCE CO	Pacific Telephone
	CORSARO PRODUCE	Pacific Telephone
1967	Brown Fruit Co	Pacific Telephone
	Santa Cruz Mkts	Pacific Telephone
1958	Haddad Bros Farms	Pacific Telephone
	Haddad Bros Produce Co Inc	Pacific Telephone

FINDINGS

ALAMEDA

780 ALAMEDA

Year	Uses	Source
1990	FRANCISCO DISTRIBUTING	Pacific Bell

794 ALAMEDA

Year	Uses	Source
1986	J AULD CO	Pacific Bell
1981	J AULD CO	Pacific Telephone

800 ALAMEDA

Year	Uses	Source
1990	ALAMEDA & EIGHTH PUBLIC SCALES	Pacific Bell
	EIGHTH & ALAMEDA PUBLIC SCALES	Pacific Bell

820 ALAMEDA

Year	Uses	Source
1986	NAGATOSHI OXNARD	Pacific Bell
	SUN FRESH DISTRIBUTING CORP	Pacific Bell
1981	CROWN TERMINALS	Pacific Telephone
	T C S INC	Pacific Telephone
	TRANSCONTINENTAL SHIPPERS COOPERATIVE INC	Pacific Telephone
	U S CONSOLIDATED TRANSPORTATION SERVICES INC	Pacific Telephone

ALAMEDA ST

780 ALAMEDA ST

Year	Uses	Source
2006	SPROUTS FARMERS	Haines Company, Inc
	MARKET	Haines Company, Inc
1976	GOLDEN DISTRIBUTING CORP	Pacific Telephone
1971	GOLDEN DISTRIBUTING CORP	Pacific Telephone
1967	Big Bear Mkts	Pacific Telephone
	KORYS MKT	Pacific Telephone

FINDINGS

Year	Uses	Source
1967	Produce Warehse	Pacific Telephone
	P & W Produce Co Inc	Pacific Telephone
	Quality Fruit Packing Co	Pacific Telephone
1964	KORYS MKTS INC	Pacific Telephone
1962	Battaglia Joe Lemon Co	Pacific Telephone
	GOULDS CITRUS DISTRS	Pacific Telephone
	Goulds Citrus Distrs	Pacific Telephone
	Korys Mkts Inc	Pacific Telephone
	Perkins Max United Avocado Exch	Pacific Telephone
	United Avocado Exch	Pacific Telephone
1958	Lizzi John A	Pacific Telephone
	Perkins Max United Avocado Exch	Pacific Telephone
	Citrus Distrbtng Plant	Pacific Telephone
	Sunkist Growers Inc	Pacific Telephone
	United Avocado Exch	Pacific Telephone
1933	Citrus distributing plant	Los Angeles Directory Co.

800 ALAMEDA ST

Year	Uses	Source
2006	ALAMEDA & E	Haines Company, Inc
	PUBLIC SCALES	Haines Company, Inc
	EIGHTH & ALAMEDA	Haines Company, Inc
	PUBUC SCALES	Haines Company, Inc
1976	Alameda & Eighth Public Scales	Pacific Telephone
	Eighth & Alameda Public Scales	Pacific Telephone
1971	Alameda & Eighth Public Scales	Pacific Telephone
	Eighth & Alameda Public Scales	Pacific Telephone
1967	Alameda & Eighth Public Scales	Pacific Telephone
	Eighth & Alameda public Scales	Pacific Telephone
1962	Alameda & Eighth Public Scales	Pacific Telephone
	Eighth & Alameda Public Scales	Pacific Telephone
1958	Alameda & Eighth Public Scales	Pacific Telephone
	Eighth & Alameda Public Scales	Pacific Telephone

FINDINGS

820 ALAMEDA ST

Year	Uses	Source
1976	ARROW LIFSCHULTZ FREIGHT FORWARDERS	Pacific Telephone
	LIFSCHULTZ FAST FREIGHT INC	Pacific Telephone
1975	Lifschultz Fast Freight Inc	Pacific Telephone
1971	ARROW LIFSCHULTZ FREIGHT FORWARDERS	Pacific Telephone
	LIFSCHULTZ FAST FREIGHT INC	Pacific Telephone
1970	LIFSCHULTZ FAST FREIGHT INC	Pacific Telephone
1967	ARROW LIFSCHULTZ FREIGHT FORWARDERS	Pacific Telephone
	LIFSCHULTZ FAST FREIGHT	Pacific Telephone
	O & H TRUCKING CO	Pacific Telephone
1965	LIFSCHULTZ FAST FREIGHT	Pacific Telephone
1964	LIFSCHULTZ FAST FREIGHT	Pacific Telephone

E 8TH ST

1735 E 8TH ST

Year	Uses	Source
2014	MIRIAM SANTOYO	Cole Information
2010	MIRIAM SANTOYO	Cole Information

1804 E 8TH ST

Year	Uses	Source
2020	O G JUICES	EDR Digital Archive
	RASPADOS DELIGHTS INC	EDR Digital Archive
2005	SUN TOME	Cole Information
	JNP	Cole Information
1995	SUN TOME TRADING CORP	Cole Information
1992	SUN TOME TRADING	Cole Information

1831 E 8TH ST

Year	Uses	Source
2010	JOSE LORETO	Cole Information
2005	JOSE LORETO	Cole Information

FINDINGS

1837 E 8TH ST

Year	Uses	Source
2010	ANGELICA CANALES	Cole Information

E OLYMPIC BLVD

1753 E OLYMPIC BLVD

Year	Uses	Source
2020	J & B PRODUCE	EDR Digital Archive

MCGARRY

800 MCGARRY

Year	Uses	Source
1990	WORLD S FINEST CHOCOLATE	Pacific Bell
1986	M A P WAREHOUSE & TRUCKING INC	Pacific Bell
	OVERLAND TERMINAL WAREHOUSE CO	Pacific Bell
1981	FEDERATED TRANSPORT SYSTEM	Pacific Telephone
1967	HAZEL VINYL OF California	Pacific Telephone
	PERMA ENU	Pacific Telephone
	R Silk Screening Co Inc	Pacific Telephone

805 MCGARRY

Year	Uses	Source
1981	SHALHOUB SONNY CO PRODC	Pacific Telephone
1967	Shalhoub Sonny Co predc	Pacific Telephone

MCGARRY ST

800 MCGARRY ST

Year	Uses	Source
2020	EL COCHO PRODUCE	EDR Digital Archive
	BUNDLED APPAREL	EDR Digital Archive
	ESSY INVESTMENT GROUP LLC	EDR Digital Archive
	SAN JULIAN PLAZA LLC	EDR Digital Archive
	BELLA FASHION	EDR Digital Archive
	FELIZIA INC	EDR Digital Archive

FINDINGS

Year	Uses	Source
2020	R T WIN INC	EDR Digital Archive
	MONICA CHUNG INC	EDR Digital Archive
	B B APPAREL INC	EDR Digital Archive
	RANDY FASHION INC	EDR Digital Archive
	BEST FRESH PRODUCE	EDR Digital Archive
	YEMAYA FASHION INC	EDR Digital Archive
	MY DESIGN INC	EDR Digital Archive
	VEGAS CONNECTIONS	EDR Digital Archive
	KHODR GENERAL MOTORS INC	EDR Digital Archive
	SUPER FRESH PRODUCE INC	EDR Digital Archive
	FRESH PIC	EDR Digital Archive
	CLEOFAS INC	EDR Digital Archive
	GNM PRODUCE	EDR Digital Archive
	OASIS FASHION INC	EDR Digital Archive
	I L POOM INC	EDR Digital Archive
	TNT PRODUCE CO INC	EDR Digital Archive
	CRYSTAL K APPAREL	EDR Digital Archive
	K M SKY	EDR Digital Archive
2014	ELIEL INC	Cole Information
	DANA FASHION	Cole Information
	FUN FASHION	Cole Information
	GNM PRODUCE	Cole Information
	VICTORS FASHION	Cole Information
	CRYSTAL K APPAREL	Cole Information
	FRESH EXPRESS PRODUCE	Cole Information
	KIM YUNG CHANG	Cole Information
	TARA PRODUCE	Cole Information
	ALEX APPAREL INC	Cole Information
	KIMS FASHION	Cole Information
	REY REY PRODUCE WAREHOUSE	Cole Information
	MB FASHIONS	Cole Information
	EL COCHO PRODUCE	Cole Information

FINDINGS

Year	Uses	Source
2014	DANA W FASHION	Cole Information
	BLAZER APPAREL	Cole Information
	SJS APPAREL INC	Cole Information
	GIBOR PRODUCE	Cole Information
	T N T PRODUCE	Cole Information
	TERIART	Cole Information
	J K A INC	Cole Information
	YI INC	Cole Information
	KJ MOON CORP	Cole Information
	INVESTORS PROPERTY MANAGEMENT LLC	Cole Information
	VEGAS CONNECTIONS	Cole Information
	ARMANDO TORRES	Cole Information
	MOSES BABAZADEH	Cole Information
2010	ROMOS PRODUCE	Cole Information
	FLORENCE IMPORT & EXPORT INC	Cole Information
	TAZZA INC	Cole Information
	KINNEX INTERNATIONAL INC	Cole Information
	VEGAS CONNECTIONS	Cole Information
	TERIART	Cole Information
	M B FASHIONS	Cole Information
	PRODUCE 4 LESS INC	Cole Information
	REY REY PRODUCE WAREHOUSE	Cole Information
	BLANCA	Cole Information
	M N GEORGE PRODUCE	Cole Information
	TWIN STAR FASHION	Cole Information
	L A FRESH PRODUCE INC	Cole Information
	DANA W FASHION	Cole Information
	MAX LINE PRODUCE	Cole Information
2006	BUILDING	Haines Company, Inc
	BLANCA	Haines Company, Inc
	FLORENCE	Haines Company, Inc
	IMPORT&EXPORT	Haines Company, Inc

FINDINGS

Year	Uses	Source
2006	GEORGEMN	Haines Company, Inc
	PRODUCE	Haines Company, Inc
	KINNEX INTL INC	Haines Company, Inc
	MAX LINE PRODUCE	Haines Company, Inc
	NALLY& MILLIE	Haines Company, Inc
	PRODUCE 4 LESS	Haines Company, Inc
	REY REYPRODUCE	Haines Company, Inc
	WAREHOUSE	Haines Company, Inc
	ROMOS PRODUCE	Haines Company, Inc
	T NT PRODUCE	Haines Company, Inc
	TAC PRODUCE INC	Haines Company, Inc
	TAZZA PRODUCE	Haines Company, Inc
	VEGAS	Haines Company, Inc
	CONNECTION INC	Haines Company, Inc
	Y&R FASHION INC	Haines Company, Inc
2005	R & S CUTTING SERVICE	Cole Information
	M B FASHIONS	Cole Information
	TELA CUTTING	Cole Information
	LA MEXICANA IMPORT AND EXPORT	Cole Information
	TAC PRODUCE INC	Cole Information
	SWEET TOMATO PRODUCE	Cole Information
	REY REY PRODUCE WAREHOUSE INC	Cole Information
	TAZZA PRODUCE	Cole Information
	ROMOS PRODUCE INC	Cole Information
	GUILLERMO PIRCH GRADING SERVICE	Cole Information
	ORONA PRODUCE	Cole Information
	VEGAS CONNECTION INC	Cole Information
	MXF DESIGNS INC	Cole Information
	MINHAS	Cole Information
	EL RANCHO PRODUCE	Cole Information
	NALLY & MILLIE	Cole Information
	EL MEXICANO PRODUCE	Cole Information

FINDINGS

Year	Uses	Source
2000	XXXX	Haines & Company
1995	OVERLAND TERMINAL WAREHOUSE CO	Cole Information
	WORLDS FINEST CHOCOLATE	Cole Information
	CENTURY DISTRIBUTING CO	Cole Information
	MAP WAREHOUSE & TRUCKING INC	Cole Information
	CALMAR DISTRIBUTING CO	Cole Information
1992	DIAMOND RUBBER PRDS	Cole Information
	CALMAR DISTRIBUTING	Cole Information
	WORLDS FINEST CHCLT	Cole Information
	M A P WRHS&TRUCKING	Cole Information
	OVERLAND TERMINAL W	Cole Information
	CENTURY DISTRIBUTNG	Cole Information
	REINER JEROME ATTY	Cole Information
1976	Chaffee Warehouse	Pacific Telephone
	Chaffee Warehouse & Trucking Inc	Pacific Telephone
	Grace W R Co Polyfibron Division	Pacific Telephone
	Hoffman Jerry & Associates	Pacific Telephone
	Hunt Bill Co The	Pacific Telephone
	M A P Warehouse & Trucking Inc	Pacific Telephone
	Sirkus Inc Pat	Pacific Telephone
1960	BLUE CHIP STAMP CO	Pacific Telephone

805 MCGARRY ST

Year	Uses	Source
2000	XXXX	Haines & Company
1976	Shalhoub Sonny Co prodc	Pacific Telephone
1958	Shalhoub Sonny Co prodc	Pacific Telephone

820 MCGARRY ST

Year	Uses	Source
2014	JONES FARTNERS ARCHITECTURE	Cole Information
2006	WHOLESALE	Haines Company, Inc
	PRODUCE	Haines Company, Inc

FINDINGS

907 MCGARRY ST

Year	Uses	Source
2014	BINNYS FASHION	Cole Information
2010	BINNYS FASHION	Cole Information
	TOP WORLD INTL INC	Cole Information

917 MCGARRY ST

Year	Uses	Source
2020	ALLIED REFRIGERATION INC	EDR Digital Archive
2005	STYLE AMERICA	Cole Information

S ALAMEDA ST

800 S ALAMEDA ST

Year	Uses	Source
2010	PUBLIC SCALE	Cole Information
2005	ALAMEDA & EIGHTH PUBLIC SCALES	Cole Information
1995	ALAMEDA & EIGHTH PUBLIC SCALES	Cole Information
1992	ALAMEDA&8TH SCALES	Cole Information

FINDINGS

ADJOINING PROPERTY: ADDRESSES NOT IDENTIFIED IN RESEARCH SOURCE

The following Adjoining Property addresses were researched for this report, and the addresses were not identified in research source.

Address Researched	Address Not Identified in Research Source
1707 8TH ST	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1708 8TH ST	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1710 8TH ST	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1712 8TH ST	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1712 8TH ST	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1712 8TH ST	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1719 8TH ST	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

FINDINGS

Address Researched	Address Not Identified in Research Source
1719 8TH ST	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1724 8TH ST	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1724 8TH ST	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1725 8TH ST	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1725 8TH ST	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1725 8TH ST	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1735 E 8TH ST	2020, 2017, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1735 E 8TH ST	2020, 2017, 2014, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1753 E OLYMPIC BLVD	2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

FINDINGS

Address Researched	Address Not Identified in Research Source
1804 8TH	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1804 8TH	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1804 8TH	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1804 8TH	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1804 8TH	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1940, 1939, 1938, 1936, 1935, 1934, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1804 8TH	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1804 8TH	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1928, 1927, 1926, 1925, 1923, 1921, 1920
1804 8TH ST	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1804 8TH ST	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1804 8TH ST	2020, 2017, 2014, 2010, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

FINDINGS

Address Researched	Address Not Identified in Research Source
1804 E 8TH ST	2020, 2017, 2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1804 E 8TH ST	2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1804 E 8TH ST	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1804 E 8TH ST	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1813 8TH	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1817 8TH ST	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1817 8TH ST	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1818 8TH ST	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1818 8TH ST	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

FINDINGS

Address Researched	Address Not Identified in Research Source
1819 8TH ST	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1822 8TH ST	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1822 8TH ST	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1824 8TH ST	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1824 8TH ST	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1826 8TH ST	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1826 8TH ST	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1830 8TH	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1831 E 8TH ST	2020, 2017, 2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

FINDINGS

Address Researched	Address Not Identified in Research Source
1831 E 8TH ST	2020, 2017, 2014, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1837 E 8TH ST	2020, 2017, 2014, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1839 8TH ST	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1904 8TH ST	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1904 8TH ST	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1920 8TH	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1920 8TH	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1920 8TH	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1920 8TH	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

FINDINGS

Address Researched	Address Not Identified in Research Source
1920 8TH ST	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1920 8TH ST	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1920 8TH ST	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1920 8TH ST	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1920 8TH ST	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
700 Warehouse Street	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
760 Warehouse Street	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
780 ALAMEDA	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
780 ALAMEDA ST	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

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Address Researched	Address Not Identified in Research Source
780 ALAMEDA ST	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
780 ALAMEDA ST	2020, 2017, 2014, 2010, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
780 ALAMEDA ST	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
780 ALAMEDA ST	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
780 ALAMEDA ST	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
780 ALAMEDA ST	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
780 ALAMEDA ST	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
794 ALAMEDA	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
794 ALAMEDA	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

FINDINGS

Address Researched	Address Not Identified in Research Source
800 ALAMEDA	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
800 ALAMEDA ST	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
800 ALAMEDA ST	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
800 ALAMEDA ST	2020, 2017, 2014, 2010, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
800 ALAMEDA ST	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
800 ALAMEDA ST	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
800 ALAMEDA ST	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
800 MCGARRY	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
800 MCGARRY	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

FINDINGS

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800 MCGARRY	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
800 MCGARRY	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
800 MCGARRY ST	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
800 MCGARRY ST	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
800 MCGARRY ST	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
800 MCGARRY ST	2020, 2017, 2014, 2010, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
800 MCGARRY ST	2020, 2017, 2014, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
800 MCGARRY ST	2020, 2017, 2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
800 MCGARRY ST	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

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800 MCGARRY ST	2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
800 MCGARRY ST	2020, 2017, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
800 MCGARRY ST	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
800 S ALAMEDA ST	2020, 2017, 2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
800 S ALAMEDA ST	2020, 2017, 2014, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
800 S ALAMEDA ST	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
800 S ALAMEDA ST	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
805 MCGARRY	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
805 MCGARRY	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

FINDINGS

Address Researched	Address Not Identified in Research Source
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805 MCGARRY ST	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
805 MCGARRY ST	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
820 ALAMEDA	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
820 ALAMEDA	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
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820 ALAMEDA ST	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
820 ALAMEDA ST	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
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FINDINGS

Address Researched	Address Not Identified in Research Source
820 ALAMEDA ST	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
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907 MCGARRY ST	2020, 2017, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
907 MCGARRY ST	2020, 2017, 2014, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
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917 MCGARRY ST	2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

TARGET PROPERTY: ADDRESS NOT IDENTIFIED IN RESEARCH SOURCE

The following Target Property addresses were researched for this report, and the addresses were not identified in the research source.

Address Researched	Address Not Identified in Research Source
777 S Alameda Street	2017, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

3666

777 S Alameda Street

Los Angeles, CA 90021

Inquiry Number: 7277931.8

March 13, 2023

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Toll Free: 800.352.0050
www.edrnet.com

EDR Aerial Photo Decade Package

03/13/23

Site Name:

3666
777 S Alameda Street
Los Angeles, CA 90021
EDR Inquiry # 7277931.8

Client Name:

California Environmental
30423 Canwood Street Suite 208
Agoura Hills, CA 93012
Contact: Ryan Bzoskie

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Search Results:

Year	Scale	Details	Source
2020	1"=500'	Flight Year: 2020	USDA/NAIP
2016	1"=500'	Flight Year: 2016	USDA/NAIP
2012	1"=500'	Flight Year: 2012	USDA/NAIP
2009	1"=500'	Flight Year: 2009	USDA/NAIP
2005	1"=500'	Flight Year: 2005	USDA/NAIP
2002	1"=500'	Flight Date: June 10, 2002	USDA
1994	1"=500'	Acquisition Date: May 31, 1994	USGS/DOQQ
1989	1"=500'	Flight Date: August 22, 1989	USDA
1983	1"=500'	Flight Date: November 19, 1983	EDR Proprietary Brewster Pacific
1972	1"=500'	Flight Date: November 21, 1972	EDR Proprietary Brewster Pacific
1970	1"=500'	Flight Date: February 17, 1970	EDR Proprietary Brewster Pacific
1964	1"=500'	Flight Date: July 28, 1964	USGS
1952	1"=500'	Flight Date: April 12, 1952	USDA
1948	1"=500'	Flight Date: July 10, 1948	USGS
1938	1"=500'	Flight Date: May 22, 1938	USDA
1928	1"=500'	Flight Date: January 01, 1928	FAIR
1923	1"=500'	Flight Date: January 01, 1923	FAIR

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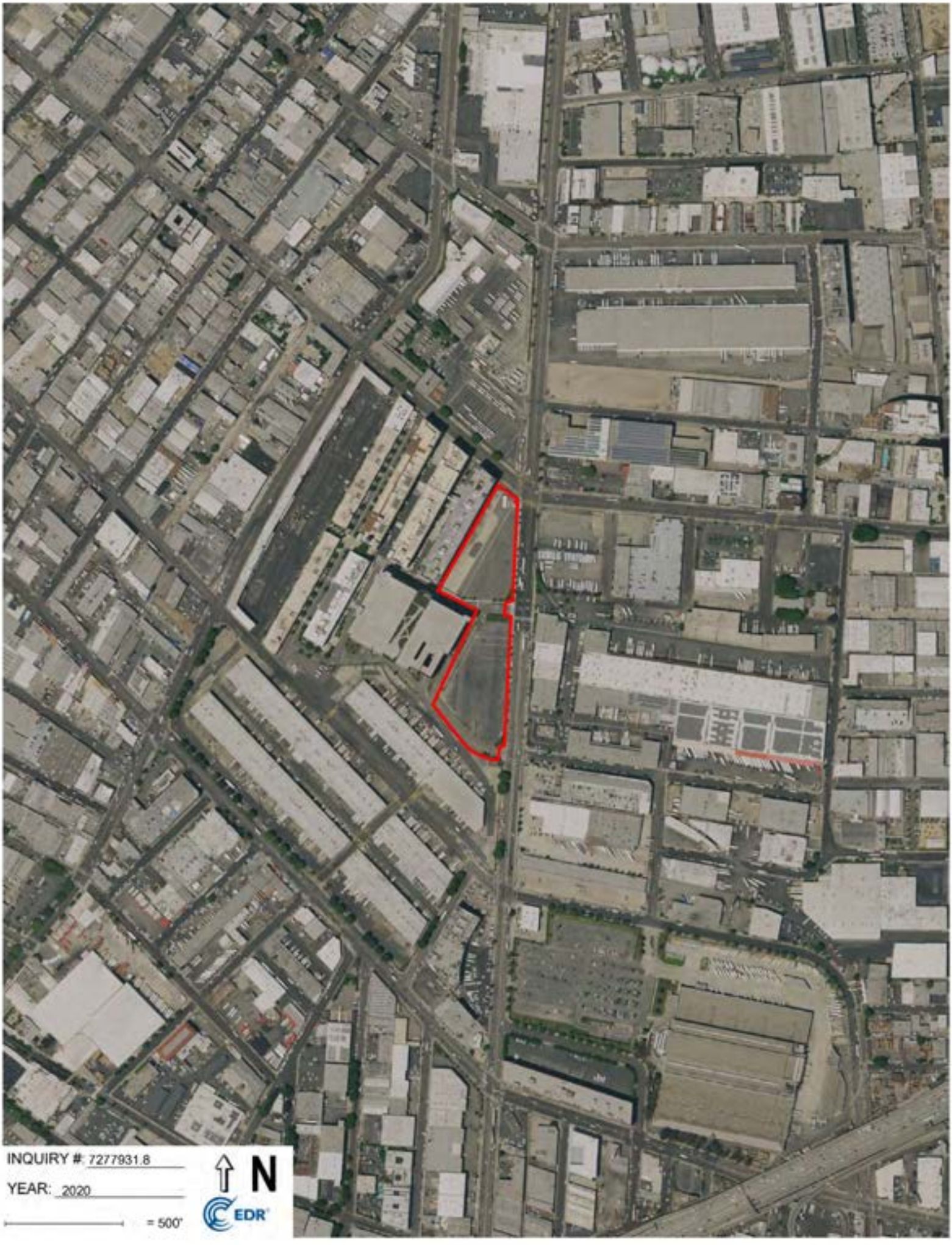
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YEAR: 2020
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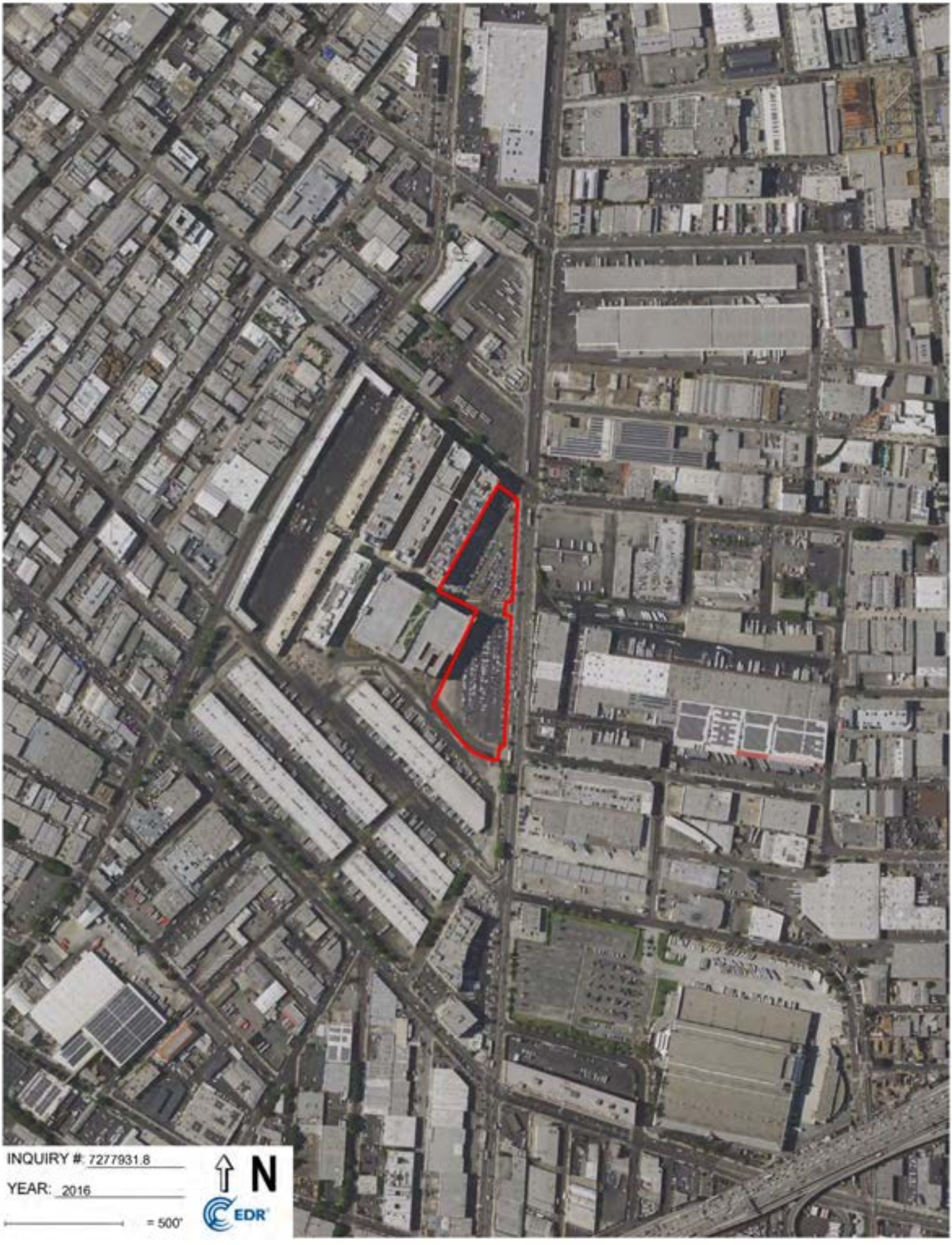
EDR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YEAR: 2012
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EDR


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YEAR: 2009
= 500'
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EDR


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YEAR: 2005
= 500'
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EDR


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YEAR: 2002
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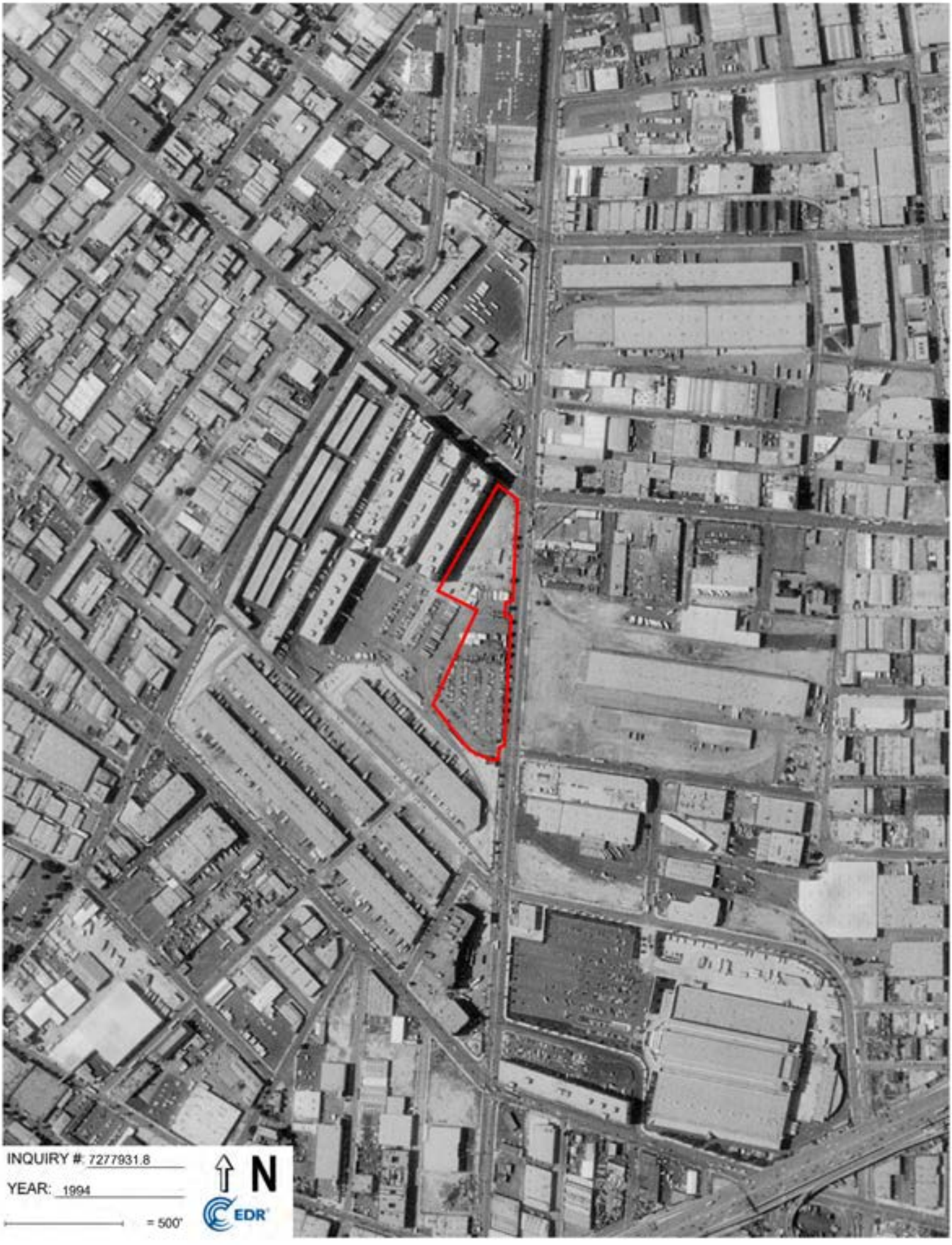
EDR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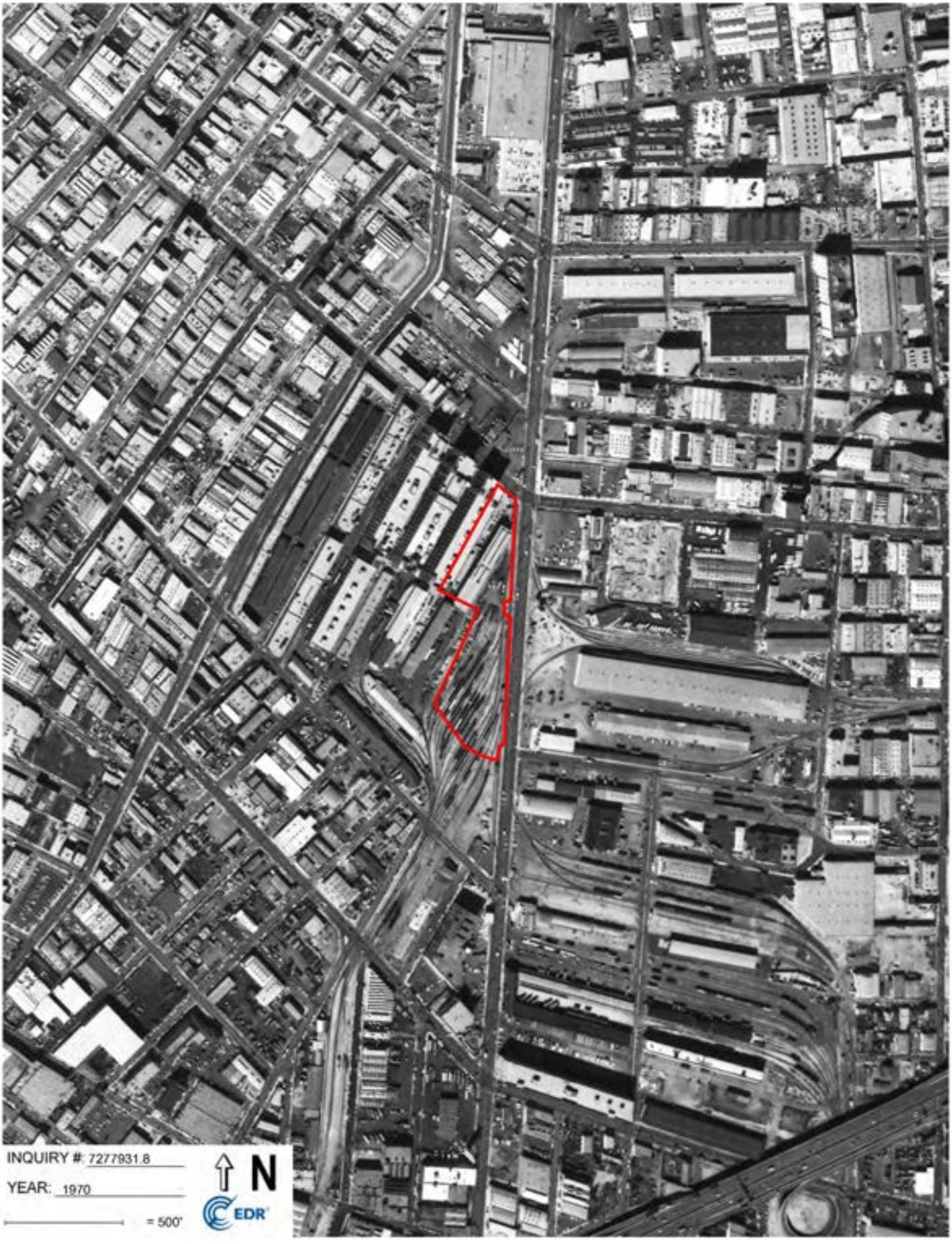
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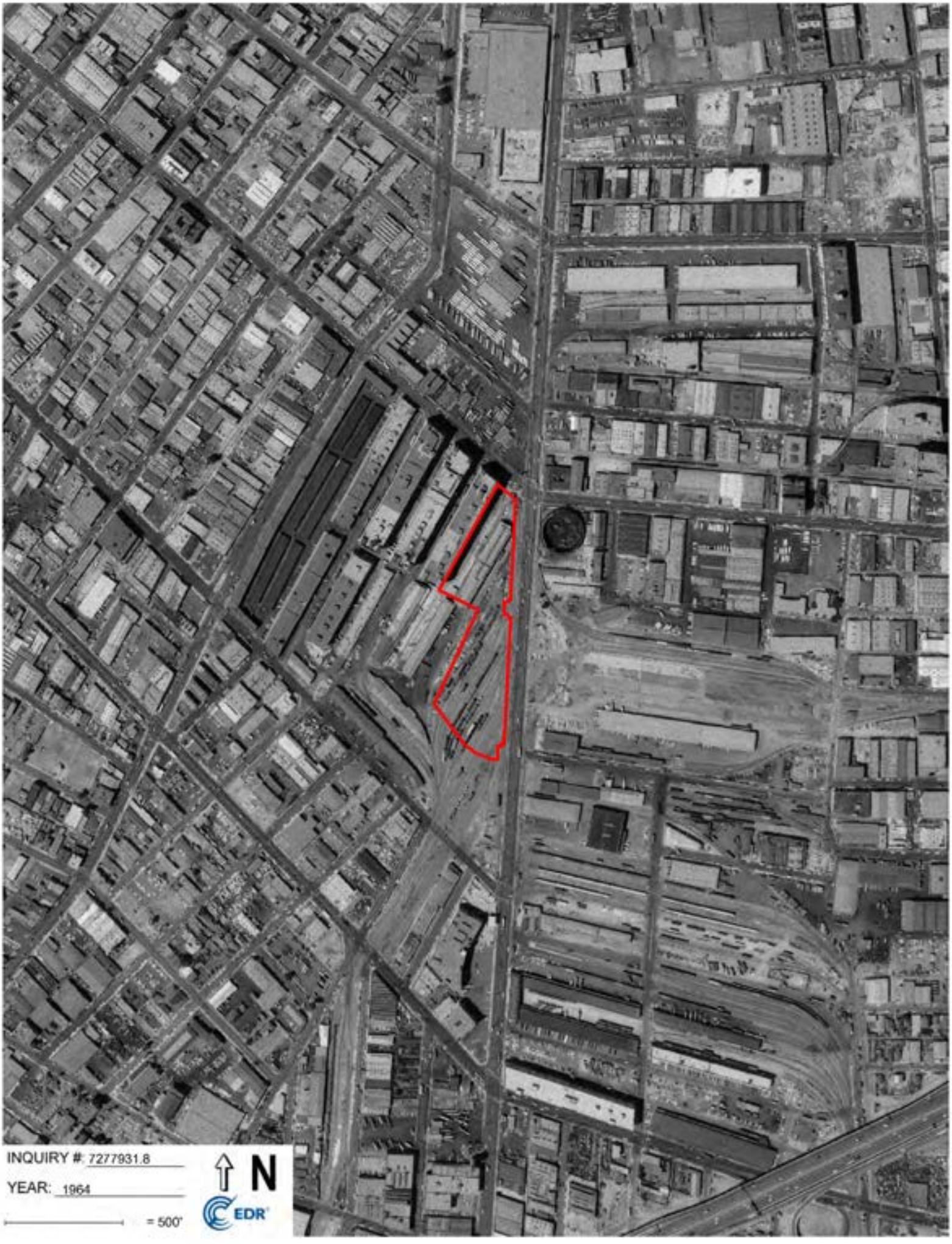
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YEAR: 1964
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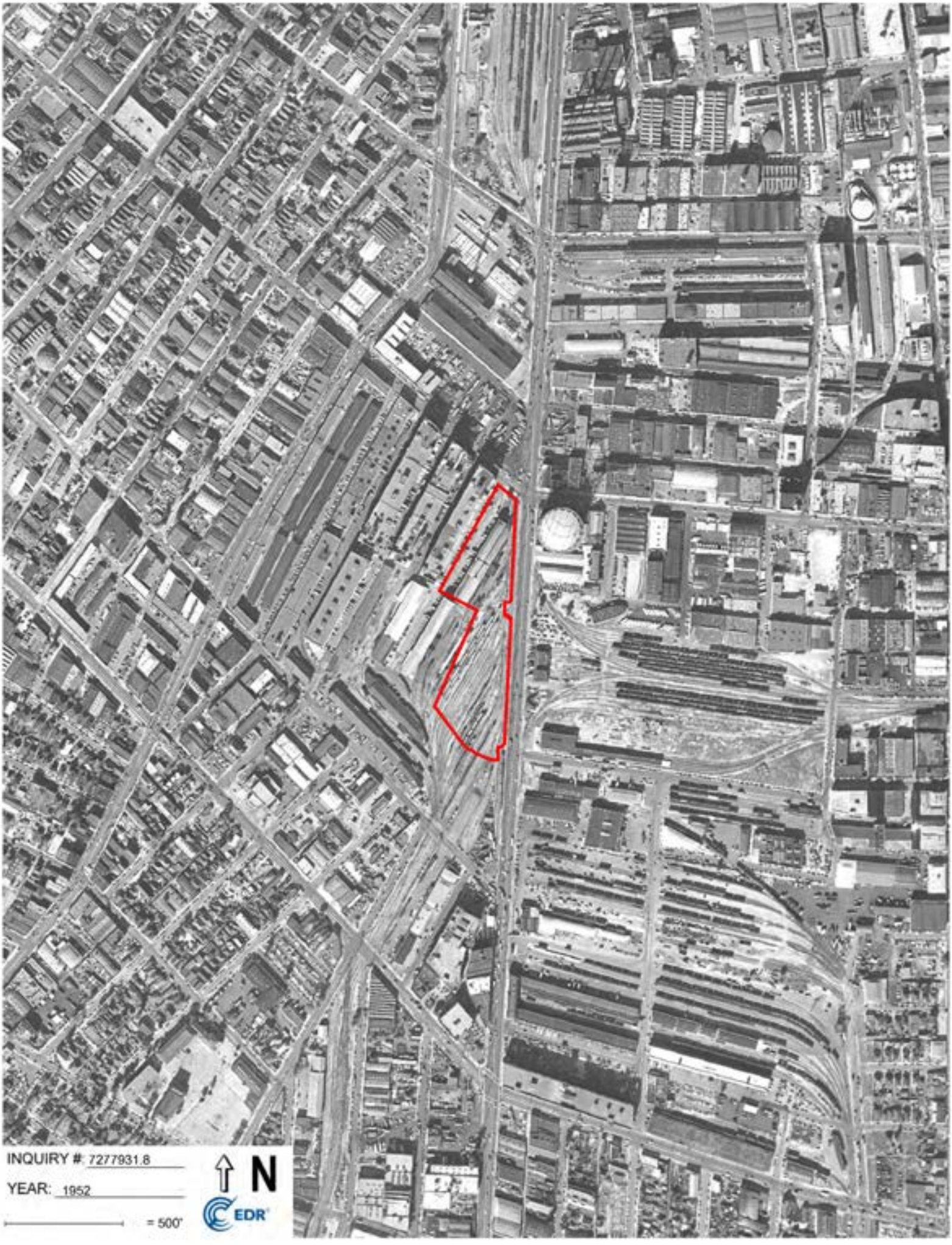
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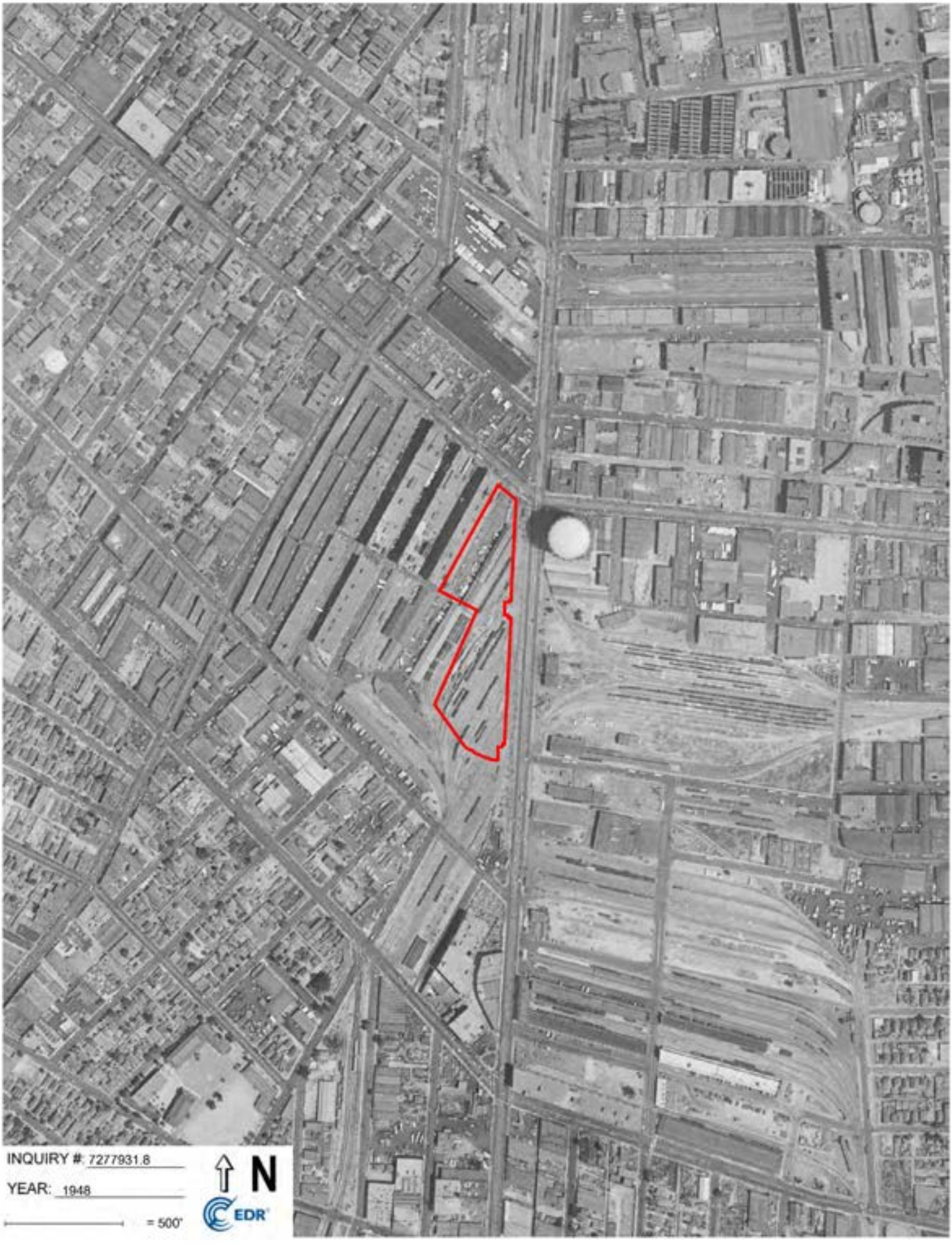
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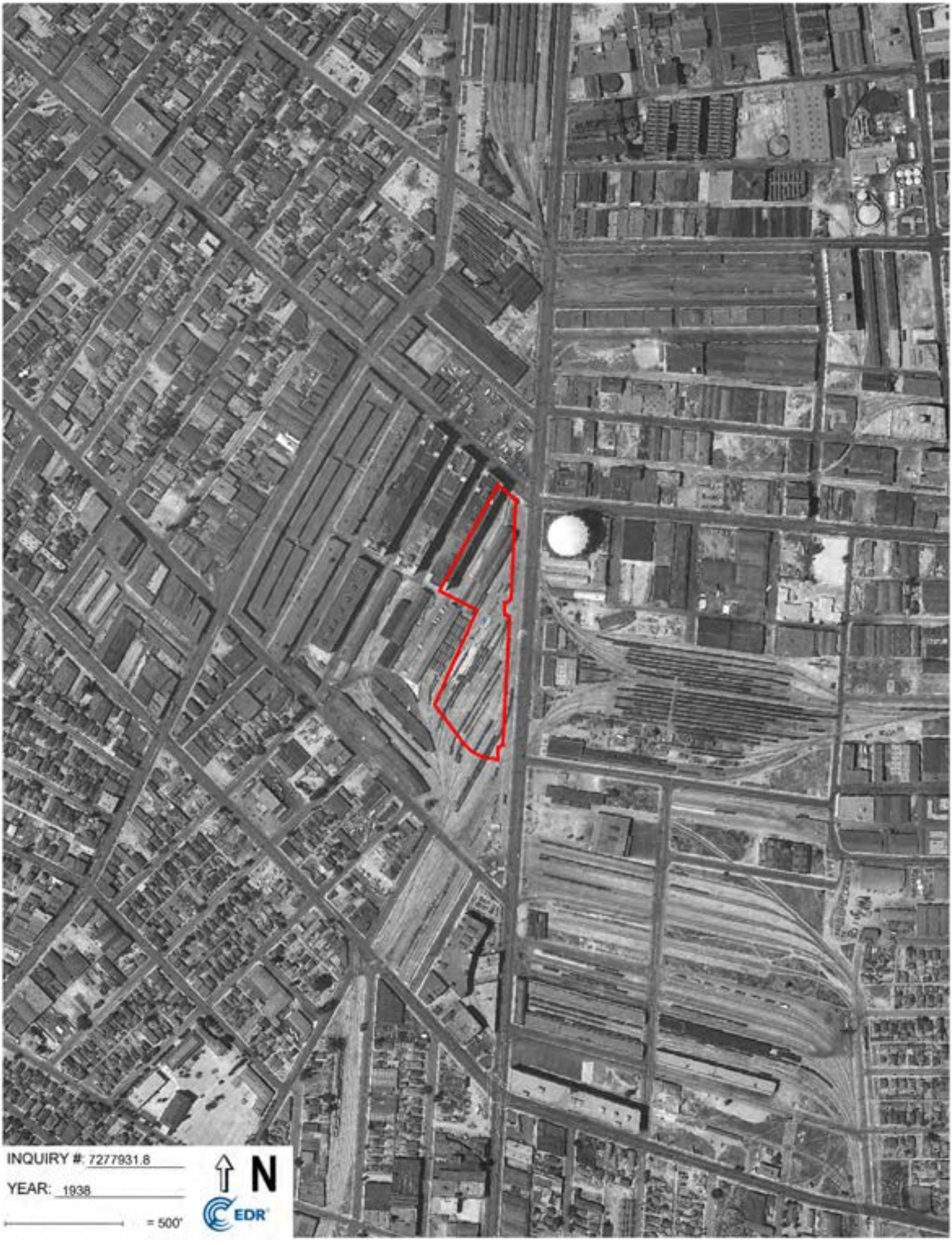
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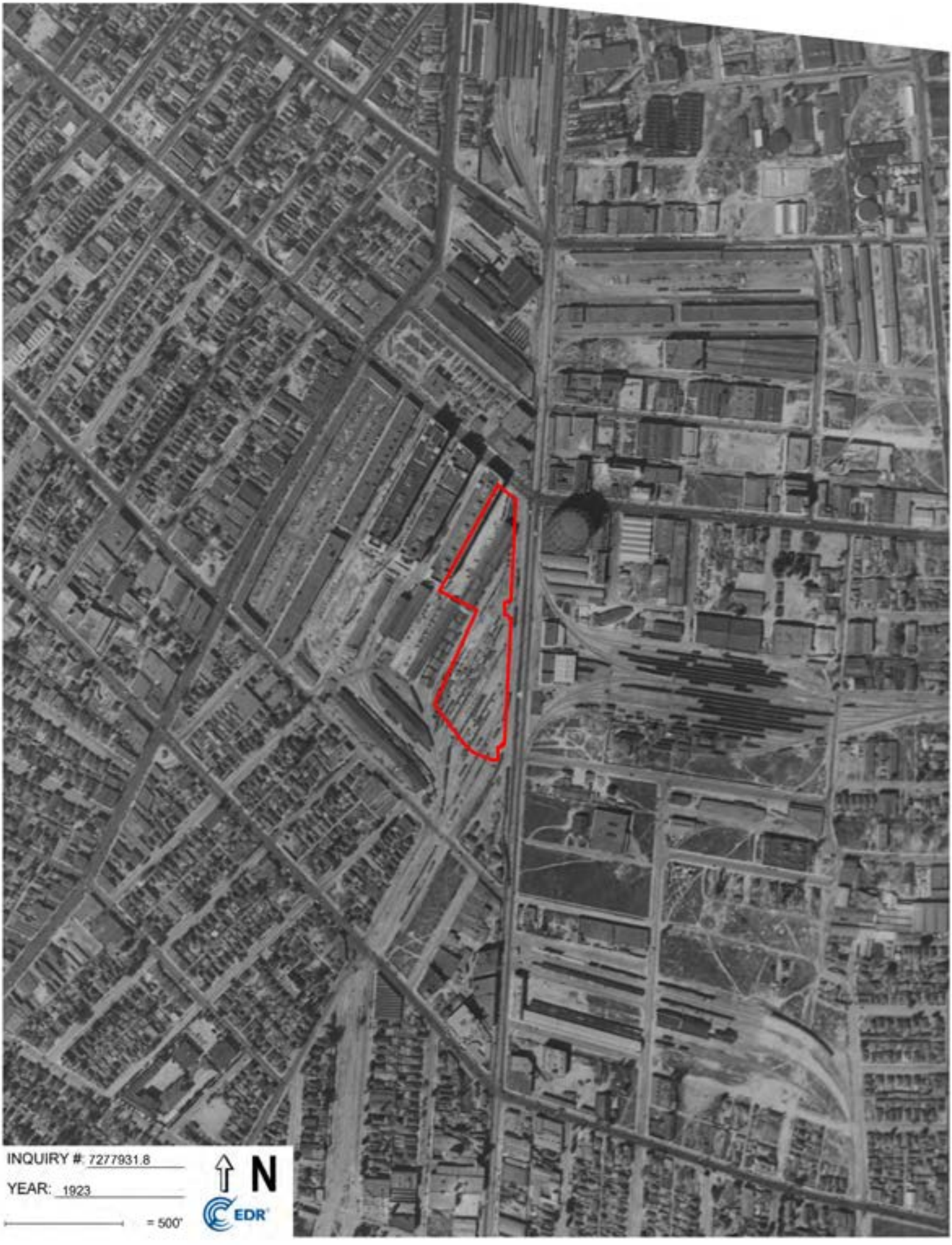
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YEAR: 1923
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EDR

3666

777 S Alameda Street

Los Angeles, CA 90021

Inquiry Number: 7277931.3

March 13, 2023

Certified Sanborn® Map Report

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03/13/23

Site Name:

3666
777 S Alameda Street
Los Angeles, CA 90021
EDR Inquiry # 7277931.3

Client Name:

California Environmental
30423 Canwood Street Suite 208
Agoura Hills, CA 93012
Contact: Ryan Bzoskie

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Certified Sanborn Results:

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PO # NA

Project 3666

Maps Provided:

1970
1967
1960
1959
1954
1953
1950
1906
1900
1888

Sanborn® Library search results

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Sanborn Sheet Key

This Certified Sanborn Map Report is based upon the following Sanborn Fire Insurance map sheets.

1970 Source Sheets


Volume 2, Sheet 192
1970


Volume 2, Sheet 211
1970


Volume 2, Sheet 191
1970

1967 Source Sheets


Volume 2, Sheet 211
1967


Volume 2, Sheet 192
1967

1960 Source Sheets


Volume 2, Sheet 192
1960


Volume 2, Sheet 211
1960


Volume 2, Sheet 191
1960

1959 Source Sheets


Volume 2, Sheet 191
1959


Volume 2, Sheet 211
1959


Volume 2, Sheet 192
1959

Sanborn Sheet Key

This Certified Sanborn Map Report is based upon the following Sanborn Fire Insurance map sheets.

1954 Source Sheets


Volume 2, Sheet 192
1954


Volume 2, Sheet 211
1954


Volume 2, Sheet 191
1954

1953 Source Sheets


Volume 2, Sheet 191
1953


Volume 2, Sheet 211
1953


Volume 2, Sheet 191
1953


Volume 2, Sheet 192
1953


Volume 2, Sheet 192
1953


Volume 2, Sheet 211
1953

1950 Source Sheets


Volume 2, Sheet 211
1950-Jun

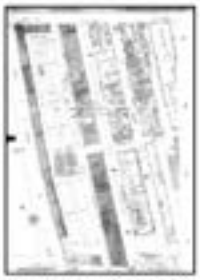

Volume 2, Sheet 192
1950-Jun


Volume 2, Sheet 191
1950-Jun

Sanborn Sheet Key

This Certified Sanborn Map Report is based upon the following Sanborn Fire Insurance map sheets.

1950 Source Sheets


Volume 2, Sheet 191
1950


Volume 2, Sheet 192
1950


Volume 2, Sheet 211
1950

1906 Source Sheets


Volume 2, Sheet 211
1906


Volume 2, Sheet 192
1906


Volume 2, Sheet 191
1906

1900 Source Sheets

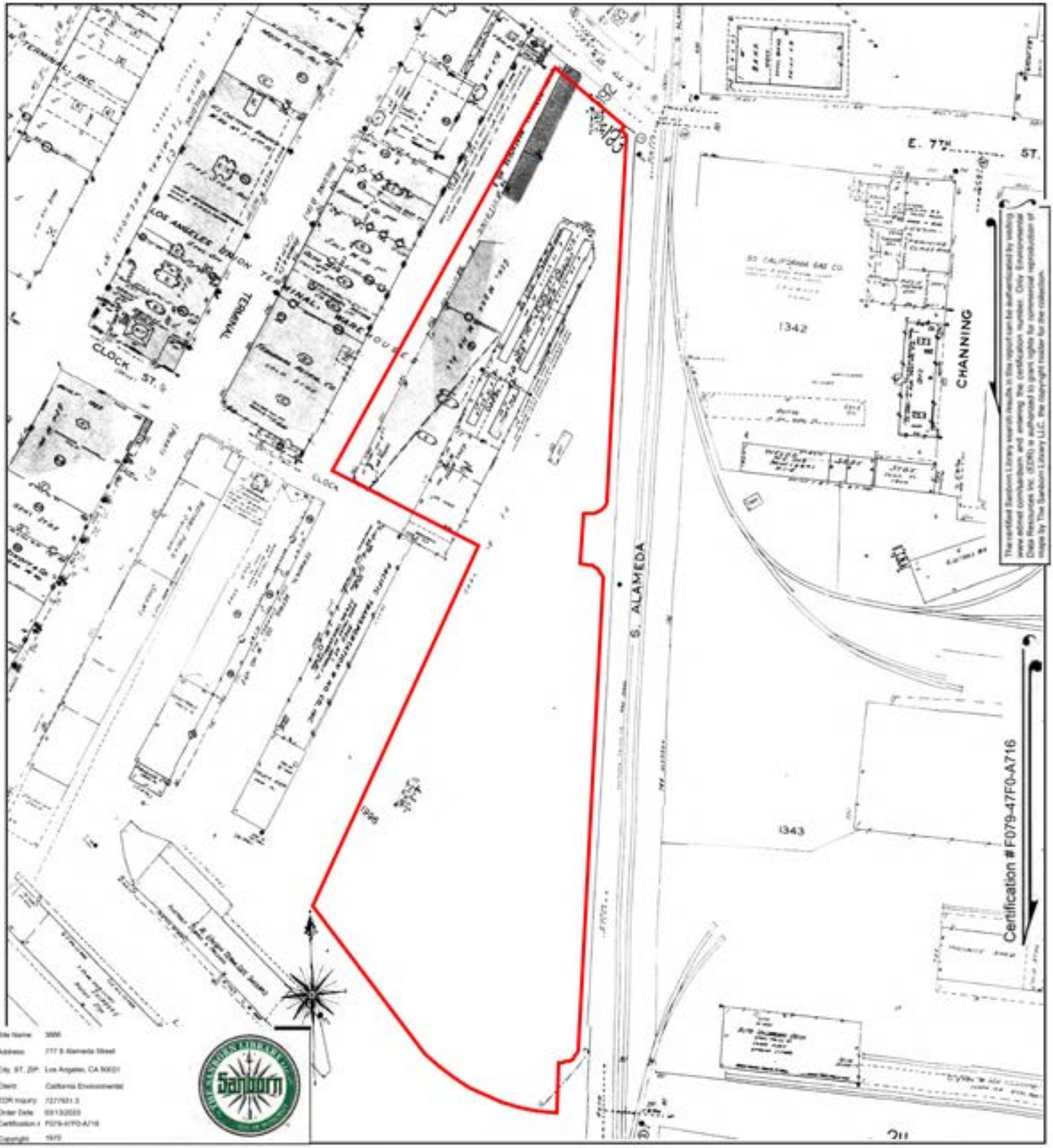

Volume 4, Sheet 259
1900

1888 Source Sheets


Volume 1, Sheet 14
1888

Certified Sanborn® Map

1970



Site Name: 3000
Address: 777 S Alameda Street
City, ST, ZIP: Los Angeles, CA 90021
Client: California Environmental
EDR Inquiry: 7277931.3
Order Date: 03/13/2023
Certification #: F079-47F0-A716
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Outlined areas indicate map sheets within the collection.

0 Feet 150 300 600



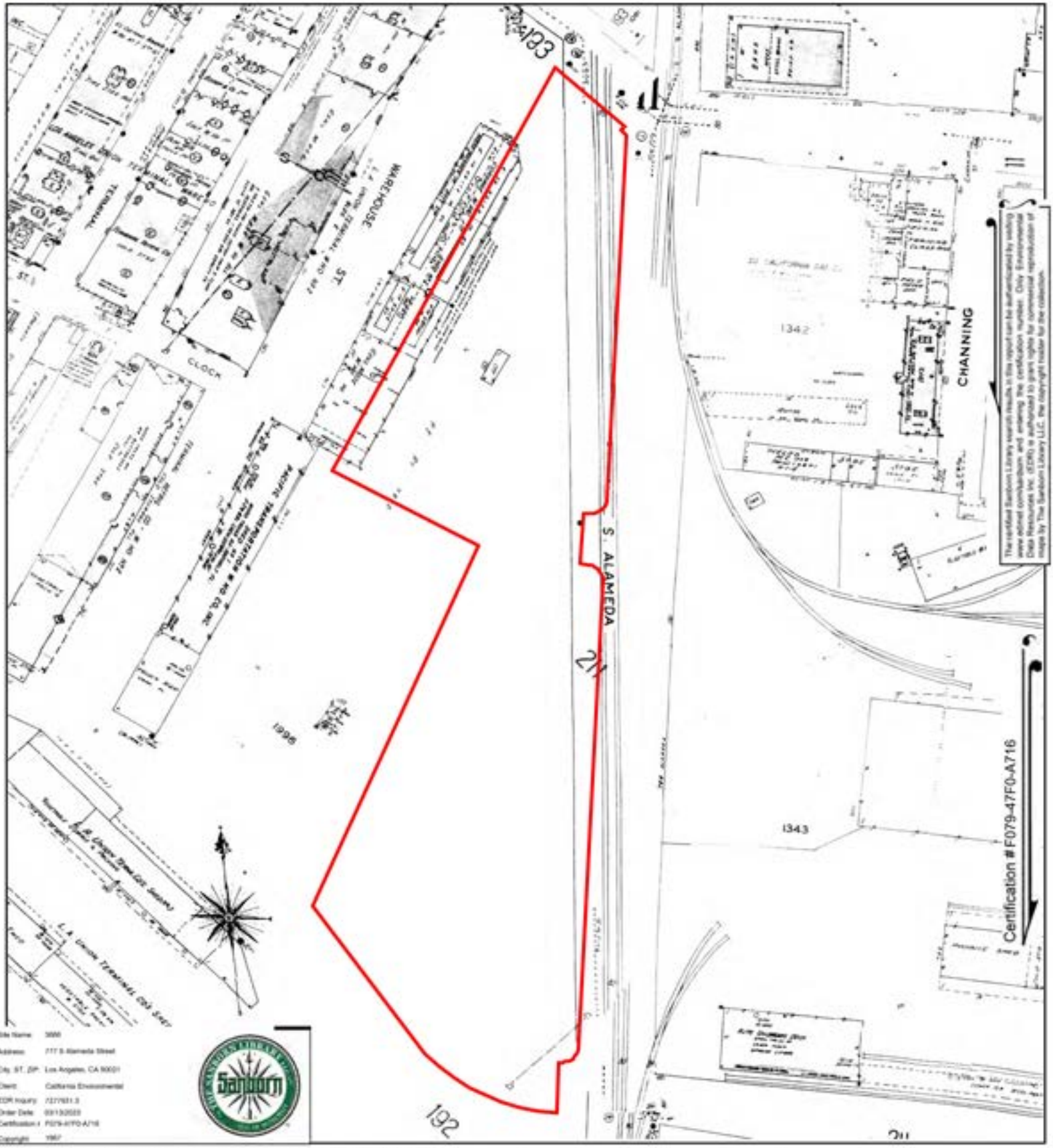


Volume 2, Sheet 191
Volume 2, Sheet 211
Volume 2, Sheet 192

N

Certified Sanborn® Map

1967



Site Name: 3000
Address: 777 S Alameda Street
City, ST, ZIP: Los Angeles, CA 90021
Client: California Environmental
EDR Inquiry: 7277931.3
Order Date: 03/13/2023
Certification #: F079-47F0-A716
Copyright: 1967

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0 Feet 150 300 600





Volume 2, Sheet 192
Volume 2, Sheet 211

N

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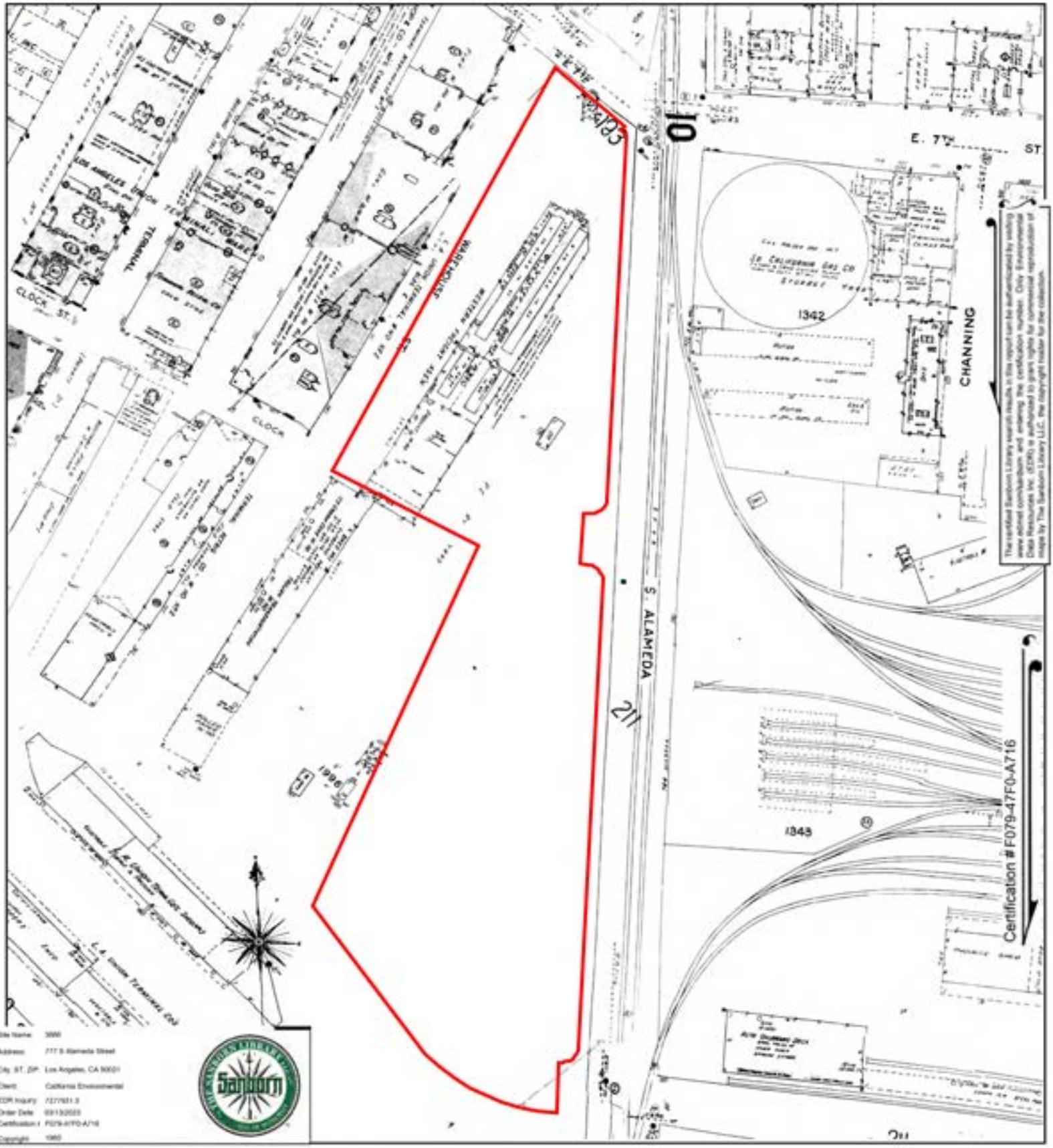
1960



Site Name: 3000
Address: 777 S Alameda Street
City, ST, ZIP: Los Angeles, CA 90021
Client: California Environmental
EDR Inquiry: 7277931.3
Order Date: 03/13/2023
Certification #: F079-47F0-A716
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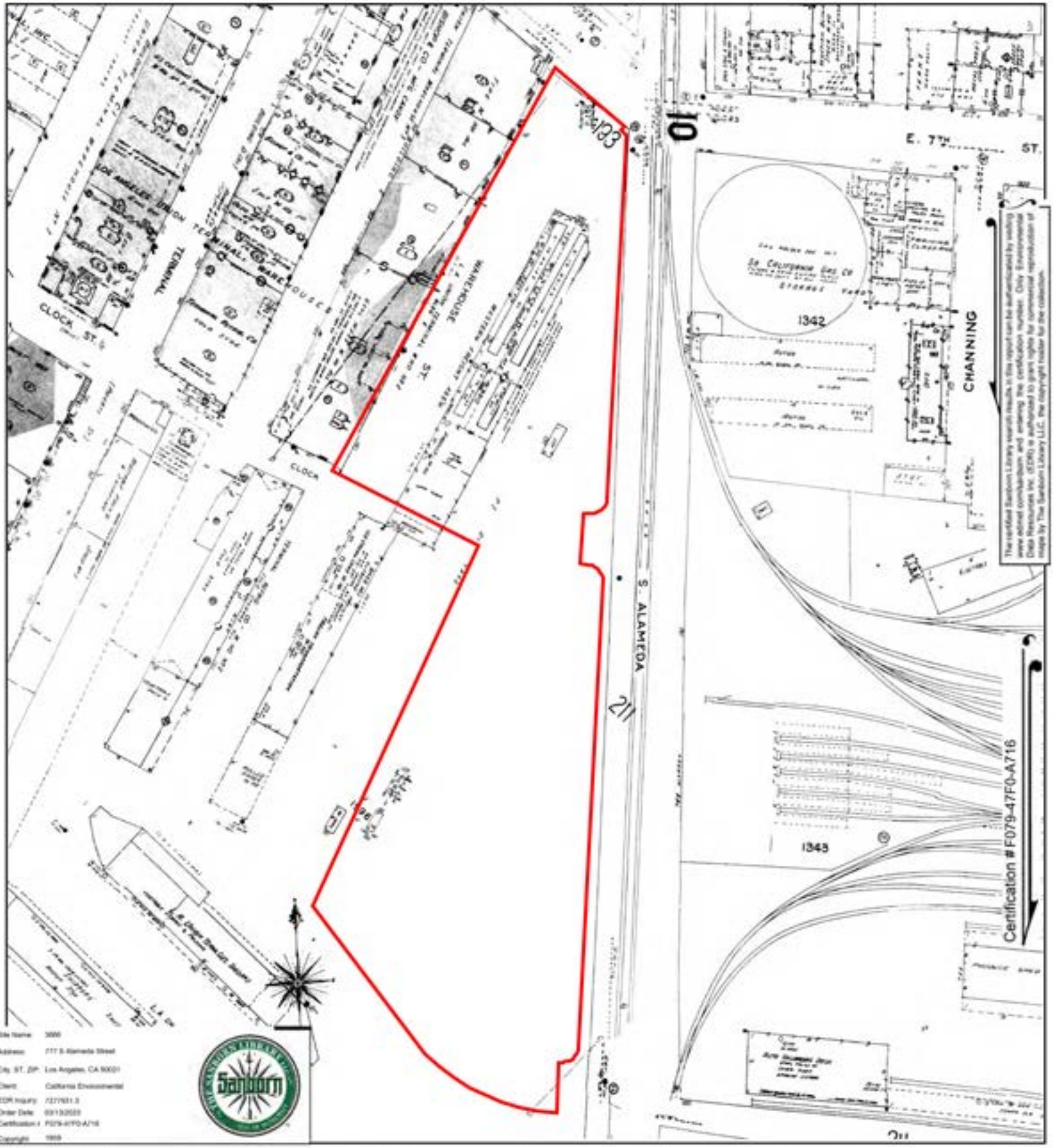
0 Feet 150 300 600





Volume 2, Sheet 191
Volume 2, Sheet 211
Volume 2, Sheet 192

N



Site Name: 3000
Address: 777 S Alameda Street
City, ST, ZIP: Los Angeles, CA 90021
Client: California Environmental
EDR Inquiry: 7277931.3
Order Date: 03/13/2023
Certification #: F079-47F0-A716
Copyright: 1959

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Outlined areas indicate map sheets within the collection.

0 Feet 150 300 600



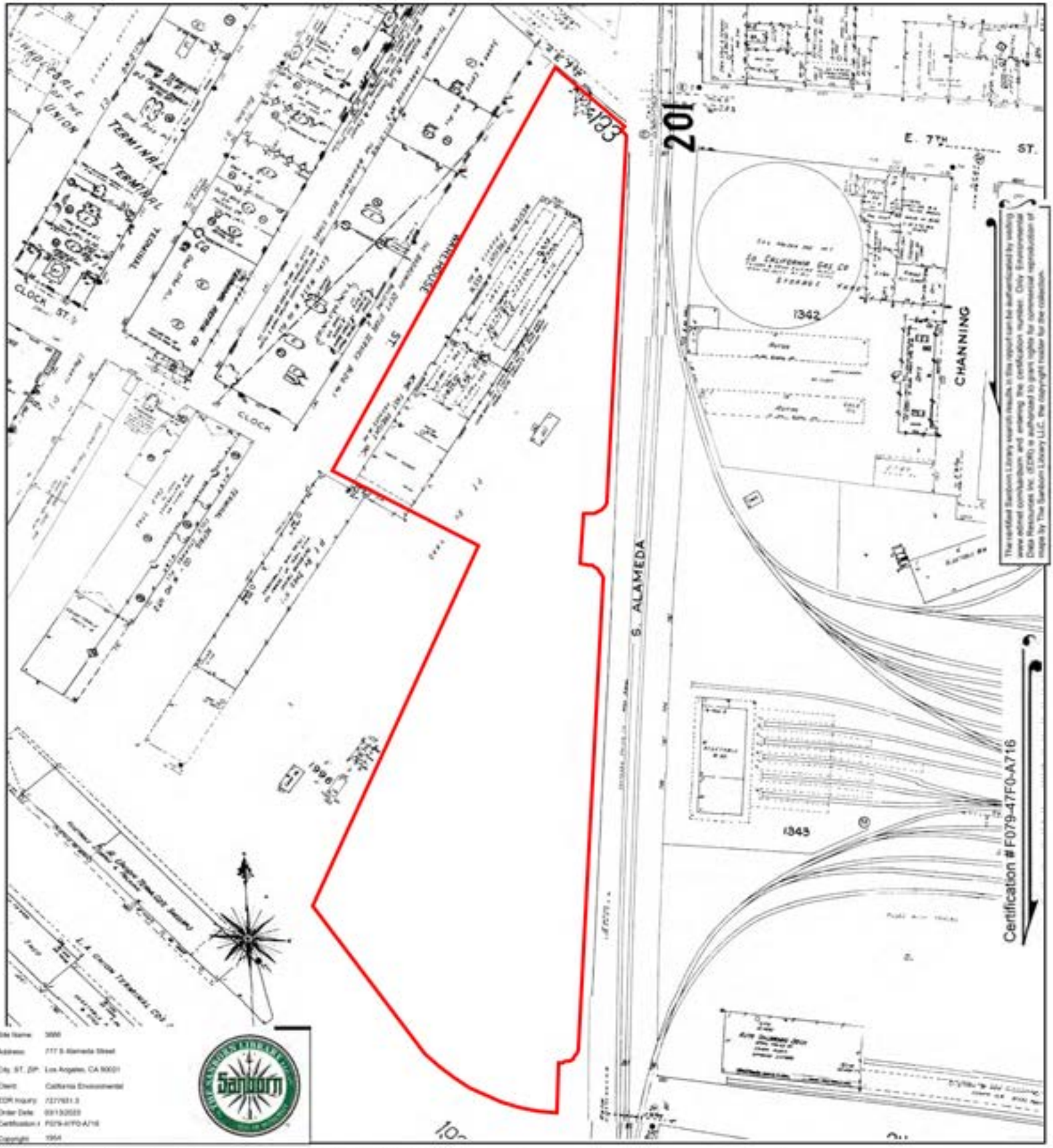


Volume 2, Sheet 192
Volume 2, Sheet 211
Volume 2, Sheet 191

N

Certified Sanborn® Map

1954



This Certified Sanborn Map combines the following sheets.
Outlined areas indicate map sheets within the collection.

0 Feet 150 300 600



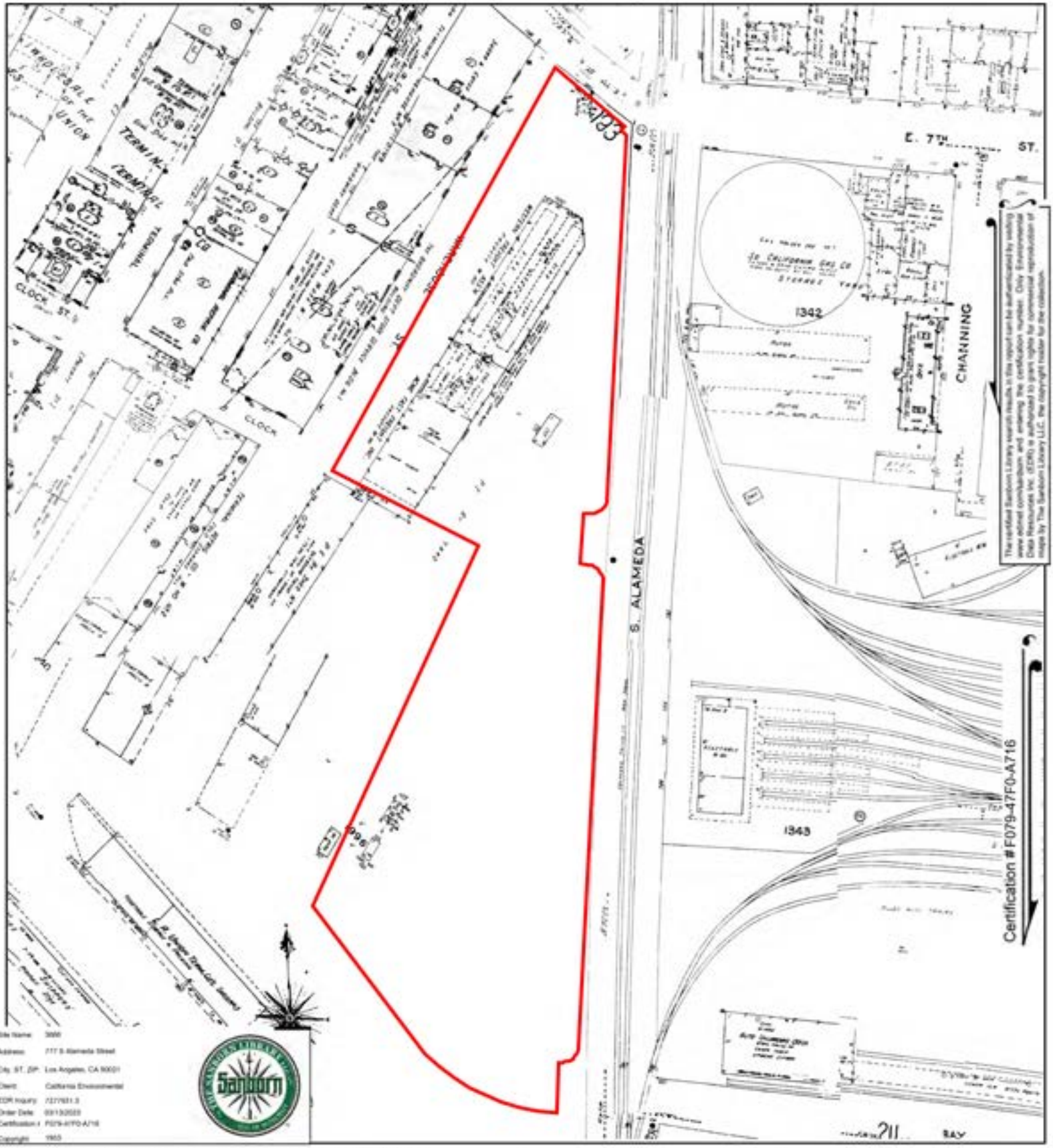


Volume 2, Sheet 191
Volume 2, Sheet 211
Volume 2, Sheet 192

N

Certified Sanborn® Map

1953



Site Name: 3000
Address: 777 S Alameda Street
City, ST, ZIP: Los Angeles, CA 90021
Client: California Environmental
EDR Inquiry: 7277931.3
Order Date: 03/13/2023
Certification #: F079-47F0-A716
Copyright: 1953

This Certified Sanborn Map combines the following sheets.
Outlined areas indicate map sheets within the collection.

0 Feet 150 300 600



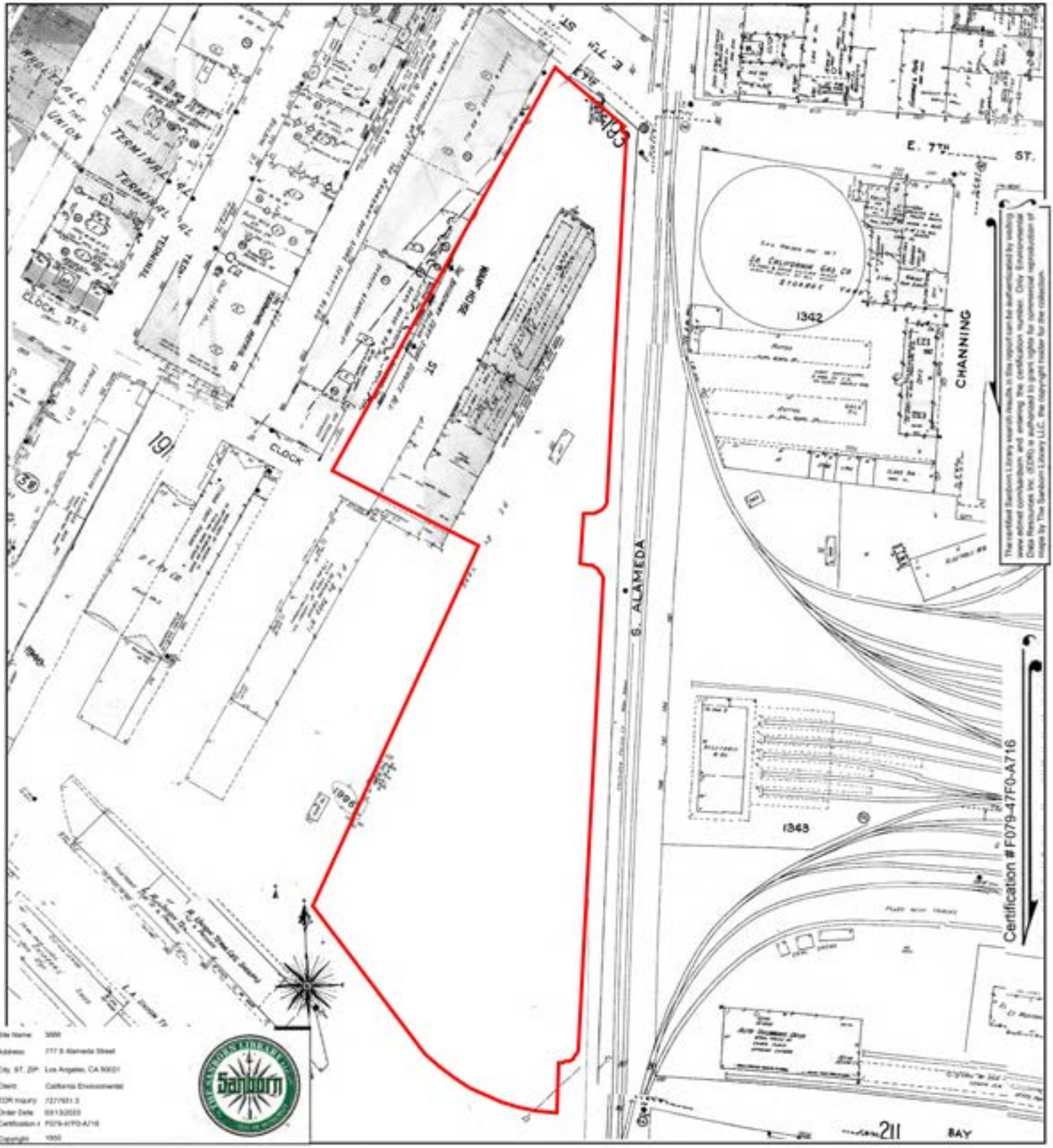


Volume 2, Sheet 211
Volume 2, Sheet 192
Volume 2, Sheet 192
Volume 2, Sheet 191
Volume 2, Sheet 211
Volume 2, Sheet 191

N

Certified Sanborn® Map

1950

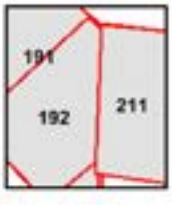


Site Name: 3000
Address: 777 S Alameda Street
City, ST, ZIP: Los Angeles, CA 90021
Client: California Environmental
EDR Inquiry: 7277931.3
Order Date: 03/13/2023
Certification #: F079-47F0-A716
Copyright: 1950

This Certified Sanborn Map combines the following sheets.
Outlined areas indicate map sheets within the collection.

0 Feet 150 300 600



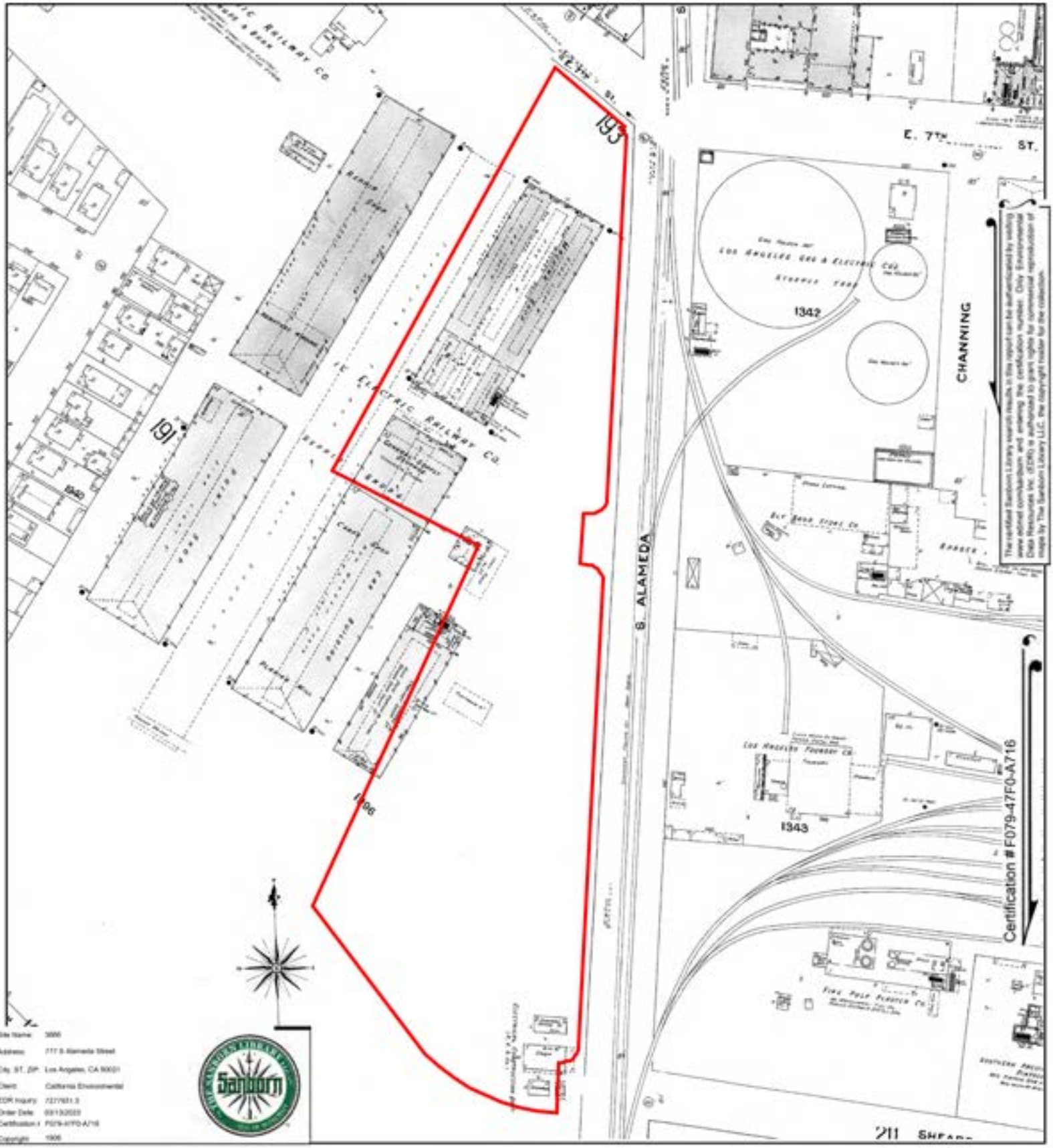


Volume 2, Sheet 211
Volume 2, Sheet 192
Volume 2, Sheet 191
Volume 2, Sheet 191
Volume 2, Sheet 192
Volume 2, Sheet 211

N

Certified Sanborn® Map

1906



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Outlined areas indicate map sheets within the collection.

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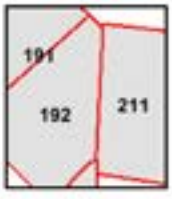
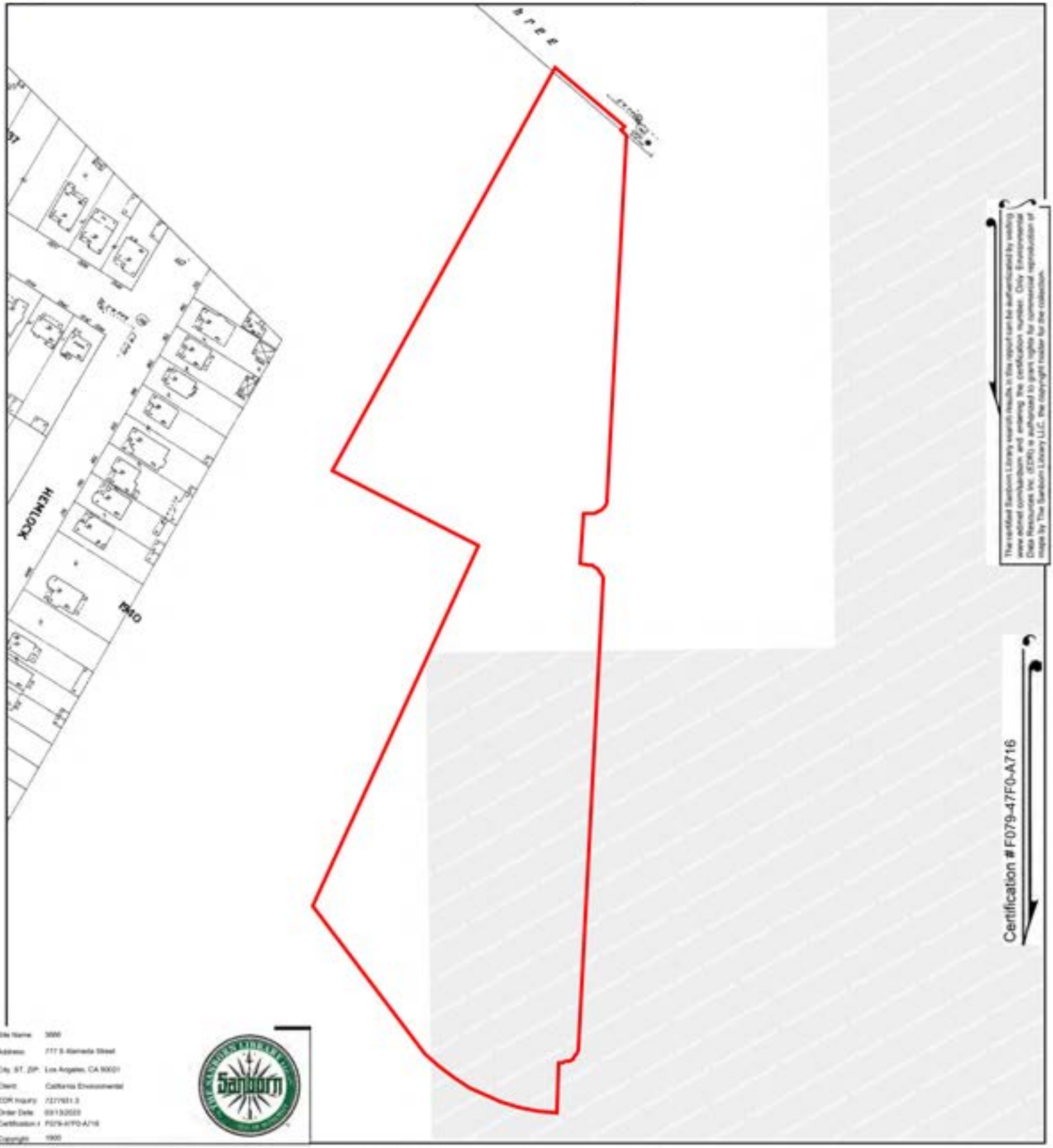


Volume 2, Sheet 191
Volume 2, Sheet 192
Volume 2, Sheet 211

N

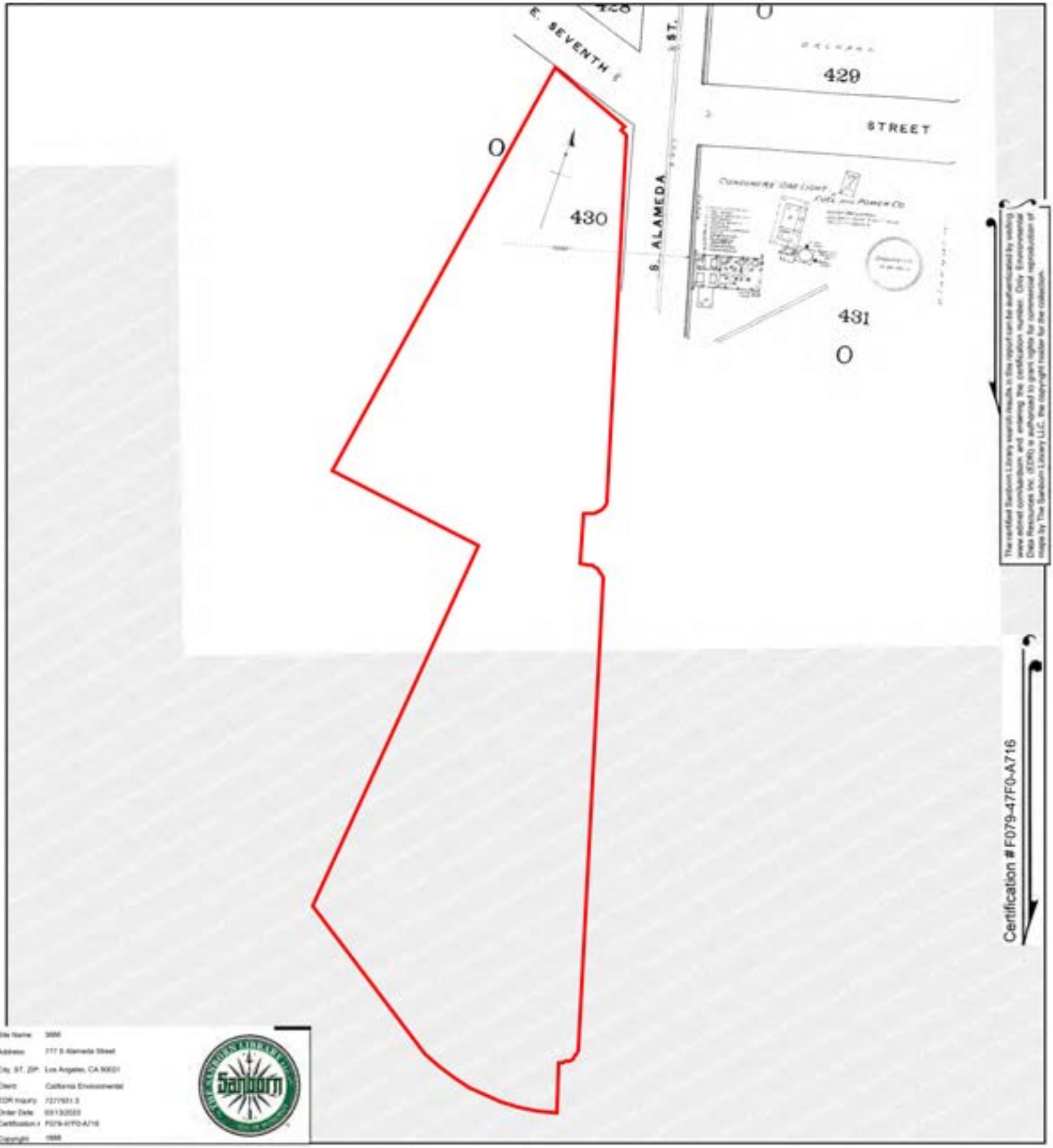


Site Name: 3000
Address: 777 S Alameda Street
City, ST, ZIP: Los Angeles, CA 90021
Client: California Environmental
EDR Inquiry: 7277931.3
Order Date: 03/13/2023
Certification #: F079-47F0-A716
Copyright: 1900

This Certified Sanborn Map combines the following sheets.
Outlined areas indicate map sheets within the collection.

Volume 4, Sheet 259

0 Feet 150 300 600



Site Name: 3000
Address: 777 S Alameda Street
City, ST, ZIP: Los Angeles, CA 90021
Client: California Environmental
EDR Inquiry: 7277931.3
Order Date: 03/13/2023
Certification #: F079-47F0-A716
Copyright: 1888

This Certified Sanborn Map combines the following sheets.
Outlined areas indicate map sheets within the collection.

0 Feet 150 300 600

Volume 1, Sheet 14

14

N

3666

777 S Alameda Street

Los Angeles, CA 90021

Inquiry Number: 7277931.4

March 13, 2023

EDR Historical Topo Map Report

with QuadMatch™

6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

EDR Historical Topo Map Report

03/13/23

Site Name:	Client Name:
3666	California Environmental
777 S Alameda Street	30423 Canwood Street Suite 208
Los Angeles, CA 90021	Agoura Hills, CA 93012
EDR Inquiry # 7277931.4	Contact: Ryan Bzoskie

EDR Topographic Map Library has been searched by EDR and maps covering the target property location as provided by California Environmental were identified for the years listed below. EDR's Historical Topo Map Report is designed to assist professionals in evaluating potential liability on a target property resulting from past activities. EDRs Historical Topo Map Report includes a search of a collection of public and private color historical topographic maps, dating back to the late 1800s.

Search Results:		*Coordinates:*	
P.O.#	NA	**Latitude:**	34.033451 34° 2' 0" North
Project:	3666	**Longitude:**	-118.239167 -118° 14' 21" West
		UTM Zone:	Zone 11 North
		UTM X Meters:	385607.13
		UTM Y Meters:	3766557.36
		Elevation:	246.00' above sea level

Maps Provided:

2018	1928
2015	1900
2012	1896
1991, 1994	1894
1981	
1972	
1966	
1953	

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Topo Sheet Key

This EDR Topo Map Report is based upon the following USGS topographic map sheets.

2018 Source Sheets



Los Angeles
2018
7.5-minute, 24000



Hollywood
2018
7.5-minute, 24000

2015 Source Sheets



Los Angeles
2015
7.5-minute, 24000



Hollywood
2015
7.5-minute, 24000

2012 Source Sheets



Los Angeles
2012
7.5-minute, 24000



Hollywood
2012
7.5-minute, 24000

1991, 1994 Source Sheets



Hollywood
1991
7.5-minute, 24000
Aerial Photo Revised 1978



Los Angeles
1994
7.5-minute, 24000
Aerial Photo Revised 1978

Topo Sheet Key

This EDR Topo Map Report is based upon the following USGS topographic map sheets.

1981 Source Sheets



Hollywood
1981
7.5-minute, 24000
Aerial Photo Revised 1978



Los Angeles
1981
7.5-minute, 24000
Aerial Photo Revised 1978

1972 Source Sheets



Los Angeles
1972
7.5-minute, 24000
Aerial Photo Revised 1972



Hollywood
1972
7.5-minute, 24000
Aerial Photo Revised 1972

1966 Source Sheets



Hollywood
1966
7.5-minute, 24000
Aerial Photo Revised 1964



Los Angeles
1966
7.5-minute, 24000
Aerial Photo Revised 1964

1953 Source Sheets



Hollywood
1953
7.5-minute, 24000
Aerial Photo Revised 1952



Los Angeles
1953
7.5-minute, 24000
Aerial Photo Revised 1952

Topo Sheet Key

This EDR Topo Map Report is based upon the following USGS topographic map sheets.

1928 Source Sheets



Los Angeles
1928
7.5-minute, 24000

1900 Source Sheets



Pasadena
1900
15-minute, 62500



Los Angeles
1900
15-minute, 62500

1896 Source Sheets

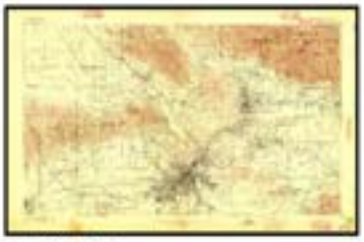


Santa Monica
1896
15-minute, 62500



Pasadena
1896
15-minute, 62500

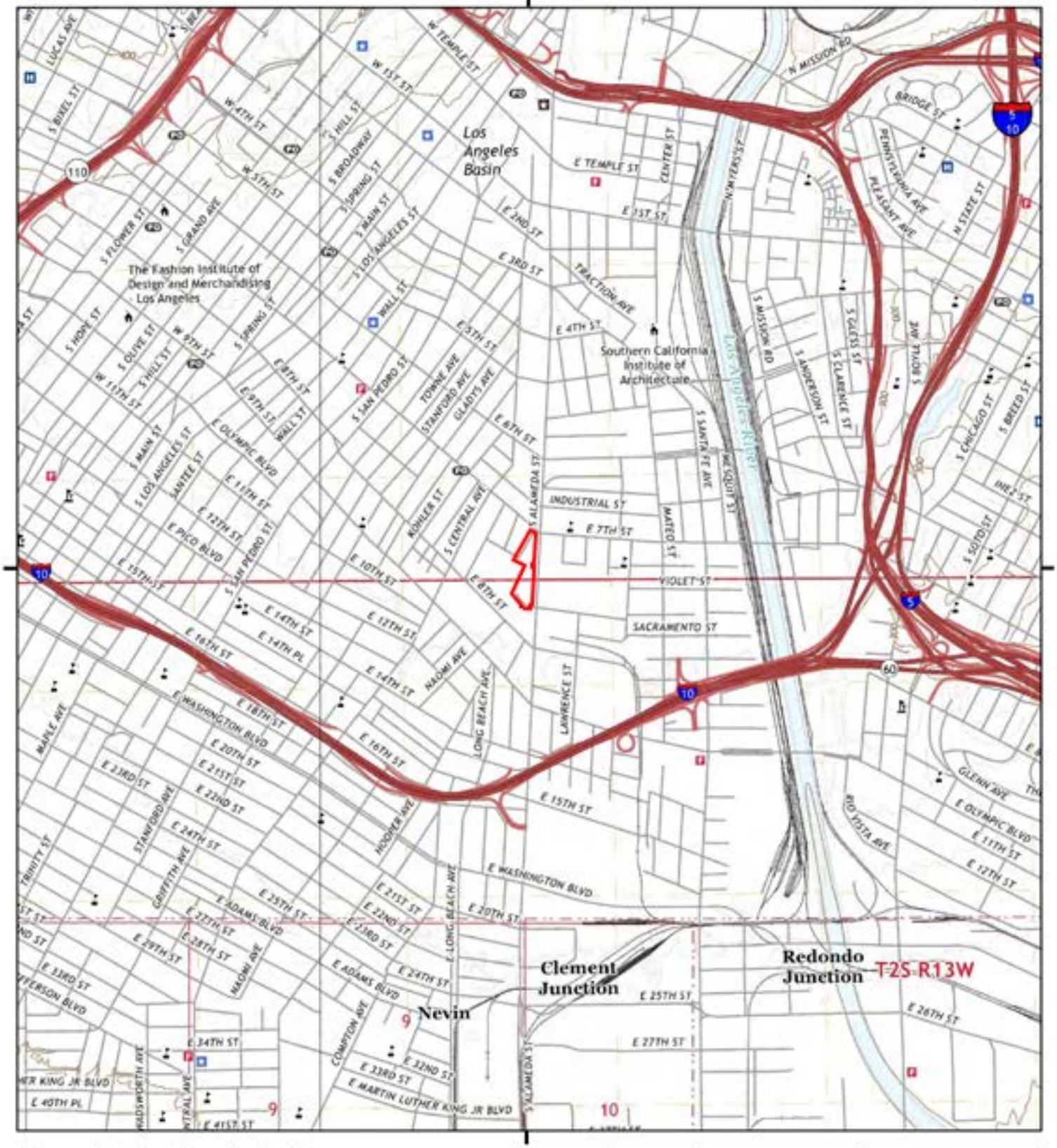
1894 Source Sheets



Los Angeles
1894
15-minute, 62500

Historical Topo Map

2018



This report includes information from the following map sheet(s).

0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, Los Angeles, 2018, 7.5-minute
NW, Hollywood, 2018, 7.5-minute

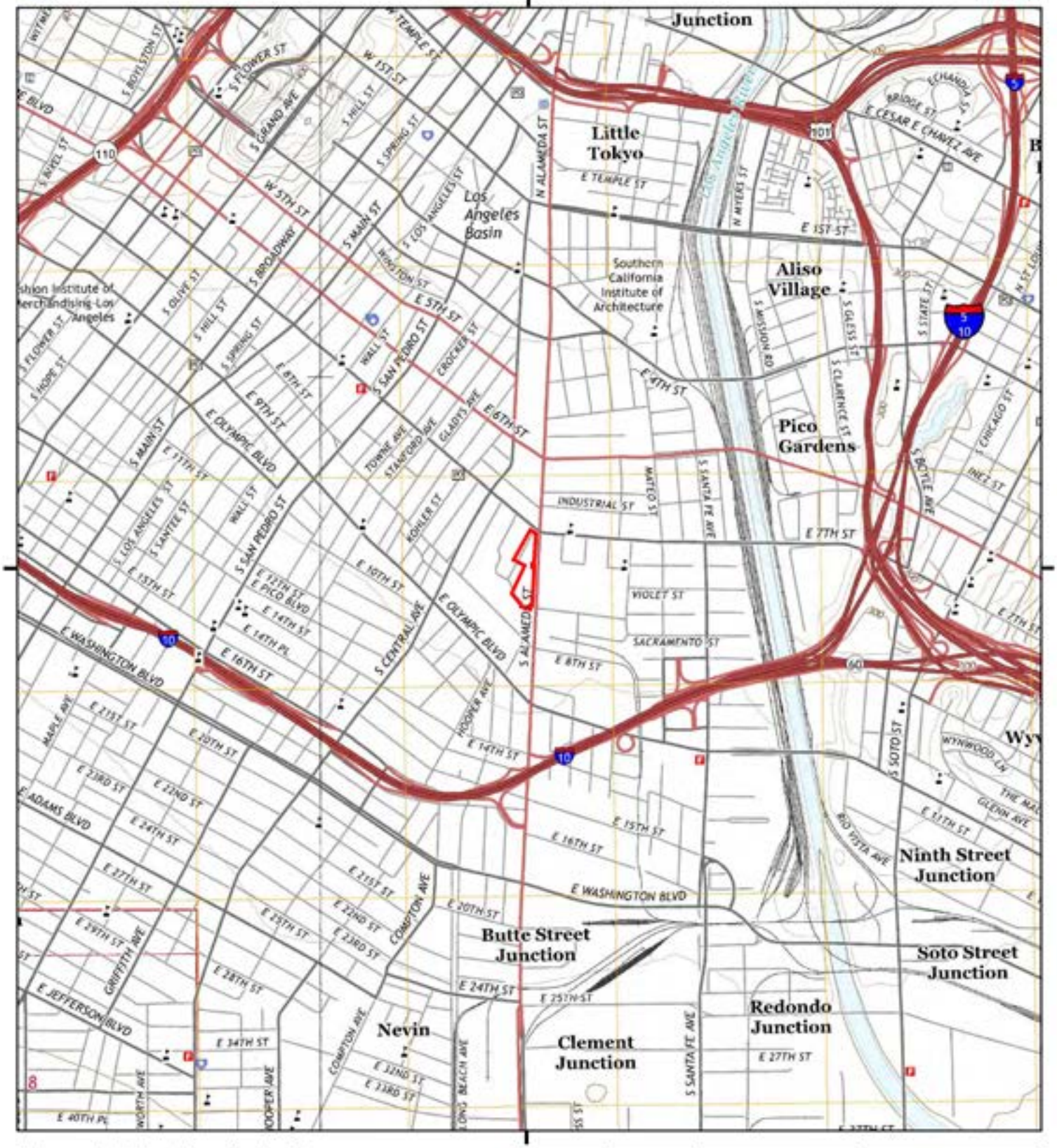
SITE NAME: 3666
ADDRESS: 777 S Alameda Street
Los Angeles, CA 90021
CLIENT: California Environmental

N

EDR

Historical Topo Map

2015



This report includes information from the following map sheet(s).

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NW N NE
W E
SW S SE

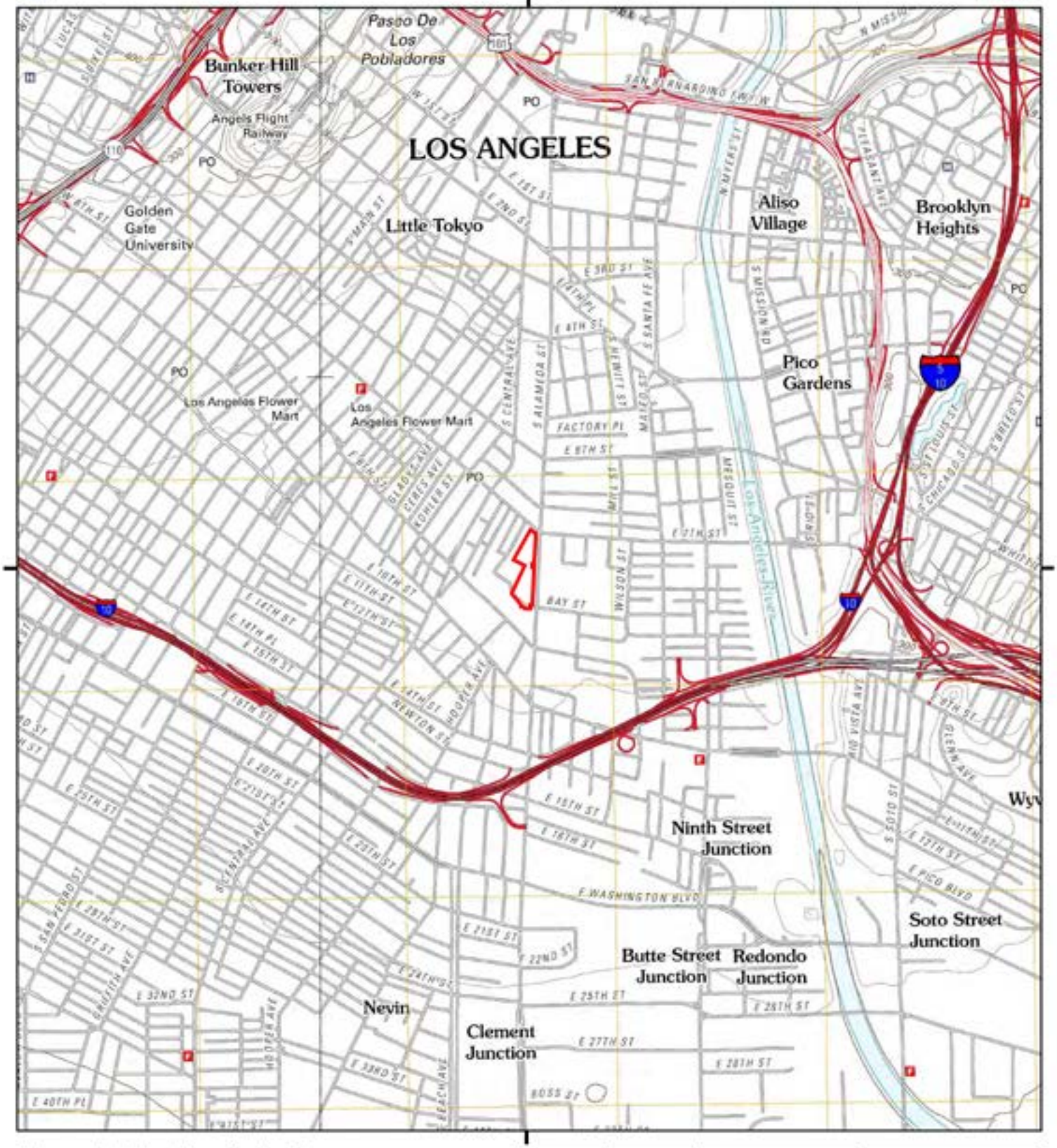
TP, Los Angeles, 2015, 7.5-minute
NW, Hollywood, 2015, 7.5-minute

SITE NAME: 3666
ADDRESS: 777 S Alameda Street
Los Angeles, CA 90021
CLIENT: California Environmental

N

Historical Topo Map

2012



This report includes information from the following map sheet(s).

0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, Los Angeles, 2012, 7.5-minute
NW, Hollywood, 2012, 7.5-minute

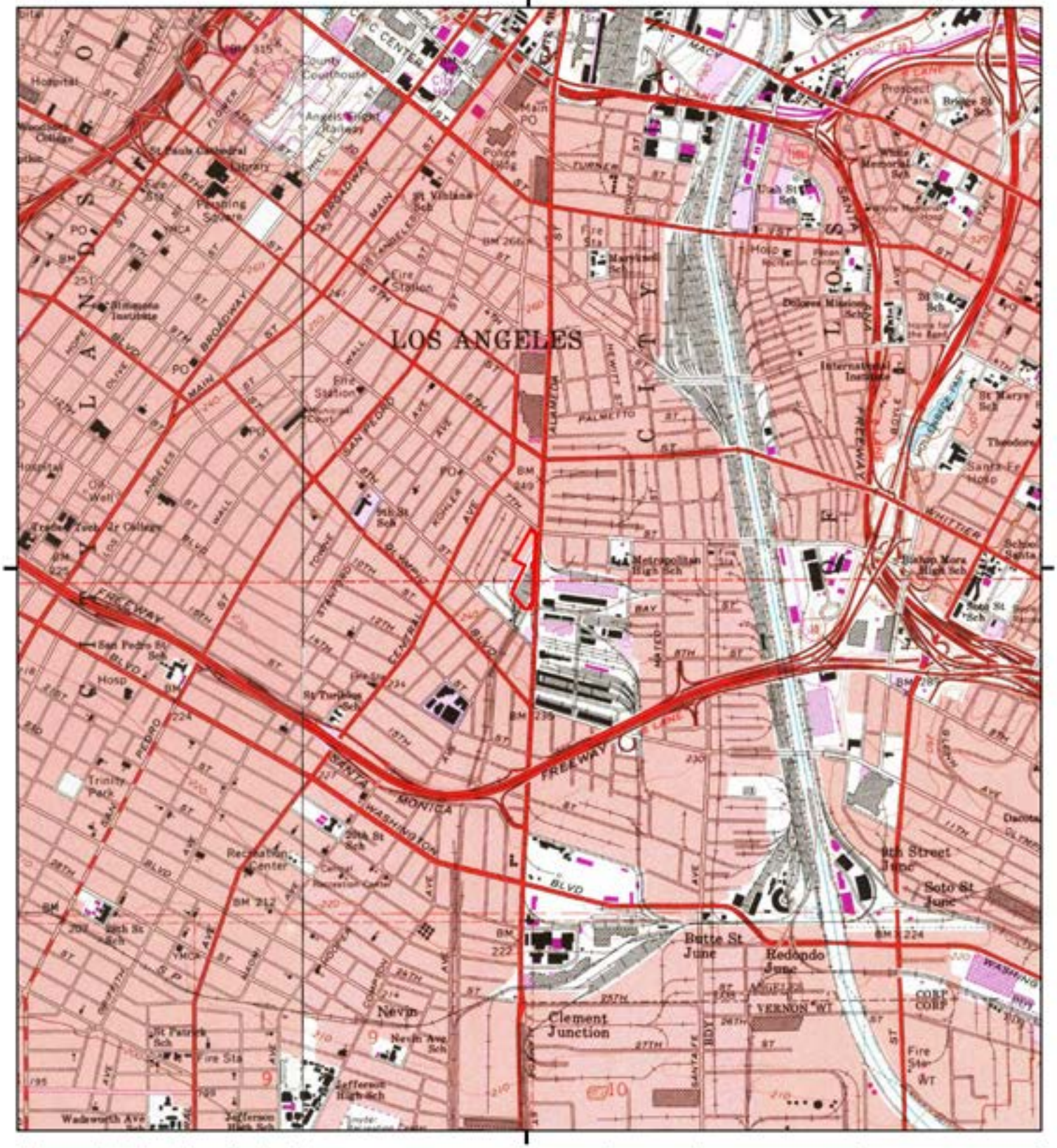
SITE NAME: 3666
ADDRESS: 777 S Alameda Street
Los Angeles, CA 90021
CLIENT: California Environmental

N

EDR

Historical Topo Map

1991, 1994



This report includes information from the following map sheet(s).

0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, Los Angeles, 1994, 7.5-minute
NW, Hollywood, 1991, 7.5-minute

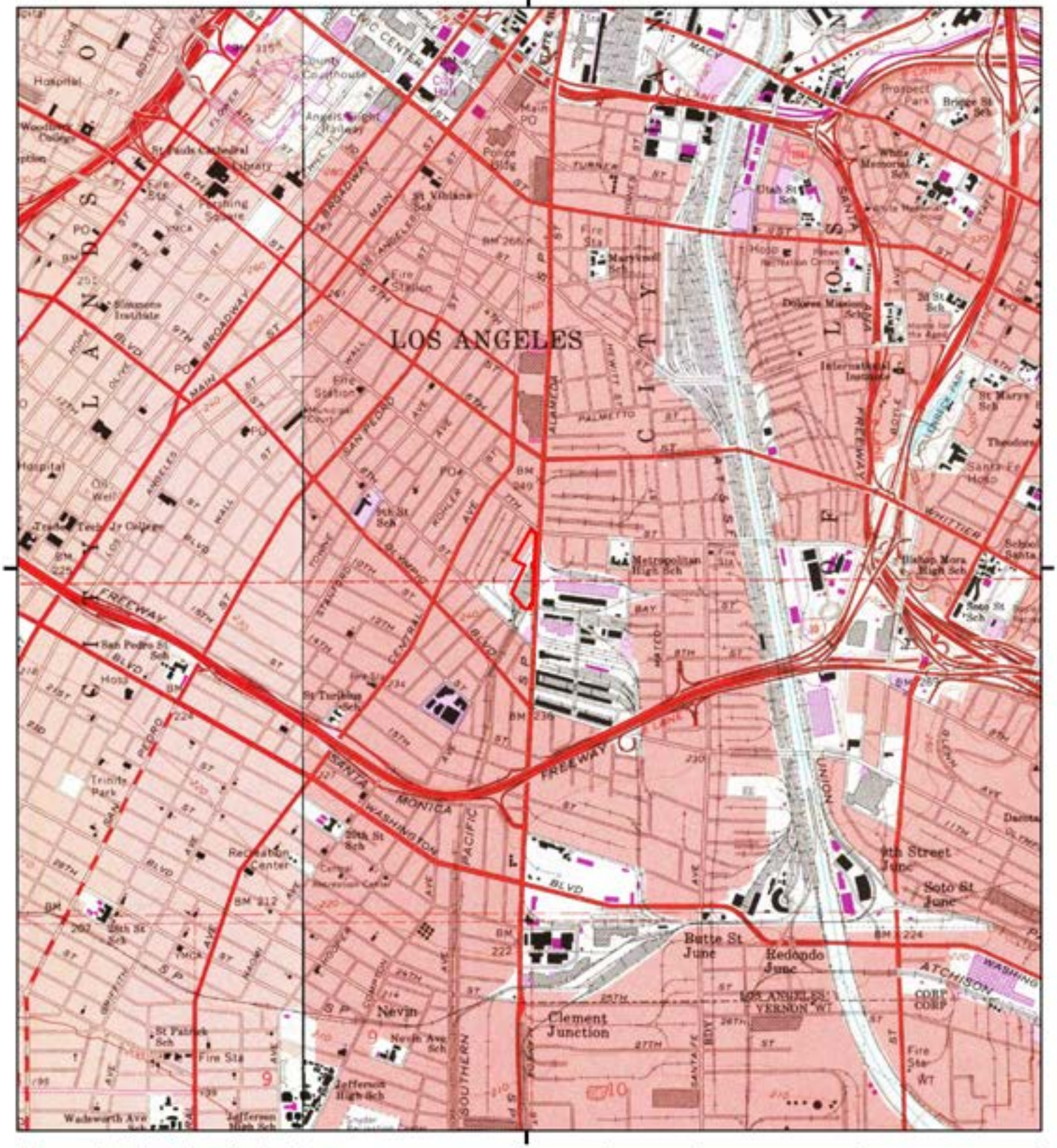
SITE NAME: 3666
ADDRESS: 777 S Alameda Street
Los Angeles, CA 90021
CLIENT: California Environmental

N

EDR

Historical Topo Map

1981



This report includes information from the following map sheet(s).

0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, Los Angeles, 1981, 7.5-minute
NW, Hollywood, 1981, 7.5-minute

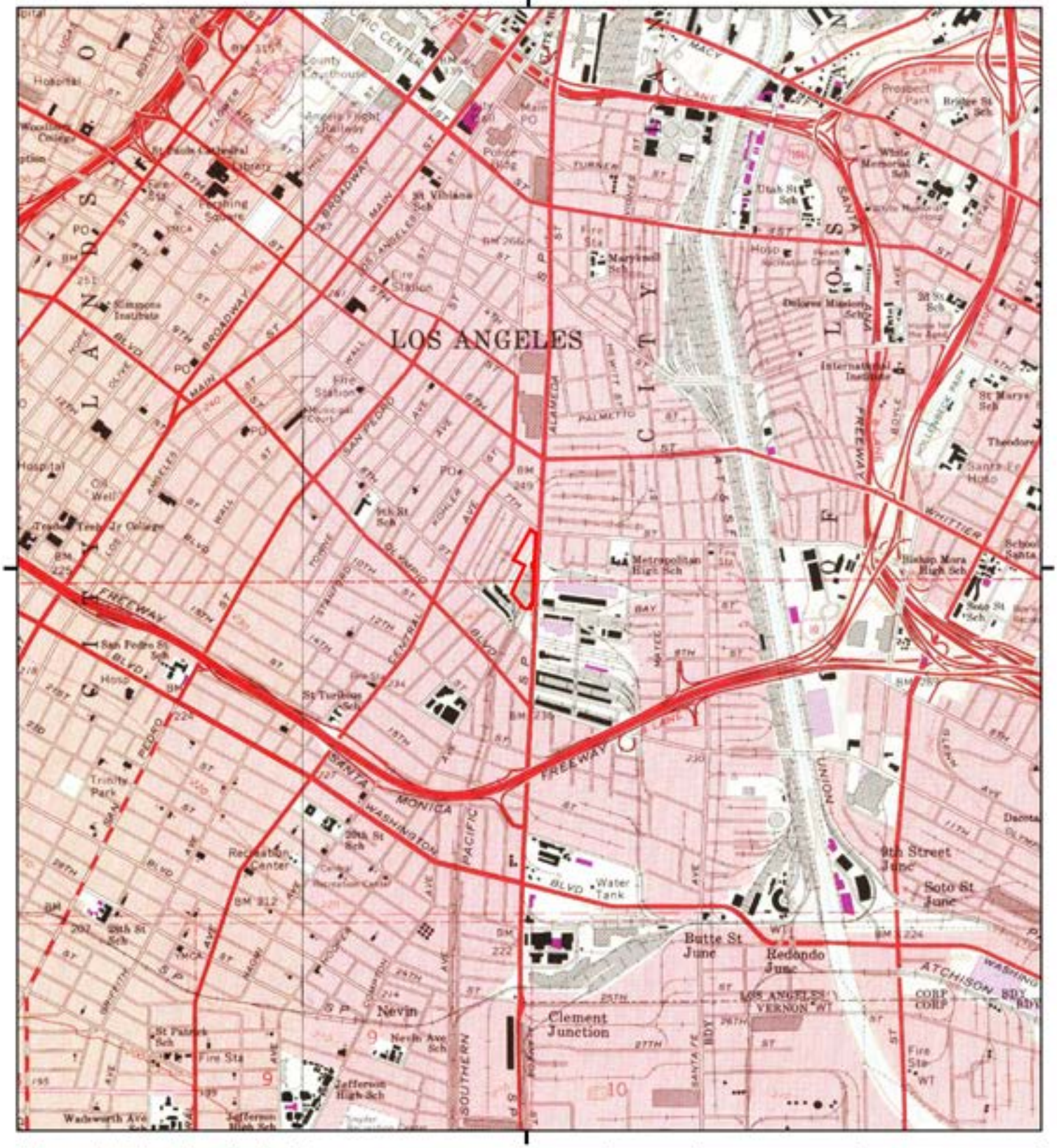
SITE NAME: 3666
ADDRESS: 777 S Alameda Street
Los Angeles, CA 90021
CLIENT: California Environmental

N

EDR

Historical Topo Map

1972



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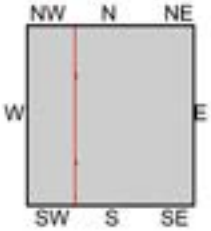
0 Miles 0.25 0.5 1 1.5



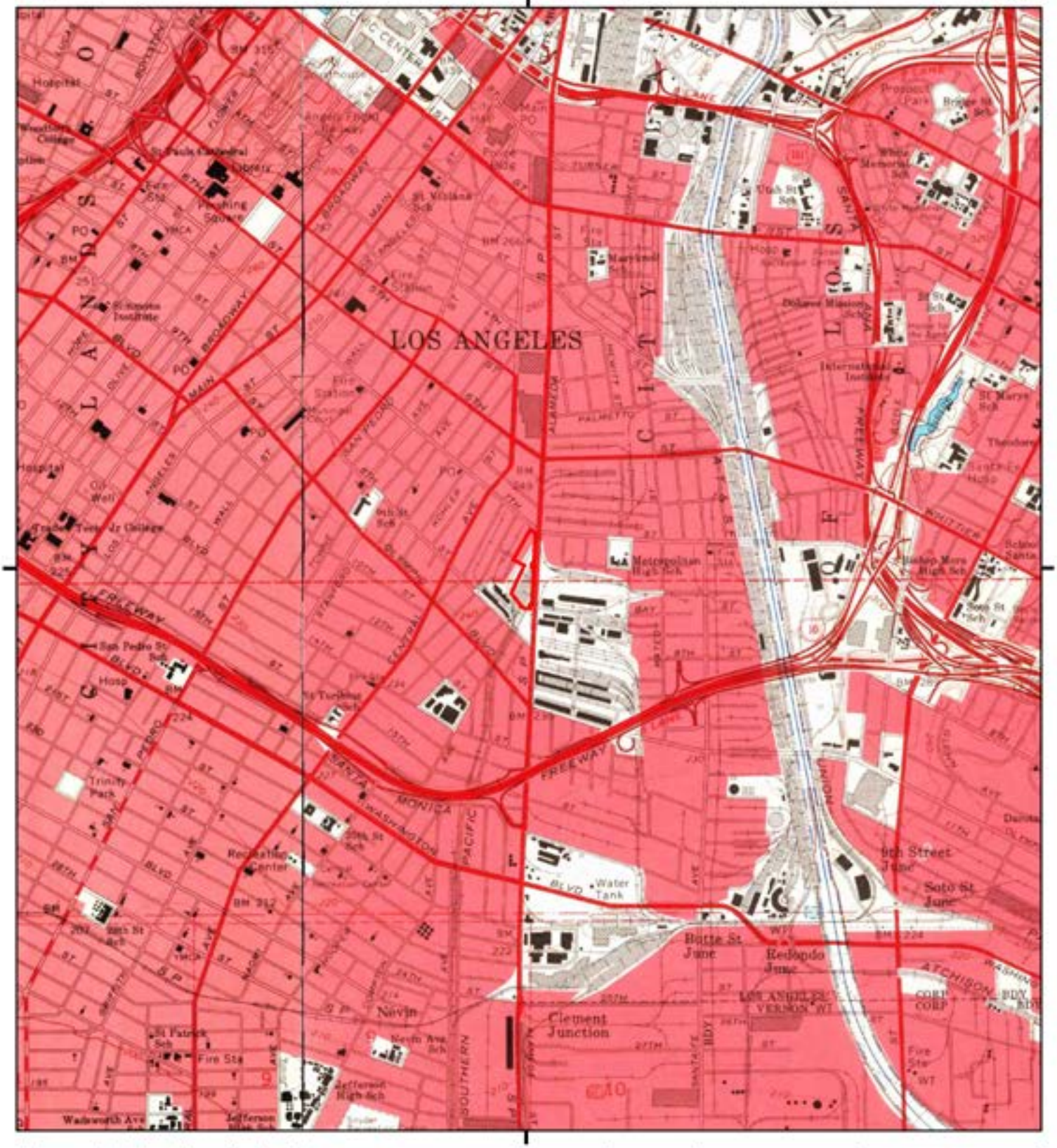
TP, Los Angeles, 1972, 7.5-minute
NW, Hollywood, 1972, 7.5-minute

SITE NAME: 3666
ADDRESS: 777 S Alameda Street
Los Angeles, CA 90021
CLIENT: California Environmental

N

Historical Topo Map

1966



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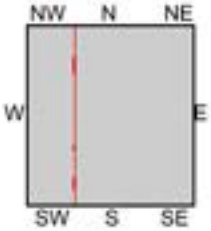
0 Miles 0.25 0.5 1 1.5



TP, Los Angeles, 1966, 7.5-minute
NW, Hollywood, 1966, 7.5-minute

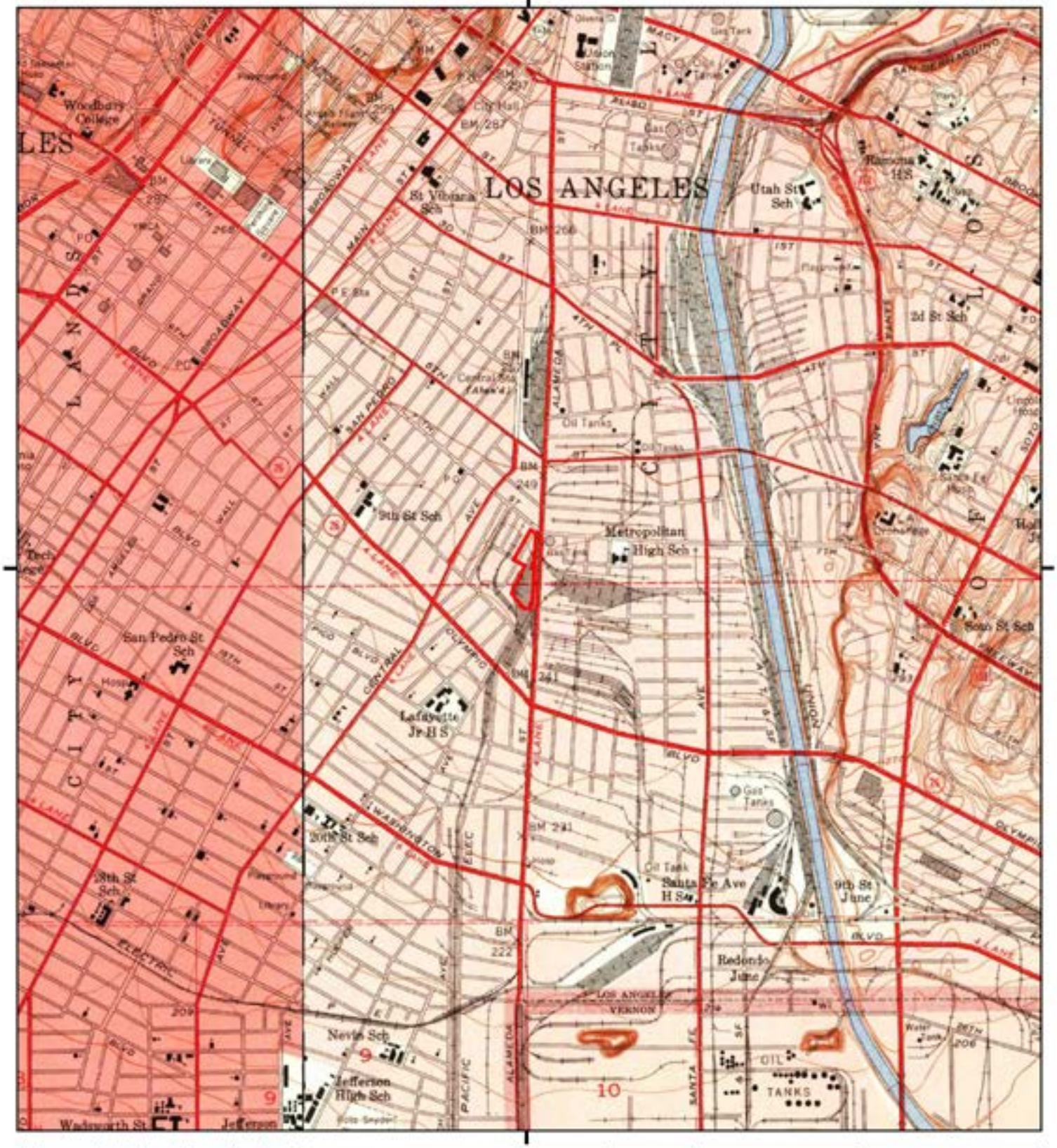
SITE NAME: 3666
ADDRESS: 777 S Alameda Street
Los Angeles, CA 90021
CLIENT: California Environmental

N

EDR

Historical Topo Map

1953



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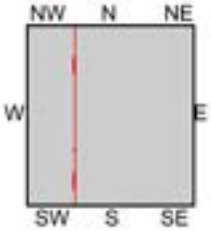
0 Miles 0.25 0.5 1 1.5



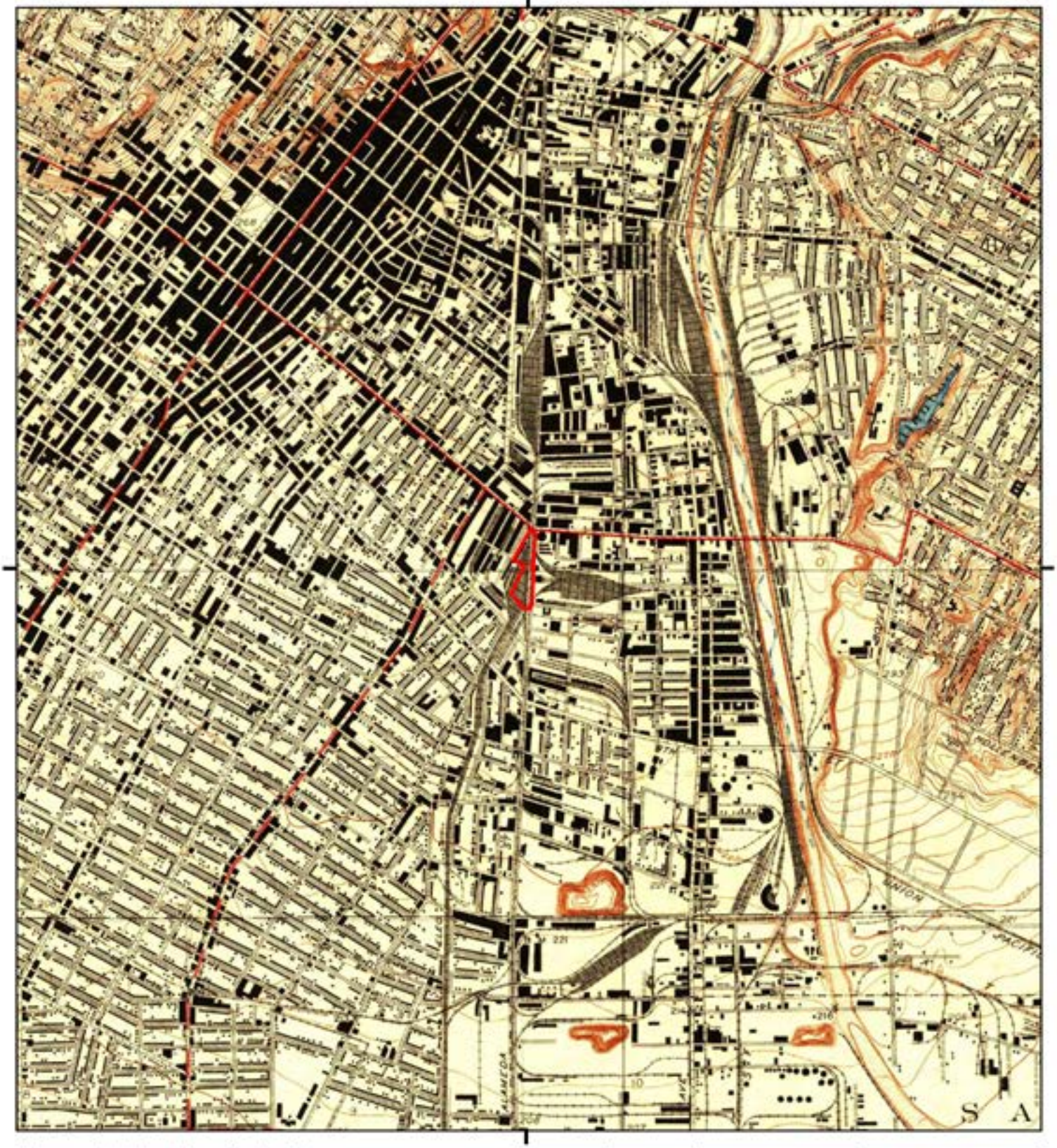
TP, Los Angeles, 1953, 7.5-minute
NW, Hollywood, 1953, 7.5-minute

SITE NAME: 3666
ADDRESS: 777 S Alameda Street
Los Angeles, CA 90021
CLIENT: California Environmental

N

Historical Topo Map

1928



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0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

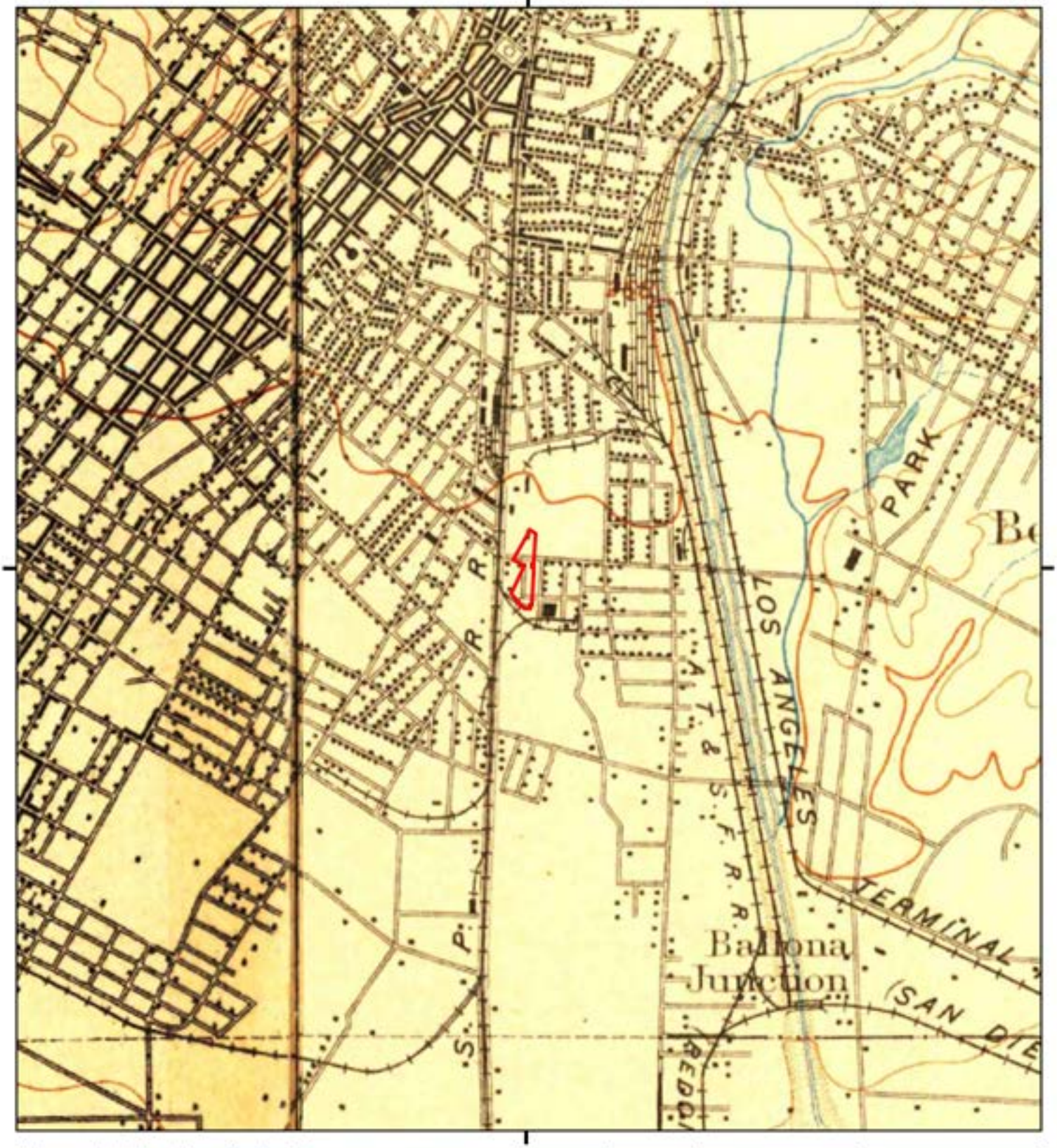
TP, Los Angeles, 1928, 7.5-minute

SITE NAME: 3666
ADDRESS: 777 S Alameda Street
Los Angeles, CA 90021
CLIENT: California Environmental

N

Historical Topo Map

1900



This report includes information from the following map sheet(s).

0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

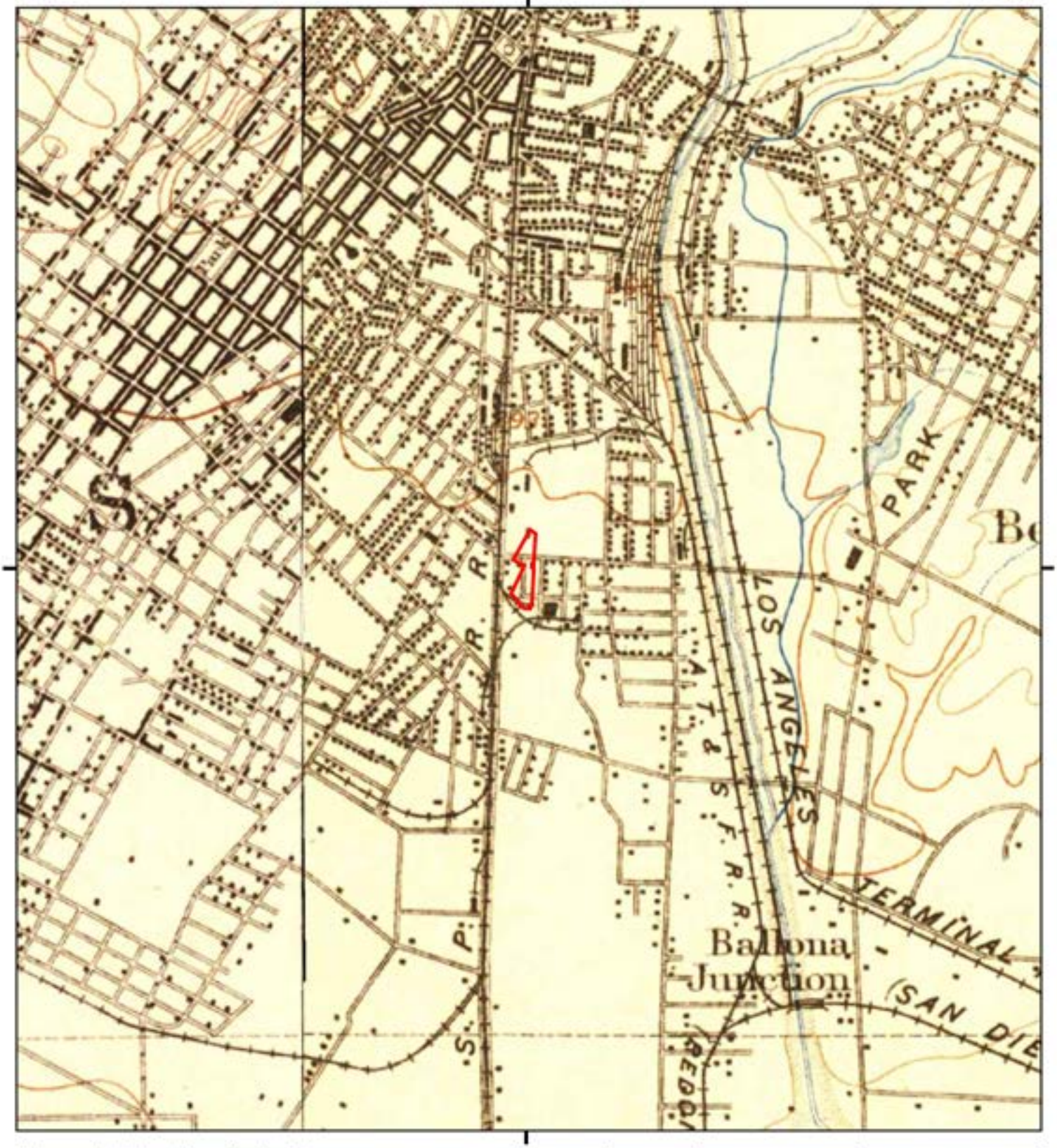
TP, Pasadena, 1900, 15-minute
TP, Los Angeles, 1900, 15-minute

SITE NAME: 3666
ADDRESS: 777 S Alameda Street
Los Angeles, CA 90021
CLIENT: California Environmental

N

Historical Topo Map

1896



This report includes information from the following map sheet(s).

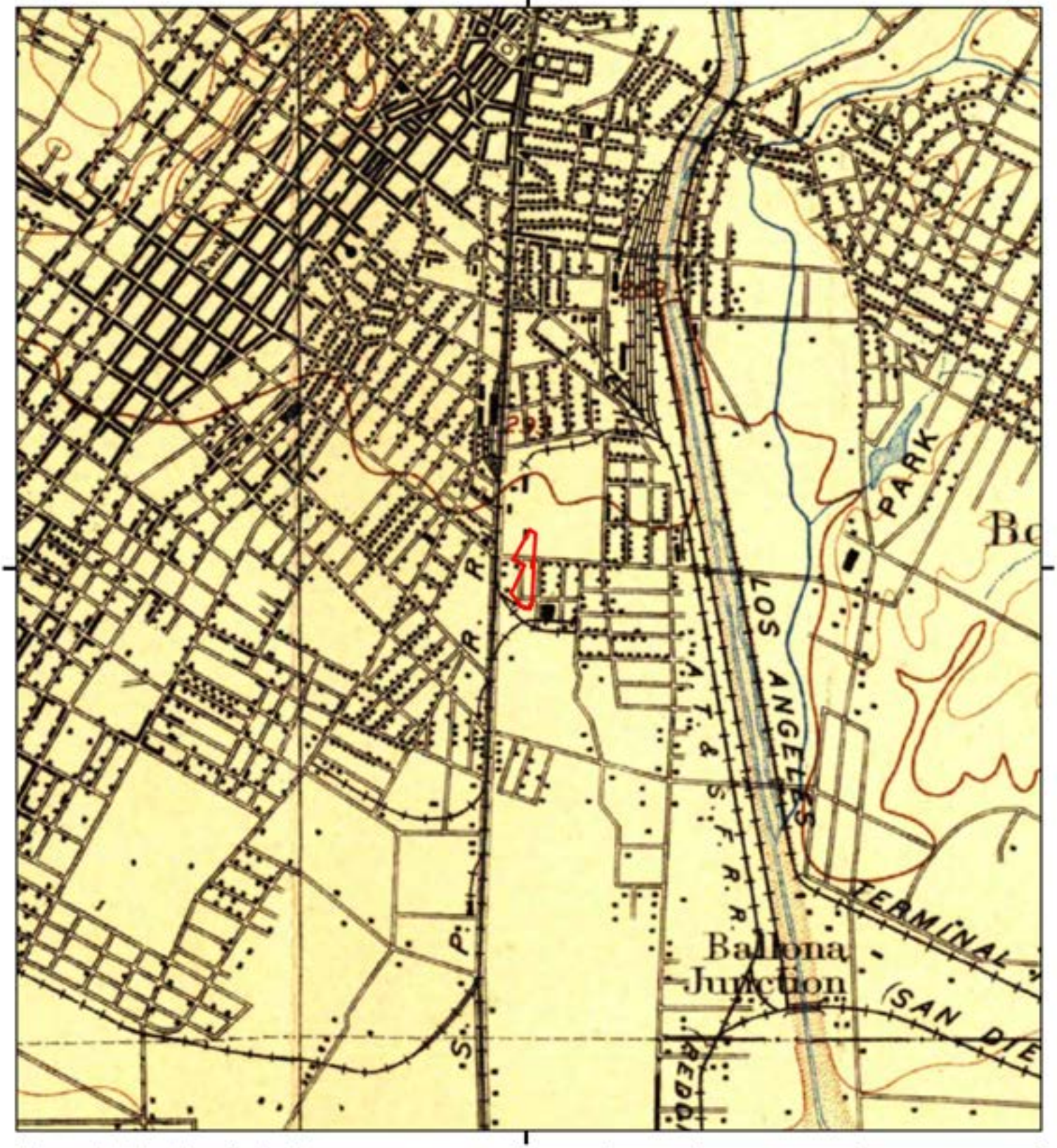
0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, Pasadena, 1896, 15-minute
NW, Santa Monica, 1896, 15-minute

SITE NAME: 3666
ADDRESS: 777 S Alameda Street
Los Angeles, CA 90021
CLIENT: California Environmental

N



This report includes information from the following map sheet(s).

0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, Los Angeles, 1894, 15-minute

SITE NAME: 3666
ADDRESS: 777 S Alameda Street
Los Angeles, CA 90021
CLIENT: California Environmental

N

APPENDIX III

EDR Radius Map with GeoCheck

3666
777 S Alameda Street
Los Angeles, CA 90021

Inquiry Number: 7277931.2s
March 14, 2023

The EDR Radius Map™ Report with GeoCheck®

6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

TABLE OF CONTENTS

SECTION	PAGE
Executive Summary	ES1
Overview Map	2
Detail Map	3
Map Findings Summary	4
Map Findings	9
Orphan Summary	1202
Government Records Searched/Data Currency Tracking	GR-1

GEOCHECK ADDENDUM

Physical Setting Source Addendum	A-1
Physical Setting Source Summary	A-2
Physical Setting Source Map	A-9
Physical Setting Source Map Findings	A-10
Physical Setting Source Records Searched	PSGR-1

Thank you for your business.
Please contact EDR at 1-800-352-0050
with any questions or comments.

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EXECUTIVE SUMMARY

A search of available environmental records was conducted by Environmental Data Resources, Inc (EDR). The report was designed to assist parties seeking to meet the search requirements of EPA's Standards and Practices for All Appropriate Inquiries (40 CFR Part 312), the ASTM Standard Practice for Environmental Site Assessments (E1527-21), the ASTM Standard Practice for Environmental Site Assessments for Forestland or Rural Property (E 2247-16), the ASTM Standard Practice for Limited Environmental Due Diligence: Transaction Screen Process (E 1528-14) or custom requirements developed for the evaluation of environmental risk associated with a parcel of real estate.

TARGET PROPERTY INFORMATION

ADDRESS

777 S ALAMEDA STREET
LOS ANGELES, CA 90021

COORDINATES

Latitude (North):	34.0334510 - 34° 2' 0.42"
Longitude (West):	118.2391670 - 118° 14' 21.00"
Universal Tranverse Mercator:	Zone 11
UTM X (Meters):	385604.6
UTM Y (Meters):	3766362.8
Elevation:	246 ft. above sea level

USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map:	12021699 LOS ANGELES, CA
Version Date:	2018
Northwest Map:	12021991 HOLLYWOOD, CA
Version Date:	2018

AERIAL PHOTOGRAPHY IN THIS REPORT

Portions of Photo from:	20140513
Source:	USDA

MAPPED SITES SUMMARY

Target Property Address:
777 S ALAMEDA STREET
LOS ANGELES, CA 90021

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
A1	ALAMEDA SQUARE MARKE	777 SOUTH ALAMEDA ST	NPDES, CIWQS		TP
A2	ALAMEDA SQUARE OWNER	777 S ALAMEDA, # 100	HWTS		TP
B3		760 WAREHOUSE ST	UST	Higher	16, 0.003, WNW
A4		765 WAREHOUSE	UST	Higher	19, 0.004, WNW
C5	VALLEY FRUIT & PRODU	746 S ALAMEDA ST	HAZMAT	Lower	65, 0.012, SSE
C6	MUTUAL LIQUID GAS/EQ	744 S ALAMEDA ST	SWEEPS UST, CA FID UST, HAZMAT	Lower	67, 0.013, SSE
B7		749 WAREHOUSE ST	UST	Higher	68, 0.013, WNW
C8	STATE WIDE SALES, IN	742 S ALAMEDA ST	UST	Lower	68, 0.013, SSE
C9	STATE WIDE SALES CO.	742 S ALAMEDA ST	HIST UST	Lower	68, 0.013, SSE
C10	STATE WIDE SALES COM	742 S ALAMEDA ST	SWEEPS UST, HIST UST, CA FID UST, HAZMAT	Lower	68, 0.013, SSE
C11		740-748 S ALAMEDA ST	UST	Lower	71, 0.013, SSE
C12		748 S ALAMEDA ST	UST	Lower	74, 0.014, SSE
D13	SUBURBAN PROPANE	700 S ALAMEDA ST	HAZMAT	Higher	75, 0.014, NNE
D14	SUBURBAN PROPANE	700 S ALAMEDA ST	UST	Higher	75, 0.014, NNE
B15	E C I PRINTING	747 WAREHOUSE ST	RCRA-SQG, FINDS, ECHO	Higher	76, 0.014, WNW
B16	AMERICAN APPAREL	747 WAREHOUSE ST	HAZMAT	Higher	76, 0.014, WNW
A17		728 S ALAMEDA ST	UST	Higher	100, 0.019, NE
D18	CURTIN JOS	1525 E 7TH ST	EDR Hist Auto	Higher	112, 0.021, NNE
A19	LUXE SEAFOOD CO	732 S ALAMEDA ST	HAZMAT	Higher	117, 0.022, NE
D20	MCDONALD'S #18368	690 S ALAMEDA ST	HAZMAT, CERS	Higher	170, 0.032, NNE
E21	JONES C A	1389 E 7TH ST	EDR Hist Auto	Higher	189, 0.036, North
E22	NEWMAN BROS INC	1387 E 7TH ST	EDR Hist Auto	Higher	195, 0.037, North
B23	UNITED SIGNATURE FOO	34.034372/-118.24073	PFAS ECHO	Higher	295, 0.056, NW
E24	K H WILEY TRUCKING C	1340 E INDUSTRIAL ST	HAZMAT	Higher	305, 0.058, North
F25	WESTERN WAREHOUSING	780 S ALAMEDA	HIST UST	Lower	313, 0.059, South
F26	ADOLPH COORS COMAPAN	780 S ALAMEDA ST	SWEEPS UST, CA FID UST, HAZMAT	Lower	313, 0.059, South
G27	PAB PRODUCE INC	730 S ALAMEDA ST BLD	HAZMAT	Lower	349, 0.066, ESE
G28		730 S ALAMEDA ST	UST	Lower	349, 0.066, ESE
F29	ALAMEDA SQUARE OWNER	767 S ALAMEDA ST	CERS HAZ WASTE, CERS TANKS, HAZNET, HAZMAT, CERS	Lower	355, 0.067, South
F30	THE ROW	767 S ALAMEDA ST	UST	Lower	355, 0.067, South
E31	COMMERCIAL SUPER SER	1345 E 7TH ST	HIST UST	Higher	359, 0.068, North
E32	COMMERCIAL SUPER SER	1345 EAST SEVENTH ST	HIST UST	Higher	359, 0.068, North
E33	COMMERCIAL SUPER SER	1345 E 7TH ST	UST	Higher	359, 0.068, North
E34	COMMERCIAL SUPER SER	1345 E 7TH ST	EDR Hist Auto	Higher	359, 0.068, North
E35	COMMERCIAL SUPER SER	1345 E 7TH ST	SWEEPS UST, CA FID UST, HAZMAT	Higher	359, 0.068, North
H36	AVA ARTS DISTRICT	668 S. ALAMEDA STREE	RCRA NonGen / NLR	Higher	367, 0.070, NNE
H37	SHOWA MARINE AND COL	668 S ALAMEDA ST	NPDES, HAZMAT, WDS, CIWQS, CERS	Higher	367, 0.070, NNE
H38	AVA ARTS DISTRICT, L	668 S ALAMEDA ST	RCRA NonGen / NLR	Higher	367, 0.070, NNE
I39	LOS ANGELES SIGNAL D		ENVIROSTOR	Higher	387, 0.073, West

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I40	LOS ANGELES SIGNAL D		FUDS	Higher	390, 0.074, West
J41	GREYHOUND	725 S CHANNING ST	HAZMAT	Higher	403, 0.076, NE
J42	ALAMEDA LAMGP SITE	725 CHANNING ST	RCRA NonGen / NLR	Higher	403, 0.076, NE
J43		725 CHANNING ST	UST	Higher	403, 0.076, NE
J44	SO CAL GAS/LA-ALAMED	725 CHANNING STREET	EDR MGP	Higher	403, 0.076, NE
J45	GREYHOUND	725 S CHANNING ST	UST	Higher	403, 0.076, NE
J46	FARMERS PRODUCE PROJ	725 CHANNING ST	ENVIROSTOR, VCP, SWEEPS UST, CA FID UST, NPDES	Higher	403, 0.076, NE
K47		710 TERMINAL ST	UST	Higher	428, 0.081, NNW
E48	TEXACO TRUCK STOP (F	1345 007TH ST E	LUST, Cortese, HIST CORTESE, CERS	Higher	444, 0.084, NNW
E49	NEWMAN GERTRUDE MRS	1339 E 7TH ST	EDR Hist Auto	Higher	470, 0.089, North
L50	S E RYKOFF & CO	737 S TERMINAL ST	UST	Higher	472, 0.089, NW
L51	UNITED SIGNATURE FOO	737 TERMINAL ST	RCRA-SQG	Higher	472, 0.089, NW
L52	S E RYKOFF & CO	737 S TERMINAL ST	HAZMAT	Higher	472, 0.089, NW
L53		761 TERMINAL ST	UST	Higher	490, 0.093, WNW
L54	S E RYKOFF & CO	761 S TERMINAL ST	UST	Higher	490, 0.093, WNW
L55	S E RYKOFF CO	761 TERMINAL ST	RCRA-SQG, HIST UST	Higher	490, 0.093, WNW
L56	S E RYKOFF & COMPANY	761 TERMINAL ST	SWEEPS UST, HIST UST, CA FID UST, HAZNET, HWTS	Higher	490, 0.093, WNW
L57	S E RYKOFF CO	761 TERMINAL ST	RCRA-SQG, FINDS, ECHO	Higher	490, 0.093, WNW
M58	PLANTZ O H	1532 E 8TH ST	EDR Hist Auto	Lower	502, 0.095, WSW
N59	MAP WAREHOUSE INC	800 MCGARRY ST	SWEEPS UST, CA FID UST	Lower	503, 0.095, South
N60		800 S MC GARRY ST	UST	Lower	503, 0.095, South
61	OLYMPIC PLATING AND	843 SO NAOMI AVE	RCRA-SQG, RAATS, FINDS, ECHO	Lower	507, 0.096, SSW
J62	GREYHOUND LINES INC	GREYHOUND LINES INC	RCRA NonGen / NLR	Higher	512, 0.097, NE
63	NEWMAN C K	1337 E 7TH ST	EDR Hist Auto	Higher	516, 0.098, North
G64	J . HELLMAN PRODUCE	734 S ALAMEDA ST	HAZMAT	Lower	519, 0.098, ESE
K65		1366 E 7TH ST	UST	Higher	523, 0.099, NNW
M66	TRUCKMENS CENTER INC	1520 E 8TH ST	EDR Hist Auto	Lower	527, 0.100, WSW
M67		1520 E 8TH ST	UST	Lower	527, 0.100, WSW
N68	CHAFFEE WAREHOUSE	810 S MCGARRY ST	HAZMAT	Lower	537, 0.102, South
I69		775 TERMINAL ST	UST	Higher	538, 0.102, West
H70	PUREX CORP TURCO PRO	INDUSTRIAL ST	SEMS-ARCHIVE	Higher	570, 0.108, NNE
J71	GREYHOUND LINES INC	1614 E 7TH ST	RCRA-SQG, UST, AST, HIST UST, FINDS, ECHO,...	Higher	602, 0.114, ENE
J72	GREYHOUND LINES INC	1614 E 7TH ST	HAZNET, HAZMAT, HWTS	Higher	602, 0.114, ENE
J73	GREYHOUND LINES, INC	1614 EAST 7TH STREET	UST	Higher	602, 0.114, ENE
J74	GREYHOUND LINES INC	1614 E 7TH ST	LUST, HIST UST	Higher	602, 0.114, ENE
J75	GREYHOUND LINES INC.	1614 E 7TH ST	CERS HAZ WASTE, SWEEPS UST, CERS TANKS, CA FID...	Higher	602, 0.114, ENE
J76	GREYHOUND LINES INC.	1614 E 7TH ST	UST	Higher	602, 0.114, ENE
J77	GREYHOUND LINES, INC	1614 EAST 7TH STREET	AST	Higher	602, 0.114, ENE
H78	CAMDEN USA, INC.	1525 INDUSTRIAL STRE	RCRA NonGen / NLR	Higher	609, 0.115, NNE

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H79		1525 INDUSTRIAL ST	UST	Higher	609, 0.115, NNE
H80	CAMDEN USA, INC.	1525 INDUSTRIAL STRE	RCRA NonGen / NLR	Higher	609, 0.115, NNE
H81	CAMDEN USA, INC.	1525 INDUSTRIAL STRE	RCRA NonGen / NLR	Higher	609, 0.115, NNE
H82	UNION CENTRAL COLD S	1525 INDUSTRIAL STRE	RCRA-SQG, FINDS, ECHO	Higher	609, 0.115, NNE
K83	ALAMEDA SQUARE	1318 E 7TH ST STE 20	RCRA-SQG, FINDS, ECHO	Higher	610, 0.116, NNW
K84	7TH ST MARKET	1318 E 7TH ST	HAZMAT, CERS	Higher	610, 0.116, NNW
K85	ALAMEDA SQUARE OWNER	1318 E 7TH ST STE 20	RCRA NonGen / NLR	Higher	610, 0.116, NNW
O86		1538 INDUSTRIAL ST	UST	Higher	615, 0.116, NE
O87	AVA ARTS DISTRICT	1540 INDUSTRIAL ST	RCRA NonGen / NLR	Higher	632, 0.120, NE
O88		1548 INDUSTRIAL ST	UST	Higher	695, 0.132, NE
P89		1229 WHOLESALE ST	UST	Higher	705, 0.134, NNE
Q90	SUN TOME CO	1804 E 8TH ST	SWEEPS UST, CA FID UST	Lower	710, 0.134, South
Q91		1804 E 8TH ST	UST	Lower	710, 0.134, South
N92	CHAFFEE WHOLESALE	800 S ALAMEDA ST	SWEEPS UST	Lower	711, 0.135, South
P93		608 S ALAMEDA ST	UST	Higher	719, 0.136, North
P94		1248 WHOLESALE ST	UST	Higher	723, 0.137, NNE
95		719 LAWRENCE ST	UST	Higher	761, 0.144, ENE
R96		746 S CENTRAL AVE	UST	Higher	832, 0.158, NW
O97	ALL NU ICE CO INC	1549 INDUSTRIAL ST	RCRA NonGen / NLR, FINDS, ECHO, HAZNET, HWTS	Higher	844, 0.160, NE
S98		1400 E 8TH ST	UST	Lower	850, 0.161, West
T99		1024 LAWRENCE ST	UST	Lower	868, 0.164, SE
O100	CUTTER LABORATORY	1630 INDUSTRIAL WAY	SWEEPS UST	Higher	868, 0.164, NE
U101	IRVING S YORK	1570 E INDUSTRIAL ST	SWEEPS UST, CA FID UST	Higher	885, 0.168, NE
U102		1570 E INDUSTRIAL ST	UST	Higher	885, 0.168, NE
V103	CHEMICAL TRANSFER CO	2000 E. 8TH STREET	RCRA NonGen / NLR	Lower	890, 0.169, SSE
V104	LOS ANGELES TIMES CO	2000 E 8TH ST	RCRA-SQG, ICIS, US AIRS	Lower	890, 0.169, SSE
V105	PROFESSIONAL COURIER	2000 E 8TH ST	RCRA NonGen / NLR	Lower	890, 0.169, SSE
V106	TIMES MIRROR CO, LOS	2000 E 8TH ST	CERS HAZ WASTE, CERS TANKS, EMI, HAZNET, HAZMAT,...	Lower	890, 0.169, SSE
V107	LOS ANGELES TIMES -	2000 E 8TH ST	UST	Lower	890, 0.169, SSE
V108	LOS ANGELES TIMES CO	2000 E 8TH ST	SWEEPS UST, CA FID UST, EMI, NPDES, WDS, CIWQS,...	Lower	890, 0.169, SSE
V109	LOS ANGELES TIMES, O	2000 E. 8TH STREET	ENVIROSTOR	Lower	890, 0.169, SSE
V110	LOS ANGELES TIMES OL	2000 E 8TH ST	UST	Lower	890, 0.169, SSE
W111	SILVESTRE`S TRANSPOR	721 S CENTRAL	RCRA NonGen / NLR	Higher	891, 0.169, NW
X112		1292-1298 WHOLESALE	UST	Higher	894, 0.169, NE
R113	PEARCES GARAGE INC	729 S CENTRAL AVE	HAZMAT	Higher	894, 0.169, NW
R114	PEARCE`S GARAGE INC	729 SO CENTRAL AVE	RCRA NonGen / NLR, FINDS, ECHO	Higher	894, 0.169, NW
Y115	ALLIED REFRIGERATION	917 E MCGARRY ST	HAZMAT	Lower	894, 0.169, SSW
R116		731 S CENTRAL AVE	UST	Higher	895, 0.170, NW
Y117	J&J DIESEL	919 MC GARRY	RCRA-SQG, FINDS, ECHO	Lower	902, 0.171, SSW

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Z118	LA WHOLESALE PRODUCE	1601 E OLYMPIC BLVD	RCRA NonGen / NLR	Lower	905, 0.171, SW
Z119	1601 EAST OLYMPIC BL	1601 EAST OLYMPIC BL	US BROWNFIELDS, FINDS	Lower	905, 0.171, SW
Z120	AMERICAN PRODUCE CO	1601 E OLYMPIC BLVD	UST	Lower	905, 0.171, SW
Z121	THE LOS ANGELES WHOL	1601 E OLYMPIC BLVD	HAZNET, HAZMAT, CERS, HWTS	Lower	905, 0.171, SW
Z122	LOS ANGELES WHOLESAL	1601 E OLYMPIC BLVD	CERS HAZ WASTE	Lower	905, 0.171, SW
AA123	TERMINAL HARDWARE CO	672 S CENTRAL AVE	HAZMAT	Higher	911, 0.173, NNW
R124	TIJUANA PRODUCE	733 S CENTRAL AVE	UST	Higher	912, 0.173, NW
R125	C E ENCELL	733 S CENTRAL AVE	SWEEPS UST, CA FID UST, HAZMAT	Higher	912, 0.173, NW
U126	UNION CENTRAL COLD S	1555 E INDUSTRIAL ST	HAZMAT	Higher	915, 0.173, NE
T127	POTATO SALES CO INC	1104 S LAWRENCE ST	HAZMAT	Lower	934, 0.177, SSE
S128		1340 E 8TH ST	UST	Lower	946, 0.179, West
129	SGS	739 DECATUR ST	HAZMAT	Lower	967, 0.183, East
T130	LOS ANGELES TIMES	1150 LAWRENCE ST	SWEEPS UST, CA FID UST	Lower	978, 0.185, SSE
T131		1150 LAWRENCE ST	UST	Lower	978, 0.185, SSE
AB132	L A WHOLESALE PRODUC	1602 E OLYMPIC BLVD	SWEEPS UST, CA FID UST	Lower	999, 0.189, SSW
AA133	TYRON CAMPBELL	1225 E 7TH ST.	RCRA NonGen / NLR	Higher	1010, 0.191, NNW
AA134		1225 E 7TH ST	UST	Higher	1010, 0.191, NNW
X135	LOS ANGELES TIMES	1321 WHOLESALE ST	RCRA NonGen / NLR, FINDS, ECHO	Higher	1012, 0.192, NE
X136	CHIQUITA LADC	1321 E WHOLESALE ST	HAZMAT	Higher	1012, 0.192, NE
AA137	AIM COLOR INC	627 S CENTRAL AVE	HAZNET, HAZMAT, HWTS	Higher	1018, 0.193, NNW
AC138		785 S CENTRAL AVE	UST	Higher	1020, 0.193, WNW
U139		1580 INDUSTRIAL ST	UST	Higher	1027, 0.195, NE
Z140	AT&T MOBILITY 10/CEN	1400 E OLYMPIC BLVD	HAZMAT	Lower	1029, 0.195, SW
W141		704 MERCHANT ST	UST	Higher	1054, 0.200, NW
AD142	L A COUNTY COMMUNITY	1325 E OLYMPIC BLVD	SWEEPS UST, CA FID UST	Lower	1058, 0.200, WSW
AD143		1325 E OLYMPIC BLVD	UST	Lower	1058, 0.200, WSW
Z144	YAEGER & SONS	1512 E OLYMPIC BL	EMI, HAZMAT	Lower	1058, 0.200, SW
W145		712-728 MERCHANT ST	UST	Higher	1064, 0.202, NW
T146	THE KOREA TIMES LOS	2017 E 8TH ST	RCRA NonGen / NLR	Lower	1065, 0.202, SE
T147	THE KOREA TIMES LOS	2017 E 8TH ST	CERS HAZ WASTE, EMI	Lower	1065, 0.202, SE
R148	LOS ANGELES SEED CO	736 S MERCHANT ST	HAZMAT	Higher	1066, 0.202, NW
R149	LOS ANGELES SEED COM	736 MERCHANT ST	SWEEPS UST, HIST UST, CA FID UST	Higher	1066, 0.202, NW
R150	LOS ANGELES SEED COM	736 MERCHANT ST	UST	Higher	1066, 0.202, NW
R151	LOS ANGELES SEED CO	736 S MERCHANT ST	UST	Higher	1066, 0.202, NW
AC152		1261 E 8TH ST	UST	Lower	1068, 0.202, West
AB153	BRACHMON	1610 E OLYMPIC BLVD	SWEEPS UST, CA FID UST	Lower	1073, 0.203, SSW
AB154		1610 E OLYMPIC BLVD	UST	Lower	1073, 0.203, SSW
R155		738 MERCHANT ST	UST	Higher	1084, 0.205, NW
R156	THINK GREEN RECYCLE	740 MERCHANT ST	SWRCY	Higher	1087, 0.206, NW

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157	COAST PRODUCE CO	1791 BAY ST	HAZMAT, CERS	Lower	1101, 0.209, ESE
AC158	CARDLOCK FUEL	791 S CENTRAL AVE	UST	Higher	1104, 0.209, WNW
AC159	CARDLOCK FUEL SYSTEM	791 S CENTRAL AVE	UST	Higher	1104, 0.209, WNW
AC160	SERVICE STATION 4010	791 S CENTRAL AVE	HIST UST	Higher	1104, 0.209, WNW
AC161	UNOCAL 76, SERVICE S	791 S CENTRAL AVE	SWEEPS UST, HIST UST, CA FID UST, HAZMAT	Higher	1104, 0.209, WNW
AC162	CFS 121 CENTRAL	791 S CENTRAL AVE	UST	Higher	1104, 0.209, WNW
AC163	CONTINENTAL AUTO-UNI	791 S CENTRAL	HIST UST	Higher	1104, 0.209, WNW
AC164	CARDLOCK FUELS SYSTE	791 S CENTRAL AVE	RCRA NonGen / NLR	Higher	1104, 0.209, WNW
AC165	UNION OIL SERVICE ST	791 S CENTRAL AVE	HIST UST	Higher	1104, 0.209, WNW
AC166	76 PRODUCTS STATION	791 CENTRAL AVE S	LUST, Cortese, HIST CORTESE, CERS	Higher	1104, 0.209, WNW
AE167	LA COUNTY METROPOLIT	1130 E 6TH ST	AST, CERS HAZ WASTE, CERS TANKS, EMI, NPDES,...	Higher	1107, 0.210, North
AE168	LA CO METRO TRANS AU	1130 E 6TH ST	CA FID UST, WDS	Higher	1107, 0.210, North
AE169	LACMTA DIV 01	1130 E 6TH ST	RCRA NonGen / NLR	Higher	1107, 0.210, North
AE170	METRO DIVISION 1 MAI	1130 EAST 6TH STREET	LUST, CHMIRS, Cortese, CERS	Higher	1107, 0.210, North
AE171	LA COUNTY METROPOLIT	1130 E 6TH ST	UST	Higher	1107, 0.210, North
AE172		6TH & ALAMEDA	UST	Higher	1112, 0.211, North
AF173	SAME AS ABOVE	1811 SACRAMENTO ST	HIST UST	Lower	1117, 0.212, SE
AF174	UNITED MELON DISTRIB	1811 E SACRAMENTO ST	HAZMAT	Lower	1117, 0.212, SE
AF175	UNITED MELON DISTRIB	1811 SACRAMENTO ST	SWEEPS UST, HIST UST, CA FID UST	Lower	1117, 0.212, SE
AF176	UNITED MELON DISTRIB	1811 E SACRAMENTO ST	UST	Lower	1117, 0.212, SE
S177		825-27 S CENTRAL AVE	UST	Lower	1119, 0.212, West
AG178		1220 E 7TH ST	UST	Higher	1125, 0.213, NNW
AA179	J L G CONSTRUCTION C	1228 INDUSTRIAL ST	SWEEPS UST, CA FID UST	Higher	1136, 0.215, NNW
AA180		1228 E INDUSTRIAL ST	UST	Higher	1136, 0.215, NNW
AD181	DUPLICATE	1320 E OLYMPIC BLVD	HAZMAT, CERS	Lower	1151, 0.218, WSW
AC182		776-8 MERCHANT ST	UST	Higher	1155, 0.219, WNW
AH183	J & J TRUCK REPAIR	938 S LONG BEACH AVE	HAZMAT	Lower	1163, 0.220, SSW
AE184	DIVISION 1 - ALAMEDA	1016 E 6TH STREET	HIST UST, HAZNET, HWTS	Higher	1167, 0.221, North
AE185	LA COUNTY METROPOLIT	1016 E 6TH ST	UST	Higher	1167, 0.221, North
AE186	L.A.C.M.T.A.	1016 EAST 6TH STREET	RCRA-SQG	Higher	1167, 0.221, North
AE187	LA COUNTY METROPOLIT	1016 E 6TH ST	HIST UST, HAZMAT	Higher	1167, 0.221, North
AG188		1216 INDUSTRIAL ST	UST	Higher	1167, 0.221, NNW
AA189		1217 INDUSTRIAL ST	UST	Higher	1168, 0.221, NNW
AA190	WELBILT REFRIGERATIO	1217 INDUSTRIAL ST	RCRA-SQG, FINDS, ECHO	Higher	1168, 0.221, NNW
AC191	KIRMAN PLUMBING COMP	794 MERCHANT ST	SWEEPS UST, CA FID UST	Higher	1169, 0.221, WNW
AC192	KIRMAN PLUMBING CO	794 MERCHANT ST	HIST UST	Higher	1169, 0.221, WNW
AC193	KIRMAN PLUMBING CO	794 S MERCHANT ST	HAZMAT	Higher	1169, 0.221, WNW
AC194	KIRMAN PLUMBING CO	794 S MERCHANT ST	UST	Higher	1169, 0.221, WNW
AC195	KIRMAN PLUMBING COMP	794 MERCHANT STREET	RCRA NonGen / NLR	Higher	1169, 0.221, WNW

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AH196	IMPRIMA NORTH AMERIC	34.02884/-118.240953	PFAS ECHO	Lower	1172, 0.222, SSW
AH197	PERI LAUNDRY	34.02884/-118.240953	PFAS ECHO	Lower	1172, 0.222, SSW
AH198	FIBERLAB INC.	34.02884/-118.240953	PFAS ECHO	Lower	1172, 0.222, SSW
AI199	LA MTA DIVISION 1	624 CENTRAL S	LUST, Cortese, CERS	Higher	1177, 0.223, North
Y200	MORENO BROS BATTERIE	1720 E OLYMPIC BLVD	HAZMAT	Lower	1179, 0.223, SSW
AI201	RTD DIVISION 1-ALAME	624 S CENTRAL AVE	SWEEPS UST	Higher	1180, 0.223, North
AI202	SO CALIF RAPID TRANS	624 S CENTRAL AVE	SWEEPS UST	Higher	1180, 0.223, North
AI203	M T A	624 S CENTRAL AVE	UST	Higher	1180, 0.223, North
AJ204	PROGRESSIVE PRODUCE	1266 E 6TH ST	HIST UST	Higher	1183, 0.224, NNE
AJ205	PROGRESSIVE PRODUCE	1266 E 6TH ST	SWEEPS UST, HIST UST, CA FID UST, HAZMAT	Higher	1183, 0.224, NNE
AK206		799 S ALAMEDA ST	UST	Lower	1186, 0.225, South
AJ207	AMC PRODUCE INC.	1268 6TH AVE	HAZMAT	Higher	1186, 0.225, NNE
AL208		1750 E 7TH ST	UST	Higher	1193, 0.226, ENE
AL209	MALKI SHEEL SERVICE	1750 E 7TH ST	SWEEPS UST, CA FID UST	Higher	1193, 0.226, ENE
AC210		1225-1227 E 8TH ST	UST	Lower	1194, 0.226, WNW
AK211	CHAFFEE WHSE	821 S ALAMEDA ST	HIST UST	Lower	1203, 0.228, South
AM212	AUTO REPAIR	761 MERCHANT ST	SWEEPS UST, CA FID UST	Higher	1228, 0.233, WNW
AM213	TI AUTO SERVICE	761 MERCHANT ST	HIST UST	Higher	1228, 0.233, WNW
AN214	B Y PRODUCE	1717 E INDUSTRIAL ST	HAZMAT	Higher	1228, 0.233, NE
AN215	MILES PRODUCE	1719 INDUSTRIAL ST	HAZMAT	Higher	1231, 0.233, NE
AK216		875 S ALAMEDA ST	UST	Lower	1232, 0.233, South
AH217	MOBILE REFRIGERATION	1740 E OLYMPIC BLVD	SWEEPS UST, CA FID UST, HAZMAT	Lower	1242, 0.235, South
AO218		OLYMPIC BL & CENTRAL	UST	Lower	1248, 0.236, WSW
AI219		585 S CENTRAL AVE	UST	Higher	1253, 0.237, North
AK220		1750-60 E OLYMPIC BL	UST	Lower	1253, 0.237, South
221	KITAGAWA BROS GARAGE	1207 E INDUSTRIAL ST	HAZMAT	Higher	1256, 0.238, NNW
AC222		777 MERCHANT ST	UST	Higher	1258, 0.238, WNW
AC223	L A SMOKING & CURRIN	777 MERCHANT ST	SWEEPS UST, CA FID UST	Higher	1258, 0.238, WNW
AK224		1900 HUNTER ST	UST	Lower	1262, 0.239, South
AO225		1300-02 E OLYMPIC BL	UST	Lower	1263, 0.239, WSW
AM226	775 MERCHANT STREEET	775 MERCHANT STREET	RCRA-LQG	Higher	1270, 0.241, WNW
AM227	LASCO REALTY CO LLC	775 MERCHANT ST	UST	Higher	1270, 0.241, WNW
AM228	LASCO REALTY CO LLC	775 MERCHANT ST	HAZMAT	Higher	1270, 0.241, WNW
AJ229	DAVALAN SALES INC	1320 E 6TH ST	HAZMAT	Higher	1283, 0.243, NNE
AK230		1950-60 HUNTER ST	UST	Lower	1288, 0.244, South
AP231	PAT & SONS POULTRY,	927 NAOMI AVE	HIST UST	Lower	1302, 0.247, SW
AP232		927 NAOMI AVE	UST	Lower	1302, 0.247, SW
AP233	PAT & SONS POULTRY I	927 N NAOMI ST	SWEEPS UST, HIST UST, CA FID UST	Lower	1302, 0.247, SW
AJ234	ALWAYS FRESH TRADING	1338 E 6TH ST	HAZMAT, CERS	Higher	1306, 0.247, NNE

MAPPED SITES SUMMARY

Target Property Address:
777 S ALAMEDA STREET
LOS ANGELES, CA 90021

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
AO235	91442	1266 E OLYMPIC BLVD	HIST UST	Lower	1309, 0.248, WSW
AO236	CHEVRON STATION 9144	1266 E OLYMPIC BLVD	SWEEPS UST, CA FID UST	Lower	1309, 0.248, WSW
AJ237	KC PRODUCE	1336 E 6TH ST	HAZMAT, CERS	Higher	1315, 0.249, NNE
238		2000 HUNTER ST	UST	Lower	1318, 0.250, South
AE239	SITE 1 WEST - BRIDGE	580 SOUTH ALAMEDA ST	US BROWNFIELDS	Higher	1364, 0.258, North
240	CHRIS RECYCLING	1024 S CENTRAL AVE	SWRCY, NPDES	Lower	1474, 0.279, WSW
241	RANCHO ROBLES PROPER	1910 BAY ST	CPS-SLIC, HAZNET, CERS, HWTS	Lower	1586, 0.300, ESE
242	ZIMMERMAN DEVELOPMEN	560 ALAMEDA	CPS-SLIC, CERS	Higher	1612, 0.305, North
243	EXXON #7-8407 (FORME	1935 007TH ST E	LUST, Cortese, HIST CORTESE, CERS	Higher	1648, 0.312, ENE
AQ244	S & S DISPOSAL SERVI		LOS ANGELES CO LF METHANE	Lower	1688, 0.320, South
AQ245	UNOCAL #0152 FORMER	1800 OLYMPIC BLVD E	LUST, Cortese, CERS	Lower	1689, 0.320, South
AQ246	UNOCAL #0152 FORMER	1800 OLYMPIC	HIST CORTESE	Lower	1689, 0.320, South
247	RECYCLE INDEED	1914 E OLYMPIC BLVD	SWRCY	Lower	1760, 0.333, SSE
248	CENTRAL AND SIXTH	500 S CENTRAL AVENUE	US BROWNFIELDS, FINDS	Higher	1848, 0.350, North
AR249	DOWNTOWN METALS & RE	526 S ALAMEDA ST	SWRCY, CERS HAZ WASTE, NPDES, HAZMAT, WDS, CIWQS	Higher	1994, 0.378, North
250	SITE 2 EAST - BRIDGE	E 6TH ST EASTERN POR	US BROWNFIELDS	Higher	2077, 0.393, NNW
251	EXLEY EXPRESS	634 S MATEO ST	SEMS-ARCHIVE	Higher	2095, 0.397, ENE
AS252	GOLDEN PLATING, INC.	930 SO MATEO	ENVIROSTOR	Lower	2105, 0.399, ESE
AR253	ROLO TRANSPORTATION	536 SEATON STREET	LUST, Cortese, CERS	Higher	2110, 0.400, NNE
AS254	MV PUBLIC TRANSPORTA	2016 BAY ST	SWF/LF, HAZNET, MWMP, HAZMAT, HWTS	Lower	2189, 0.415, ESE
AR255	ARCO	500 ALAMEDA ST S	LUST, CERS HAZ WASTE, SWEEPS UST, CA FID UST, CERS	Higher	2227, 0.422, North
256	COCA-COLA BOTTLING C	1334 S CENTRAL	ENVIROSTOR, VCP, HIST UST, CA FID UST, CHMIRS,...	Lower	2248, 0.426, SW
AT257	ALCO CAD NICKEL PLAT	1400 LONG BEACH AVEN	SEMS-ARCHIVE, RCRA-LQG	Lower	2260, 0.428, SSW
AT258	ALCO CAD-NICKEL PLAT	1400 LONG BEACH AVE	ENVIROSTOR, HIST UST, EMI, NPDES, CIWQS, CERS,...	Lower	2260, 0.428, SSW
259	FORMER MID-STATE ELE	1546 14TH	HIST CORTESE	Lower	2272, 0.430, SSW
AU260	S & S DISPOSAL SERVI	1027 S. ALAMEDA ST.	SWF/LF	Lower	2274, 0.431, South
261	CENTRAL REGION 9TH S	8TH ST./TOWNE AVE./9	ENVIROSTOR, SCH	Lower	2278, 0.431, WNW
AU262	GREEN LA RECYCLING	1738 E 14TH ST	SWRCY	Lower	2278, 0.431, South
AV263	MARTIN METALS INC.	1321 WILSON ST.	ENVIROSTOR, LA Co. Site Mitigation, CIWQS	Lower	2480, 0.470, SSE
AV264	WILSON STREET CORPOR	1321 S. WILSON STREE	ENVIROSTOR, DEED, HAZMAT	Lower	2480, 0.470, SSE
265	AT MATEO	555 MATEO	ENVIROSTOR, VCP, NPDES, CIWQS, CERS	Higher	2491, 0.472, NE
266	FREEWAY RECYCLING	1320 MATEO ST	SWRCY, NPDES	Lower	2514, 0.476, SE
AW267	ACE PLATING CO., INC	719 TOWNE AVENUE	ENVIROSTOR, CPS-SLIC, CHMIRS, CERS	Higher	2515, 0.476, NW
AW268	GREEN CO RECYCLING	714 E 7TH ST	SWRCY	Higher	2547, 0.482, NW
AV269	CALIFORNIA RECLAMATI	1331-61 WILSON ST./1	ENVIROSTOR	Lower	2604, 0.493, SSE
270	WESTERN ELECTROCHEMI	2348 EAST 8TH STREET	RESPONSE, ENVIROSTOR, CERS	Lower	2702, 0.512, ESE
AX271	DEAN AND ASSOCIATES	700 SOUTH SANTA FE A	RESPONSE, ENVIROSTOR, HIST Cal-Sites, CA BOND EXP....	Higher	2719, 0.515, East
AX272	BAILEY & SCHMITZ COM	2101 EAST 7TH STREET	ENVIROSTOR, HIST CORTESE	Higher	2734, 0.518, East
273	BURLEY SEAL PRODUCTS	1026 SANTE FE AVE.	ENVIROSTOR	Lower	2808, 0.532, ESE

MAPPED SITES SUMMARY

Target Property Address:
777 S ALAMEDA STREET
LOS ANGELES, CA 90021

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
274	FISHKING PROCESSORS/	1335 E. 15TH STREET	ENVIROSTOR, VCP	Lower	2848, 0.539, SW
275	2130 EAST VIOLET	2130 EAST VIOLET STR	ENVIROSTOR, VCP, DEED	Lower	3015, 0.571, East
AY276	BUTTERFIELD (SUN CHE	590 SOUTH SANTA FE A	HIST Cal-Sites	Higher	3073, 0.582, NE
AY277	UNITED TECHNOLOGIES	590 S SANTA FE AVE	ENVIROSTOR, VCP, SWEEPS UST, CA FID UST, NPDES,...	Higher	3073, 0.582, NE
278	PENSKE TRUCK LEASING	2300 OLYMPIC BLVD	ENVIROSTOR, VCP, SWEEPS UST, HIST UST	Lower	3141, 0.595, SE
AZ279	WESTERN LEAD AND MET	2182 EAST 11TH STREE	SEMS, HIST Cal-Sites	Lower	3157, 0.598, SSE
AZ280	QUEMETCO CORPORATION	2182 E 11TH ST	RESPONSE, ENVIROSTOR, DEED, Cortese, HAZNET,...	Lower	3157, 0.598, SSE
AZ281	NATIONAL AEROSOL	2193 EAST 14TH STREE	ENVIROSTOR, CHMIRS	Lower	3376, 0.639, SSE
282	EASTERN SMELTING AND	2200 EAST 11TH STREE	ENVIROSTOR, VCP, HAZMAT	Lower	3530, 0.669, SSE
BA283	SO CALIFORNIA GAS CO	2424 E OLYMPIC BLVD	ENVIROSTOR, SWF/LF, AST, VCP, CERS HAZ WASTE, CERS	Lower	3700, 0.701, SE
BA284	SOUTHERN CALIFORNIA	2424 EAST OLYMPIC BO	CA BOND EXP. PLAN	Lower	3700, 0.701, SE
BA285	SOUTHERN CALIFORNIA	2424 E. OLYMPIC BLVD	SEMS-ARCHIVE, CORRACTS, RCRA-TSDF, RCRA-LQG, US...	Lower	3700, 0.701, SE
BA286	SO CAL GAS/OLYMPIC B	2424 E OLYMPIC BLVD	HIST Cal-Sites, NPDES, WDS	Lower	3700, 0.701, SE
BA287	SO CAL GAS/OLYMPIC B	2424 E OLYMPIC BLVD	EDR MGP	Lower	3700, 0.701, SE
288	FISHKING PROCESSORS/	1640 COMPTON AVE	ENVIROSTOR, VCP	Lower	3763, 0.713, SSW
289	SANTA FE/W.A. GRANT	2144 EAST 7TH STREET	ENVIROSTOR, VCP	Lower	3780, 0.716, East
290	LOS ANGELES DIE CAST	340 CROCKER STREET.	ENVIROSTOR, EMI	Higher	3792, 0.718, North
291	MID CITY IRON/METAL	2104 E 15TH ST	ENVIROSTOR, AST, CERS HAZ WASTE, SWEEPS UST, CA...	Lower	3841, 0.727, SSE
292	ROYAL PLATING CO	787 E 15TH ST	RCRA-SQG, ENVIROSTOR, UST, VCP, SWEEPS UST, HIST...	Lower	3970, 0.752, WSW
293	A&S METAL RECYCLING	1960 MATEO STREET	ICE, HWP	Lower	4134, 0.783, SSE
294	FORMER GAP PRODUCTS	1460 EAST WASHINGTON	ENVIROSTOR, VCP, DEED	Lower	4184, 0.792, SSW
295	795 S MISSION	795 SOUTH MISSION RO	ENVIROSTOR	Lower	4201, 0.796, ESE
296	CITY OF LOS ANGELES	2484 EAST OLYMPIC BO	ENVIROSTOR, VCP	Lower	4402, 0.834, SE
297	SHELMAC CORP	1440 E. WALNUT ST.	SEMS-ARCHIVE, RCRA-SQG, ENVIROSTOR, FINDS, ECHO,...	Lower	4460, 0.845, SSW
298	SUNGRO PRODUCTS LLC	810 18TH	ENVIROSTOR, NPDES, CIWQS, CERS	Lower	4558, 0.863, WSW
299	LAUSD MASTER AGREEME	1449 SOUTH SAN PEDRO	ENVIROSTOR, SCH	Lower	4703, 0.891, WSW
BB300	SHAMROCK IRON & META	1949 S. ALAMEDA AVE.	ENVIROSTOR	Lower	4773, 0.904, South
301	DEWITT PETROLEUM - J	2015 LONG BEACH AVE	ENVIROSTOR, CPS-SLIC, HAZNET, LA Co. Site...	Lower	4938, 0.935, SSW
302	LOS ANGELES MEDICAL		FUDS	Lower	4990, 0.945, South
BB303	LA MED DEPOT		ENVIROSTOR	Lower	4991, 0.945, South
304	CALIFORNIA SWATCH DR	776 E. WASHINGTON BL	ENVIROSTOR, HWTS	Lower	5088, 0.964, WSW

EXECUTIVE SUMMARY

TARGET PROPERTY SEARCH RESULTS

The target property was identified in the following records. For more information on this property see page 9 of the attached EDR Radius Map report:

Site	Database(s)	EPA ID
ALAMEDA SQUARE MARKE 777 SOUTH ALAMEDA ST LOS ANGELES, CA 90021	NPDES CIWQS	N/A
ALAMEDA SQUARE OWNER 777 S ALAMEDA, # 100 LOS ANGELES, CA 90021	HWTS	N/A

DATABASES WITH NO MAPPED SITES

No mapped sites were found in EDR's search of available ("reasonably ascertainable ") government records either on the target property or within the search radius around the target property for the following databases:

STANDARD ENVIRONMENTAL RECORDS

Lists of Federal NPL (Superfund) sites

NPL..... National Priority List
Proposed NPL..... Proposed National Priority List Sites
NPL LIENS..... Federal Superfund Liens

Lists of Federal Delisted NPL sites

Delisted NPL..... National Priority List Deletions

Lists of Federal sites subject to CERCLA removals and CERCLA orders

FEDERAL FACILITY..... Federal Facility Site Information listing
SEMS..... Superfund Enterprise Management System

Lists of Federal RCRA TSD facilities

RCRA-TSDF..... RCRA - Treatment, Storage and Disposal

Lists of Federal RCRA generators

RCRA-VSQG..... RCRA - Very Small Quantity Generators (Formerly Conditionally Exempt Small Quantity Generators)

Federal institutional controls / engineering controls registries

LUCIS..... Land Use Control Information System

US ENG CONTROLS..... Engineering Controls Sites List
US INST CONTROLS..... Institutional Controls Sites List

Federal ERNS list

ERNS..... Emergency Response Notification System

Lists of state and tribal leaking storage tanks

INDIAN LUST..... Leaking Underground Storage Tanks on Indian Land

Lists of state and tribal registered storage tanks

FEMA UST..... Underground Storage Tank Listing
INDIAN UST..... Underground Storage Tanks on Indian Land

Lists of state and tribal voluntary cleanup sites

INDIAN VCP..... Voluntary Cleanup Priority Listing

Lists of state and tribal brownfield sites

BROWNFIELDS..... Considered Brownfieds Sites Listing

ADDITIONAL ENVIRONMENTAL RECORDS

Local Lists of Landfill / Solid Waste Disposal Sites

WMUDS/SWAT..... Waste Management Unit Database
HAULERS..... Registered Waste Tire Haulers Listing
INDIAN ODI..... Report on the Status of Open Dumps on Indian Lands
ODI..... Open Dump Inventory
DEBRIS REGION 9..... Torres Martinez Reservation Illegal Dump Site Locations
IHS OPEN DUMPS..... Open Dumps on Indian Land

Local Lists of Hazardous waste / Contaminated Sites

US HIST CDL..... Delisted National Clandestine Laboratory Register
AOCONCERN..... Key Areas of Concerns in Los Angeles County
SCH..... School Property Evaluation Program
CDL..... Clandestine Drug Labs
Toxic Pits..... Toxic Pits Cleanup Act Sites
US CDL..... National Clandestine Laboratory Register

Local Land Records

LIENS..... Environmental Liens Listing
LIENS 2..... CERCLA Lien Information

Records of Emergency Release Reports

HMIRS..... Hazardous Materials Information Reporting System
CHMIRS..... California Hazardous Material Incident Report System
LDS..... Land Disposal Sites Listing

MCS	Military Cleanup Sites Listing
SPILLS 90	SPILLS 90 data from FirstSearch

Other Ascertainable Records

DOD	Department of Defense Sites
SCRD DRYCLEANERS	State Coalition for Remediation of Drycleaners Listing
US FIN ASSUR	Financial Assurance Information
EPA WATCH LIST	EPA WATCH LIST
2020 COR ACTION	2020 Corrective Action Program List
TSCA	Toxic Substances Control Act
TRIS	Toxic Chemical Release Inventory System
SSTS	Section 7 Tracking Systems
ROD	Records Of Decision
RMP	Risk Management Plans
RAATS	RCRA Administrative Action Tracking System
PRP	Potentially Responsible Parties
PADS	PCB Activity Database System
ICIS	Integrated Compliance Information System
FTTS	FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
MLTS	Material Licensing Tracking System
COAL ASH DOE	Steam-Electric Plant Operation Data
COAL ASH EPA	Coal Combustion Residues Surface Impoundments List
PCB TRANSFORMER	PCB Transformer Registration Database
RADINFO	Radiation Information Database
HIST FTTS	FIFRA/TSCA Tracking System Administrative Case Listing
DOT OPS	Incident and Accident Data
CONSENT	Superfund (CERCLA) Consent Decrees
INDIAN RESERV	Indian Reservations
FUSRAP	Formerly Utilized Sites Remedial Action Program
UMTRA	Uranium Mill Tailings Sites
LEAD SMELTERS	Lead Smelter Sites
US AIRS	Aerometric Information Retrieval System Facility Subsystem
US MINES	Mines Master Index File
ABANDONED MINES	Abandoned Mines
FINDS	Facility Index System/Facility Registry System
UXO	Unexploded Ordnance Sites
DOCKET HWC	Hazardous Waste Compliance Docket Listing
ECHO	Enforcement & Compliance History Information
FUELS PROGRAM	EPA Fuels Program Registered Listing
PFAS NPL	Superfund Sites with PFAS Detections Information
PFAS FEDERAL SITES	Federal Sites PFAS Information
PFAS TSCA	PFAS Manufacture and Imports Information
PFAS RCRA MANIFEST	PFAS Transfers Identified In the RCRA Database Listing
PFAS ATSDR	PFAS Contamination Site Location Listing
PFAS WQP	Ambient Environmental Sampling for PFAS
PFAS NPDES	Clean Water Act Discharge Monitoring Information
PFAS ECHO FIRE TRAINING	Facilities in Industries that May Be Handling PFAS Listing
PFAS PART 139 AIRPORT	All Certified Part 139 Airports PFAS Information Listing
AQUEOUS FOAM NRC	Aqueous Foam Related Incidents Listing
PFAS	PFAS Contamination Site Location Listing
AQUEOUS FOAM	Former Fire Training Facility Assessments Listing
CUPA Listings	CUPA Resources List
DRYCLEANERS	Cleaner Facilities

EMI	Emissions Inventory Data
ENF	Enforcement Action Listing
Financial Assurance	Financial Assurance Information Listing
ICE	ICE
LOS ANGELES CO. HMS	HMS: Street Number List
HWT	Registered Hazardous Waste Transporter Database
HAZNET	Facility and Manifest Data
MINES	Mines Site Location Listing
MWMP	Medical Waste Management Program Listing
PEST LIC	Pesticide Regulation Licenses Listing
PROC	Certified Processors Database
Notify 65	Proposition 65 Records
LA Co. Site Mitigation	Site Mitigation List
UIC	UIC Listing
UIC GEO	UIC GEO (GEOTRACKER)
WASTEWATER PITS	Oil Wastewater Pits Listing
WDS	Waste Discharge System
WIP	Well Investigation Program Case List
MILITARY PRIV SITES	MILITARY PRIV SITES (GEOTRACKER)
PROJECT	PROJECT (GEOTRACKER)
WDR	Waste Discharge Requirements Listing
CERS	CERS
NON-CASE INFO	NON-CASE INFO (GEOTRACKER)
OTHER OIL GAS	OTHER OIL & GAS (GEOTRACKER)
PROD WATER PONDS	PROD WATER PONDS (GEOTRACKER)
SAMPLING POINT	SAMPLING POINT (GEOTRACKER)
WELL STIM PROJ	Well Stimulation Project (GEOTRACKER)
MINES MRDS	Mineral Resources Data System

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR Hist Cleaner	EDR Exclusive Historical Cleaners

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

RGA LF	Recovered Government Archive Solid Waste Facilities List
RGA LUST	Recovered Government Archive Leaking Underground Storage Tank

SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were identified in the following databases.

Elevations have been determined from the USGS Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified. Sites with an elevation equal to or higher than the target property have been differentiated below from sites with an elevation lower than the target property.
Page numbers and map identification numbers refer to the EDR Radius Map report where detailed data on individual sites can be reviewed.

Sites listed in ***bold italics*** are in multiple databases.

Unmappable (orphan) sites are not considered in the foregoing analysis.

EXECUTIVE SUMMARY

STANDARD ENVIRONMENTAL RECORDS

Lists of Federal CERCLA sites with NFRAP

SEMS-ARCHIVE: SEMS-ARCHIVE (Superfund Enterprise Management System Archive) tracks sites that have no further interest under the Federal Superfund Program based on available information. The list was formerly known as the CERCLIS-NFRAP, renamed to SEMS ARCHIVE by the EPA in 2015. EPA may perform a minimal level of assessment work at a site while it is archived if site conditions change and/or new information becomes available. Archived sites have been removed and archived from the inventory of SEMS sites. Archived status indicates that, to the best of EPA's knowledge, assessment at a site has been completed and that EPA has determined no further steps will be taken to list the site on the National Priorities List (NPL), unless information indicates this decision was not appropriate or other considerations require a recommendation for listing at a later time. The decision does not necessarily mean that there is no hazard associated with a given site; it only means that. based upon available information, the location is not judged to be potential NPL site.

A review of the SEMS-ARCHIVE list, as provided by EDR, and dated 01/25/2023 has revealed that there are 3 SEMS-ARCHIVE sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
PUREX CORP TURCO PRO Site ID: 0901785 EPA Id: CAD980636146	INDUSTRIAL ST	NNE 0 - 1/8 (0.108 mi.)	H70	150
EXLEY EXPRESS Site ID: 0902262 EPA Id: CAD981161078	634 S MATEO ST	ENE 1/4 - 1/2 (0.397 mi.)	251	682

Lower Elevation	Address	Direction / Distance	Map ID	Page
ALCO CAD NICKEL PLAT	***1400 LONG BEACH AVEN***	***SSW 1/4 - 1/2 (0.428 mi.)***	***AT257***	***820***

Lists of Federal RCRA facilities undergoing Corrective Action

CORRACTS: CORRACTS is a list of handlers with RCRA Corrective Action Activity. This report shows which nationally-defined corrective action core events have occurred for every handler that has had corrective action activity.

A review of the CORRACTS list, as provided by EDR, and dated 11/21/2022 has revealed that there is 1 CORRACTS site within approximately 1 mile of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
SOUTHERN CALIFORNIA EPA ID:: CAD981422017	***2424 E. OLYMPIC BLVD***	***SE 1/2 - 1 (0.701 mi.)***	***BA285***	***1044***

Lists of Federal RCRA generators

RCRA-LQG: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Large quantity generators (LQGs) generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month.

A review of the RCRA-LQG list, as provided by EDR, and dated 11/21/2022 has revealed that there is 1 RCRA-LQG site within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
775 MERCHANT STREEET EPA ID:: CAC002646299	775 MERCHANT STREET	WNW 1/8 - 1/4 (0.241 mi.)	AM226	619

RCRA-SQG: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month.

A review of the RCRA-SQG list, as provided by EDR, and dated 11/21/2022 has revealed that there are 12 RCRA-SQG sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
E C I PRINTING EPA ID:: CAR000088963	***747 WAREHOUSE ST***	***WNW 0 - 1/8 (0.014 mi.)***	***B15***	***20***
UNITED SIGNATURE FOO EPA ID:: CAD981368277	737 TERMINAL ST	NW 0 - 1/8 (0.089 mi.)	L51	123
S E RYKOFF CO EPA ID:: CAD981392095	***761 TERMINAL ST***	***WNW 0 - 1/8 (0.093 mi.)***	***L55***	***128***
S E RYKOFF CO EPA ID:: CAD982349748	***761 TERMINAL ST***	***WNW 0 - 1/8 (0.093 mi.)***	***L57***	***137***
GREYHOUND LINES INC EPA ID:: CAD981439342	***1614 E 7TH ST***	***ENE 0 - 1/8 (0.114 mi.)***	***J71***	***151***
UNION CENTRAL COLD S EPA ID:: CAD981583891	***1525 INDUSTRIAL STRE***	***NNE 0 - 1/8 (0.115 mi.)***	***H82***	***269***
ALAMEDA SQUARE EPA ID:: CAR000267963	***1318 E 7TH ST STE 20***	***NNW 0 - 1/8 (0.116 mi.)***	***K83***	***272***
L.A.C.M.T.A. EPA ID:: CAD980814040	1016 EAST 6TH STREET	N 1/8 - 1/4 (0.221 mi.)	AE186	582
WELBILT REFRIGERATIO EPA ID:: CAD077236776	***1217 INDUSTRIAL ST***	***NNW 1/8 - 1/4 (0.221 mi.)***	***AA190***	***587***

Lower Elevation	Address	Direction / Distance	Map ID	Page
OLYMPIC PLATING AND EPA ID:: CAD008253205	***843 SO NAOMI AVE***	***SSW 0 - 1/8 (0.096 mi.)***	***61***	***141***
LOS ANGELES TIMES CO	***2000 E 8TH ST***	***SSE 1/8 - 1/4 (0.169 mi.)***	***V104***	***304***

EPA ID:: CAD983637471

J&J DIESEL	***919 MC GARRY***	***SSW 1/8 - 1/4 (0.171 mi.)***	***Y117***	***386***

EPA ID:: CAD981634629

Lists of state- and tribal (Superfund) equivalent sites

RESPONSE: Identifies confirmed release sites where DTSC is involved in remediation, either in a lead or oversight capacity. These confirmed release sites are generally high-priority and high potential risk.

A review of the RESPONSE list, as provided by EDR, has revealed that there are 3 RESPONSE sites within approximately 1 mile of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
DEAN AND ASSOCIATES	***700 SOUTH SANTA FE A***	***E 1/2 - 1 (0.515 mi.)***	***AX271***	***919***

Database: RESPONSE, Date of Government Version: 10/24/2022
Status: Certified
Facility Id: 19490206

Lower Elevation	Address	Direction / Distance	Map ID	Page
WESTERN ELECTROCHEMI	***2348 EAST 8TH STREET***	***ESE 1/2 - 1 (0.512 mi.)***	***270***	***916***

Database: RESPONSE, Date of Government Version: 10/24/2022
Status: No Further Action
Facility Id: 60001827

QUEMETCO CORPORATION	***2182 E 11TH ST***	***SSE 1/2 - 1 (0.598 mi.)***	***AZ280***	***977***

Database: RESPONSE, Date of Government Version: 10/24/2022
Status: Certified / Operation & Maintenance
Facility Id: 19390044

Lists of state- and tribal hazardous waste facilities

ENVIROSTOR: The Department of Toxic Substances Control's (DTSC's) Site Mitigation and Brownfields Reuse Program's (SMBRP's) EnviroStor database identifes sites that have known contamination or sites for which there may be reasons to investigate further. The database includes the following site types: Federal Superfund sites (National Priorities List (NPL)); State Response, including Military Facilities and State Superfund; Voluntary Cleanup; and School sites. EnviroStor provides similar information to the information that was available in CalSites, and provides additional site information, including, but not limited to, identification of formerly-contaminated properties that have been released for reuse, properties where environmental deed restrictions have been recorded to prevent inappropriate land uses, and risk characterization information that is used to assess potential impacts to public health and the environment at contaminated sites.

A review of the ENVIROSTOR list, as provided by EDR, and dated 10/24/2022 has revealed that there are 39 ENVIROSTOR sites within approximately 1 mile of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
LOS ANGELES SIGNAL D		W 0 - 1/8 (0.073 mi.)	I39	103

Facility Id: 80001030

Status: Inactive - Needs Evaluation

FARMERS PRODUCE PROJ	***725 CHANNING ST***	***NE 0 - 1/8 (0.076 mi.)***	***J46***	***110***
Facility Id: 19490227				
Status: Certified				
AT MATEO	***555 MATEO***	***NE 1/4 - 1/2 (0.472 mi.)***	***265***	***896***
Facility Id: 60002188				
Status: Certified				
ACE PLATING CO., INC	***719 TOWNE AVENUE***	***NW 1/4 - 1/2 (0.476 mi.)***	***AW267***	***910***
Facility Id: 71002245				
Status: Inactive - Needs Evaluation				
DEAN AND ASSOCIATES	***700 SOUTH SANTA FE A***	***E 1/2 - 1 (0.515 mi.)***	***AX271***	***919***
Facility Id: 19490206				
Status: Certified				
BAILEY & SCHMITZ COM	***2101 EAST 7TH STREET***	***E 1/2 - 1 (0.518 mi.)***	***AX272***	***924***
Facility Id: 19250029				
Status: No Further Action				
UNITED TECHNOLOGIES	***590 S SANTA FE AVE***	***NE 1/2 - 1 (0.582 mi.)***	***AY277***	***936***
Facility Id: 19281223				
Status: Active				
LOS ANGELES DIE CAST	***340 CROCKER STREET.***	***N 1/2 - 1 (0.718 mi.)***	***290***	***1123***
Facility Id: 71003622				
Status: Refer: Other Agency				

Lower Elevation	Address	Direction / Distance	Map ID	Page
LOS ANGELES TIMES, O	2000 E. 8TH STREET	SSE 1/8 - 1/4 (0.169 mi.)	V109	377
Facility Id: 71003158				
Status: No Action Required				
GOLDEN PLATING, INC.	930 SO MATEO	ESE 1/4 - 1/2 (0.399 mi.)	AS252	684
Facility Id: 71002675				
Status: Refer: Other Agency				
COCA-COLA BOTTLING C	***1334 S CENTRAL***	***SW 1/4 - 1/2 (0.426 mi.)***	***256***	***807***
Facility Id: 60003104				
Status: Active				
ALCO CAD-NICKEL PLAT	***1400 LONG BEACH AVE***	***SSW 1/4 - 1/2 (0.428 mi.)***	***AT258***	***856***
Facility Id: 19340751				
Status: Inactive - Action Required				
CENTRAL REGION 9TH S	***8TH ST./TOWNE AVE./9***	***WNW 1/4 - 1/2 (0.431 mi.)***	***261***	***883***
Facility Id: 60001149				
Status: Certified				
MARTIN METALS INC.	***1321 WILSON ST.***	***SSE 1/4 - 1/2 (0.470 mi.)***	***AV263***	***890***
Facility Id: 19330385				
Status: Refer: 1248 Local Agency				
WILSON STREET CORPOR	***1321 S. WILSON STREE***	***SSE 1/4 - 1/2 (0.470 mi.)***	***AV264***	***892***
Facility Id: 71002216				
Status: Certified O&M - Land Use Restrictions Only				
CALIFORNIA RECLAMATI	1331-61 WILSON ST./1	SSE 1/4 - 1/2 (0.493 mi.)	AV269	915
Facility Id: 70000169				
Status: Refer: 1248 Local Agency				
WESTERN ELECTROCHEMI	***2348 EAST 8TH STREET***	***ESE 1/2 - 1 (0.512 mi.)***	***270***	***916***

Facility Id: 60001827 Status: No Further Action				
BURLEY SEAL PRODUCTS Facility Id: 19300242 Status: Refer: 1248 Local Agency	1026 SANTE FE AVE.	ESE 1/2 - 1 (0.532 mi.)	273	925
FISHKING PROCESSORS/ Facility Id: 19760017 Status: No Further Action	***1335 E. 15TH STREET***	***SW 1/2 - 1 (0.539 mi.)***	***274***	***926***
2130 EAST VIOLET Facility Id: 60002573 Status: Certified O&M - Land Use Restrictions Only	***2130 EAST VIOLET STR***	***E 1/2 - 1 (0.571 mi.)***	***275***	***929***
PENSKE TRUCK LEASING Facility Id: 60001416 Status: No Further Action	***2300 OLYMPIC BLVD***	***SE 1/2 - 1 (0.595 mi.)***	***278***	***963***
QUEMETCO CORPORATION Facility Id: 19390044 Status: Certified / Operation & Maintenance	***2182 E 11TH ST***	***SSE 1/2 - 1 (0.598 mi.)***	***AZ280***	***977***
NATIONAL AEROSOL Facility Id: 19220018 Status: Inactive - Needs Evaluation	***2193 EAST 14TH STREE***	***SSE 1/2 - 1 (0.639 mi.)***	***AZ281***	***999***
EASTERN SMELTING AND Facility Id: 19330382 Status: Inactive - Action Required	***2200 EAST 11TH STREE***	***SSE 1/2 - 1 (0.669 mi.)***	***282***	***1001***
SO CALIFORNIA GAS CO Facility Id: 19490179 Facility Id: 80001471 Status: Active Status: Refer: SMBRP	***2424 E OLYMPIC BLVD***	***SE 1/2 - 1 (0.701 mi.)***	***BA283***	***1005***
FISHKING PROCESSORS/ Facility Id: 19760016 Status: No Further Action	***1640 COMPTON AVE***	***SSW 1/2 - 1 (0.713 mi.)***	***288***	***1117***
SANTA FE/W.A. GRANT Facility Id: 19330375 Status: No Further Action	***2144 EAST 7TH STREET***	***E 1/2 - 1 (0.716 mi.)***	***289***	***1120***
MID CITY IRON/METAL Facility Id: 60000313 Status: Inactive - Action Required	***2104 E 15TH ST***	***SSE 1/2 - 1 (0.727 mi.)***	***291***	***1125***
ROYAL PLATING CO Facility Id: 19340770 Status: Certified O&M - Land Use Restrictions Only	***787 E 15TH ST***	***WSW 1/2 - 1 (0.752 mi.)***	***292***	***1148***
FORMER GAP PRODUCTS Facility Id: 19340775 Status: Certified O&M - Land Use Restrictions Only	***1460 EAST WASHINGTON***	***SSW 1/2 - 1 (0.792 mi.)***	***294***	***1165***
795 S MISSION Facility Id: 60002723 Status: Inactive - Needs Evaluation	795 SOUTH MISSION RO	ESE 1/2 - 1 (0.796 mi.)	295	1168
CITY OF LOS ANGELES Facility Id: 60002470 Status: Inactive - Needs Evaluation	***2484 EAST OLYMPIC BO***	***SE 1/2 - 1 (0.834 mi.)***	***296***	***1169***
SHELMAC CORP	***1440 E. WALNUT ST.***	***SSW 1/2 - 1 (0.845 mi.)***	***297***	***1172***

Facility Id: 19340642 Status: Refer: Other Agency				
SUNGRO PRODUCTS LLC Facility Id: 19281202 Status: Refer: Other Agency	***810 18TH***	***WSW 1/2 - 1 (0.863 mi.)***	***298***	***1179***
LAUSD MASTER AGREEME Facility Id: 19820019 Status: Active	***1449 SOUTH SAN PEDRO***	***WSW 1/2 - 1 (0.891 mi.)***	***299***	***1189***
SHAMROCK IRON & META Facility Id: 60001672 Status: No Further Action	1949 S. ALAMEDA AVE.	S 1/2 - 1 (0.904 mi.)	BB300	1193
DEWITT PETROLEUM - J Facility Id: 71002134 Status: Refer: Other Agency	***2015 LONG BEACH AVE***	***SSW 1/2 - 1 (0.935 mi.)***	***301***	***1194***
LA MED DEPOT Facility Id: 80000307 Status: Inactive - Needs Evaluation		S 1/2 - 1 (0.945 mi.)	BB303	1199
CALIFORNIA SWATCH DR Facility Id: 60003308 Status: Active	***776 E. WASHINGTON BL***	***WSW 1/2 - 1 (0.964 mi.)***	***304***	***1200***

Lists of state and tribal landfills and solid waste disposal facilities

SWF/LF: The Solid Waste Facilities/Landfill Sites records typically contain an inventory of solid waste disposal facilities or landfills in a particular state. The data come from the Integrated Waste Management Board's Solid Waste Information System (SWIS) database.

A review of the SWF/LF list, as provided by EDR, has revealed that there are 2 SWF/LF sites within approximately 0.5 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
MV PUBLIC TRANSPORTA Database: SWF/LF (SWIS), Date of Government Version: 11/03/2022 Facility ID: 19-AR-1273 Operational Status: Active Regulation Status: Notification	***2016 BAY ST***	***ESE 1/4 - 1/2 (0.415 mi.)***	***AS254***	***688***
S & S DISPOSAL SERVI Database: LOS ANGELES CO. LF, Date of Government Version: 10/07/2022 Site ID: 462 Status: Active	1027 S. ALAMEDA ST.	S 1/4 - 1/2 (0.431 mi.)	AU260	882

Lists of state and tribal leaking storage tanks

LUST: Leaking Underground Storage Tank (LUST) Sites included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

A review of the LUST list, as provided by EDR, has revealed that there are 9 LUST sites within

approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
TEXACO TRUCK STOP (F	***1345 007TH ST E***	***NNW 0 - 1/8 (0.084 mi.)***	***E48***	***118***
Database: LUST REG 4, Date of Government Version: 09/07/2004 Database: LUST, Date of Government Version: 12/02/2022 Global ID: T0603700645 Status: Completed - Case Closed Facility Id: 900210052 Status: Case Closed Global Id: T0603700645				
GREYHOUND LINES INC	***1614 E 7TH ST***	***ENE 0 - 1/8 (0.114 mi.)***	***J74***	***221***
Database: LUST, Date of Government Version: 12/02/2022 Status: Completed - Case Closed Global Id: T0603770957				
76 PRODUCTS STATION	***791 CENTRAL AVE S***	***WNW 1/8 - 1/4 (0.209 mi.)***	***AC166***	***457***
Database: LUST REG 4, Date of Government Version: 09/07/2004 Database: LUST, Date of Government Version: 12/02/2022 Global ID: T0603700647 Status: Completed - Case Closed Facility Id: 900210070 Status: Case Closed Global Id: T0603700647				
METRO DIVISION 1 MAI	***1130 EAST 6TH STREET***	***N 1/8 - 1/4 (0.210 mi.)***	***AE170***	***505***
Database: LUST, Date of Government Version: 12/02/2022 Status: Completed - Case Closed Global Id: T10000000634				
LA MTA DIVISION 1	***624 CENTRAL S***	***N 1/8 - 1/4 (0.223 mi.)***	***AI199***	***598***
Database: LUST REG 4, Date of Government Version: 09/07/2004 Database: LUST, Date of Government Version: 12/02/2022 Global ID: T0603700642 Status: Completed - Case Closed Facility Id: 900210016 Status: Case Closed Global Id: T0603700642				
EXXON #7-8407 (FORME	***1935 007TH ST E***	***ENE 1/4 - 1/2 (0.312 mi.)***	***243***	***649***
Database: LUST REG 4, Date of Government Version: 09/07/2004 Database: LUST, Date of Government Version: 12/02/2022 Global ID: T0603700643 Status: Completed - Case Closed Facility Id: 900210034 Status: Case Closed Global Id: T0603700643				
ROLO TRANSPORTATION	***536 SEATON STREET***	***NNE 1/4 - 1/2 (0.400 mi.)***	***AR253***	***685***
Database: LUST, Date of Government Version: 12/02/2022 Status: Completed - Case Closed Global Id: T0603792226				
ARCO	***500 ALAMEDA ST S***	***N 1/4 - 1/2 (0.422 mi.)***	***AR255***	***732***
Database: LUST REG 4, Date of Government Version: 09/07/2004 Database: LUST, Date of Government Version: 12/02/2022 Global ID: T0603700539 Status: Completed - Case Closed Facility Id: 900130016				

Status: Case Closed
Global Id: T10000008419

Lower Elevation	Address	Direction / Distance	Map ID	Page
UNOCAL #0152 FORMER	***1800 OLYMPIC BLVD E***	***S 1/4 - 1/2 (0.320 mi.)***	***AQ245***	***653***

Database: LUST REG 4, Date of Government Version: 09/07/2004
Database: LUST, Date of Government Version: 12/02/2022
Global ID: T0603700649
Status: Completed - Case Closed
Facility Id: 900210098
Status: Case Closed
Global Id: T0603700649

CPS-SLIC: Cleanup Program Sites (CPS; also known as Site Cleanups [SC] and formerly known as Spills, Leaks, Investigations, and Cleanups [SLIC] sites) included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

A review of the CPS-SLIC list, as provided by EDR, has revealed that there are 3 CPS-SLIC sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
ZIMMERMAN DEVELOPMEN	***560 ALAMEDA***	***N 1/4 - 1/2 (0.305 mi.)***	***242***	***648***

Database: SLIC REG 4, Date of Government Version: 11/17/2004
Database: CPS-SLIC, Date of Government Version: 12/02/2022
Facility Status: Completed - Case Closed
Facility Status: No further action required
Global Id: SL2046K1651

ACE PLATING CO., INC	***719 TOWNE AVENUE***	***NW 1/4 - 1/2 (0.476 mi.)***	***AW267***	***910***

Database: CPS-SLIC, Date of Government Version: 12/02/2022
Facility Status: Open - Site Assessment
Global Id: T10000004814

Lower Elevation	Address	Direction / Distance	Map ID	Page
RANCHO ROBLES PROPER	***1910 BAY ST***	***ESE 1/4 - 1/2 (0.300 mi.)***	***241***	***645***

Database: CPS-SLIC, Date of Government Version: 12/02/2022
Facility Status: Open - Assessment & Interim Remedial Action
Global Id: T10000011015

Lists of state and tribal registered storage tanks

UST: The Underground Storage Tank database contains registered USTs. USTs are regulated under Subtitle I of the Resource Conservation and Recovery Act (RCRA). The data come from the State Water Resources Control Board's Hazardous Substance Storage Container Database.

A review of the UST list, as provided by EDR, has revealed that there are 84 UST sites within approximately 0.25 miles of the target property.

EXECUTIVE SUMMARY

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
Not reported Database: LOS ANGELES UST, Date of Government Version: 11/01/2022	760 WAREHOUSE ST	WNW 0 - 1/8 (0.003 mi.)	B3	14
Not reported Database: LOS ANGELES UST, Date of Government Version: 11/01/2022	765 WAREHOUSE	WNW 0 - 1/8 (0.004 mi.)	A4	14
Not reported Database: LOS ANGELES UST, Date of Government Version: 11/01/2022	749 WAREHOUSE ST	WNW 0 - 1/8 (0.013 mi.)	B7	16
SUBURBAN PROPANE Database: LOS ANGELES UST, Date of Government Version: 11/01/2022	700 S ALAMEDA ST	NNE 0 - 1/8 (0.014 mi.)	D14	20
Not reported Database: LOS ANGELES UST, Date of Government Version: 11/01/2022	728 S ALAMEDA ST	NE 0 - 1/8 (0.019 mi.)	A17	23
COMMERCIAL SUPER SER Database: LOS ANGELES UST, Date of Government Version: 11/01/2022	1345 E 7TH ST	N 0 - 1/8 (0.068 mi.)	E33	83
Not reported Database: LOS ANGELES UST, Date of Government Version: 11/01/2022	725 CHANNING ST	NE 0 - 1/8 (0.076 mi.)	J43	109
GREYHOUND Database: LOS ANGELES UST, Date of Government Version: 11/01/2022	725 S CHANNING ST	NE 0 - 1/8 (0.076 mi.)	J45	109
Not reported Database: LOS ANGELES UST, Date of Government Version: 11/01/2022	710 TERMINAL ST	NNW 0 - 1/8 (0.081 mi.)	K47	118
S E RYKOFF & CO Database: LOS ANGELES UST, Date of Government Version: 11/01/2022	737 S TERMINAL ST	NW 0 - 1/8 (0.089 mi.)	L50	123
Not reported Database: LOS ANGELES UST, Date of Government Version: 11/01/2022	761 TERMINAL ST	WNW 0 - 1/8 (0.093 mi.)	L53	127
S E RYKOFF & CO Database: LOS ANGELES UST, Date of Government Version: 11/01/2022	761 S TERMINAL ST	WNW 0 - 1/8 (0.093 mi.)	L54	127
Not reported Database: LOS ANGELES UST, Date of Government Version: 11/01/2022	1366 E 7TH ST	NNW 0 - 1/8 (0.099 mi.)	K65	149
Not reported Database: LOS ANGELES UST, Date of Government Version: 11/01/2022	775 TERMINAL ST	W 0 - 1/8 (0.102 mi.)	I69	150
GREYHOUND LINES INC Database: LOS ANGELES UST, Date of Government Version: 11/01/2022	***1614 E 7TH ST***	***ENE 0 - 1/8 (0.114 mi.)***	***J71***	***151***
GREYHOUND LINES, INC Database: UST, Date of Government Version: 12/02/2022 Facility Id: FA0003095	1614 EAST 7TH STREET	ENE 0 - 1/8 (0.114 mi.)	J73	220
GREYHOUND LINES INC. Database: UST, Date of Government Version: 12/02/2022 Facility Id: 24986	1614 E 7TH ST	ENE 0 - 1/8 (0.114 mi.)	J76	260
Not reported Database: LOS ANGELES UST, Date of Government Version: 11/01/2022	1525 INDUSTRIAL ST	NNE 0 - 1/8 (0.115 mi.)	H79	264
Not reported Database: LOS ANGELES UST, Date of Government Version: 11/01/2022	1538 INDUSTRIAL ST	NE 0 - 1/8 (0.116 mi.)	O86	287
Not reported Database: LOS ANGELES UST, Date of Government Version: 11/01/2022	1548 INDUSTRIAL ST	NE 1/8 - 1/4 (0.132 mi.)	O88	290
Not reported Database: LOS ANGELES UST, Date of Government Version: 11/01/2022	1229 WHOLESALE ST	NNE 1/8 - 1/4 (0.134 mi.)	P89	290
Not reported Database: LOS ANGELES UST, Date of Government Version: 11/01/2022	608 S ALAMEDA ST	N 1/8 - 1/4 (0.136 mi.)	P93	292
Not reported Database: LOS ANGELES UST, Date of Government Version: 11/01/2022	1248 WHOLESALE ST	NNE 1/8 - 1/4 (0.137 mi.)	P94	292

EXECUTIVE SUMMARY

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
Not reported Database: LOS ANGELES UST, Date of Government Version: 11/01/2022	719 LAWRENCE ST	ENE 1/8 - 1/4 (0.144 mi.)	95	292
Not reported Database: LOS ANGELES UST, Date of Government Version: 11/01/2022	746 S CENTRAL AVE	NW 1/8 - 1/4 (0.158 mi.)	R96	292
Not reported Database: LOS ANGELES UST, Date of Government Version: 11/01/2022	1570 E INDUSTRIAL ST	NE 1/8 - 1/4 (0.168 mi.)	U102	301
Not reported Database: LOS ANGELES UST, Date of Government Version: 11/01/2022	1292-1298 WHOLESALE	NE 1/8 - 1/4 (0.169 mi.)	X112	382
Not reported Database: LOS ANGELES UST, Date of Government Version: 11/01/2022	731 S CENTRAL AVE	NW 1/8 - 1/4 (0.170 mi.)	R116	386
TIJUANA PRODUCE Database: LOS ANGELES UST, Date of Government Version: 11/01/2022	733 S CENTRAL AVE	NW 1/8 - 1/4 (0.173 mi.)	R124	412
Not reported Database: LOS ANGELES UST, Date of Government Version: 11/01/2022	1225 E 7TH ST	NNW 1/8 - 1/4 (0.191 mi.)	AA134	419
Not reported Database: LOS ANGELES UST, Date of Government Version: 11/01/2022	785 S CENTRAL AVE	WNW 1/8 - 1/4 (0.193 mi.)	AC138	429
Not reported Database: LOS ANGELES UST, Date of Government Version: 11/01/2022	1580 INDUSTRIAL ST	NE 1/8 - 1/4 (0.195 mi.)	U139	430
Not reported Database: LOS ANGELES UST, Date of Government Version: 11/01/2022	704 MERCHANT ST	NW 1/8 - 1/4 (0.200 mi.)	W141	430
Not reported Database: LOS ANGELES UST, Date of Government Version: 11/01/2022	712-728 MERCHANT ST	NW 1/8 - 1/4 (0.202 mi.)	W145	433
LOS ANGELES SEED COM Database: UST, Date of Government Version: 12/02/2022 Facility Id: 23549	736 MERCHANT ST	NW 1/8 - 1/4 (0.202 mi.)	R150	442
LOS ANGELES SEED CO Database: LOS ANGELES UST, Date of Government Version: 11/01/2022	736 S MERCHANT ST	NW 1/8 - 1/4 (0.202 mi.)	R151	443
Not reported Database: LOS ANGELES UST, Date of Government Version: 11/01/2022	738 MERCHANT ST	NW 1/8 - 1/4 (0.205 mi.)	R155	445
CARDLOCK FUEL Database: UST, Date of Government Version: 12/02/2022 Facility Id: 23854	791 S CENTRAL AVE	WNW 1/8 - 1/4 (0.209 mi.)	AC158	448
CARDLOCK FUEL SYSTEM Database: LOS ANGELES UST, Date of Government Version: 11/01/2022	791 S CENTRAL AVE	WNW 1/8 - 1/4 (0.209 mi.)	AC159	449
CFS 121 CENTRAL Database: UST, Date of Government Version: 12/02/2022 Facility Id: FA0030678	791 S CENTRAL AVE	WNW 1/8 - 1/4 (0.209 mi.)	AC162	452
LA COUNTY METROPOLIT Database: LOS ANGELES UST, Date of Government Version: 11/01/2022 Database: UST, Date of Government Version: 12/02/2022 Facility Id: FA0020679	1130 E 6TH ST	N 1/8 - 1/4 (0.210 mi.)	AE171	510
Not reported Database: LOS ANGELES UST, Date of Government Version: 11/01/2022	6TH & ALAMEDA	N 1/8 - 1/4 (0.211 mi.)	AE172	512
Not reported Database: LOS ANGELES UST, Date of Government Version: 11/01/2022	1220 E 7TH ST	NNW 1/8 - 1/4 (0.213 mi.)	AG178	516
Not reported Database: LOS ANGELES UST, Date of Government Version: 11/01/2022	1228 E INDUSTRIAL ST	NNW 1/8 - 1/4 (0.215 mi.)	AA180	517

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
Not reported Database: LOS ANGELES UST, Date of Government Version: 11/01/2022	776-8 MERCHANT ST	WNW 1/8 - 1/4 (0.219 mi.)	AC182	519
LA COUNTY METROPOLIT Database: LOS ANGELES UST, Date of Government Version: 11/01/2022	1016 E 6TH ST	N 1/8 - 1/4 (0.221 mi.)	AE185	581
Not reported Database: LOS ANGELES UST, Date of Government Version: 11/01/2022	1216 INDUSTRIAL ST	NNW 1/8 - 1/4 (0.221 mi.)	AG188	586
Not reported Database: LOS ANGELES UST, Date of Government Version: 11/01/2022	1217 INDUSTRIAL ST	NNW 1/8 - 1/4 (0.221 mi.)	AA189	587
KIRMAN PLUMBING CO Database: LOS ANGELES UST, Date of Government Version: 11/01/2022	794 S MERCHANT ST	WNW 1/8 - 1/4 (0.221 mi.)	AC194	591
M T A Database: LOS ANGELES UST, Date of Government Version: 11/01/2022 Database: UST, Date of Government Version: 12/02/2022 Facility Id: 24429	624 S CENTRAL AVE	N 1/8 - 1/4 (0.223 mi.)	AI203	607
Not reported Database: LOS ANGELES UST, Date of Government Version: 11/01/2022	1750 E 7TH ST	ENE 1/8 - 1/4 (0.226 mi.)	AL208	611
Not reported Database: LOS ANGELES UST, Date of Government Version: 11/01/2022	585 S CENTRAL AVE	N 1/8 - 1/4 (0.237 mi.)	AI219	617
Not reported Database: LOS ANGELES UST, Date of Government Version: 11/01/2022	777 MERCHANT ST	WNW 1/8 - 1/4 (0.238 mi.)	AC222	618
LASCO REALTY CO LLC Database: LOS ANGELES UST, Date of Government Version: 11/01/2022	775 MERCHANT ST	WNW 1/8 - 1/4 (0.241 mi.)	AM227	622

Lower Elevation	Address	Direction / Distance	Map ID	Page
STATE WIDE SALES, IN Database: LOS ANGELES UST, Date of Government Version: 11/01/2022 Database: UST, Date of Government Version: 12/02/2022 Facility Id: 23975	742 S ALAMEDA ST	SSE 0 - 1/8 (0.013 mi.)	C8	16
Not reported Database: LOS ANGELES UST, Date of Government Version: 11/01/2022	740-748 S ALAMEDA ST	SSE 0 - 1/8 (0.013 mi.)	C11	19
Not reported Database: LOS ANGELES UST, Date of Government Version: 11/01/2022	748 S ALAMEDA ST	SSE 0 - 1/8 (0.014 mi.)	C12	19
Not reported Database: LOS ANGELES UST, Date of Government Version: 11/01/2022	730 S ALAMEDA ST	ESE 0 - 1/8 (0.066 mi.)	G28	33
THE ROW Database: LOS ANGELES UST, Date of Government Version: 11/01/2022 Database: UST, Date of Government Version: 12/02/2022 Facility Id: FA0039360	767 S ALAMEDA ST	S 0 - 1/8 (0.067 mi.)	F30	79
Not reported Database: LOS ANGELES UST, Date of Government Version: 11/01/2022	800 S MC GARRY ST	S 0 - 1/8 (0.095 mi.)	N60	141
Not reported Database: LOS ANGELES UST, Date of Government Version: 11/01/2022	1520 E 8TH ST	WSW 0 - 1/8 (0.100 mi.)	M67	149
Not reported Database: LOS ANGELES UST, Date of Government Version: 11/01/2022	1804 E 8TH ST	S 1/8 - 1/4 (0.134 mi.)	Q91	291
Not reported Database: LOS ANGELES UST, Date of Government Version: 11/01/2022	1400 E 8TH ST	W 1/8 - 1/4 (0.161 mi.)	S98	299
Not reported Database: LOS ANGELES UST, Date of Government Version: 11/01/2022	1024 LAWRENCE ST	SE 1/8 - 1/4 (0.164 mi.)	T99	300

EXECUTIVE SUMMARY

Lower Elevation	Address	Direction / Distance	Map ID	Page
LOS ANGELES TIMES -	2000 E 8TH ST	SSE 1/8 - 1/4 (0.169 mi.)	V107	362
Database: LOS ANGELES UST, Date of Government Version: 11/01/2022 Database: UST, Date of Government Version: 12/02/2022 Facility Id: FA0019548				
LOS ANGELES TIMES OL	2000 E 8TH ST	SSE 1/8 - 1/4 (0.169 mi.)	V110	378
Database: UST, Date of Government Version: 12/02/2022 Facility Id: 23572				
AMERICAN PRODUCE CO	1601 E OLYMPIC BLVD	SW 1/8 - 1/4 (0.171 mi.)	Z120	394
Database: LOS ANGELES UST, Date of Government Version: 11/01/2022				
Not reported	1340 E 8TH ST	W 1/8 - 1/4 (0.179 mi.)	S128	414
Database: LOS ANGELES UST, Date of Government Version: 11/01/2022				
Not reported	1150 LAWRENCE ST	SSE 1/8 - 1/4 (0.185 mi.)	T131	415
Database: LOS ANGELES UST, Date of Government Version: 11/01/2022				
Not reported	1325 E OLYMPIC BLVD	WSW 1/8 - 1/4 (0.200 mi.)	AD143	431
Database: LOS ANGELES UST, Date of Government Version: 11/01/2022				
Not reported	1261 E 8TH ST	W 1/8 - 1/4 (0.202 mi.)	AC152	443
Database: LOS ANGELES UST, Date of Government Version: 11/01/2022				
Not reported	1610 E OLYMPIC BLVD	SSW 1/8 - 1/4 (0.203 mi.)	AB154	444
Database: LOS ANGELES UST, Date of Government Version: 11/01/2022				
UNITED MELON DISTRIB	1811 E SACRAMENTO ST	SE 1/8 - 1/4 (0.212 mi.)	AF176	515
Database: LOS ANGELES UST, Date of Government Version: 11/01/2022				
Not reported	825-27 S CENTRAL AVE	W 1/8 - 1/4 (0.212 mi.)	S177	515
Database: LOS ANGELES UST, Date of Government Version: 11/01/2022				
Not reported	799 S ALAMEDA ST	S 1/8 - 1/4 (0.225 mi.)	AK206	611
Database: LOS ANGELES UST, Date of Government Version: 11/01/2022				
Not reported	1225-1227 E 8TH ST	WNW 1/8 - 1/4 (0.226 mi.)	AC210	613
Database: LOS ANGELES UST, Date of Government Version: 11/01/2022				
Not reported	875 S ALAMEDA ST	S 1/8 - 1/4 (0.233 mi.)	AK216	615
Database: LOS ANGELES UST, Date of Government Version: 11/01/2022				
Not reported	OLYMPIC BL & CENTRAL	WSW 1/8 - 1/4 (0.236 mi.)	AO218	617
Database: LOS ANGELES UST, Date of Government Version: 11/01/2022				
Not reported	1750-60 E OLYMPIC BL	S 1/8 - 1/4 (0.237 mi.)	AK220	617
Database: LOS ANGELES UST, Date of Government Version: 11/01/2022				
Not reported	1900 HUNTER ST	S 1/8 - 1/4 (0.239 mi.)	AK224	619
Database: LOS ANGELES UST, Date of Government Version: 11/01/2022				
Not reported	1300-02 E OLYMPIC BL	WSW 1/8 - 1/4 (0.239 mi.)	AO225	619
Database: LOS ANGELES UST, Date of Government Version: 11/01/2022				
Not reported	1950-60 HUNTER ST	S 1/8 - 1/4 (0.244 mi.)	AK230	623
Database: LOS ANGELES UST, Date of Government Version: 11/01/2022				
Not reported	927 NAOMI AVE	SW 1/8 - 1/4 (0.247 mi.)	AP232	624
Database: LOS ANGELES UST, Date of Government Version: 11/01/2022				
Not reported	2000 HUNTER ST	S 1/8 - 1/4 (0.250 mi.)	238	642
Database: LOS ANGELES UST, Date of Government Version: 11/01/2022				

AST: A listing of aboveground storage tank petroleum storage tank locations.

A review of the AST list, as provided by EDR, has revealed that there are 3 AST sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
GREYHOUND LINES INC	***1614 E 7TH ST***	***ENE 0 - 1/8 (0.114 mi.)***	***J71***	***151***
Database: LOS ANGELES AST, Date of Government Version: 06/01/2019				
GREYHOUND LINES, INC	1614 EAST 7TH STREET	ENE 0 - 1/8 (0.114 mi.)	J77	261
Database: AST, Date of Government Version: 07/06/2016				
LA COUNTY METROPOLIT	***1130 E 6TH ST***	***N 1/8 - 1/4 (0.210 mi.)***	***AE167***	***461***
Database: LOS ANGELES AST, Date of Government Version: 06/01/2019				

Lists of state and tribal voluntary cleanup sites

VCP: Contains low threat level properties with either confirmed or unconfirmed releases and the project proponents have request that DTSC oversee investigation and/or cleanup activities and have agreed to provide coverage for DTSC's costs.

A review of the VCP list, as provided by EDR, and dated 10/24/2022 has revealed that there are 3 VCP sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
FARMERS PRODUCE PROJ	***725 CHANNING ST***	***NE 0 - 1/8 (0.076 mi.)***	***J46***	***110***
Status: Certified				
Facility Id: 19490227				
AT MATEO	***555 MATEO***	***NE 1/4 - 1/2 (0.472 mi.)***	***265***	***896***
Status: Certified				
Facility Id: 60002188				

Lower Elevation	Address	Direction / Distance	Map ID	Page
COCA-COLA BOTTLING C	***1334 S CENTRAL***	***SW 1/4 - 1/2 (0.426 mi.)***	***256***	***807***
Status: Active				
Facility Id: 60003104				

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS: The EPA's listing of Brownfields properties from the Cleanups in My Community program, which provides information on Brownfields properties for which information is reported back to EPA, as well as areas served by Brownfields grant programs.

A review of the US BROWNFIELDS list, as provided by EDR, and dated 02/23/2022 has revealed that there are 4 US BROWNFIELDS sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
SITE 1 WEST - BRIDGE	580 SOUTH ALAMEDA ST	N 1/4 - 1/2 (0.258 mi.)	AE239	642

ACRES property ID: 167382 Cleanup Completion Date: -				
CENTRAL AND SIXTH ACRES property ID: 239946 Cleanup Completion Date: -	***500 S CENTRAL AVENUE***	***N 1/4 - 1/2 (0.350 mi.)***	***248***	***657***
SITE 2 EAST - BRIDGE ACRES property ID: 167381 Cleanup Completion Date: -	E 6TH ST EASTERN POR	NNW 1/4 - 1/2 (0.393 mi.)	250	680

Lower Elevation	Address	Direction / Distance	Map ID	Page
1601 EAST OLYMPIC BL ACRES property ID: 11450 Cleanup Completion Date: -	***1601 EAST OLYMPIC BL***	***SW 1/8 - 1/4 (0.171 mi.)***	***Z119***	***392***

Local Lists of Landfill / Solid Waste Disposal Sites

SWRCY: A listing of recycling facilities in California.

A review of the SWRCY list, as provided by EDR, and dated 12/02/2022 has revealed that there are 7 SWRCY sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
THINK GREEN RECYCLE Cert Id: RC296856.001	740 MERCHANT ST	NW 1/8 - 1/4 (0.206 mi.)	R156	445
DOWNTOWN METALS & RE Cert Id: RC7892	***526 S ALAMEDA ST***	***N 1/4 - 1/2 (0.378 mi.)***	***AR249***	***662***
GREEN CO RECYCLING Cert Id: RC296105.001	714 E 7TH ST	NW 1/4 - 1/2 (0.482 mi.)	AW268	914

Lower Elevation	Address	Direction / Distance	Map ID	Page
CHRIS RECYCLING Cert Id: RC14643	***1024 S CENTRAL AVE***	***WSW 1/4 - 1/2 (0.279 mi.)***	***240***	***644***
RECYCLE INDEED Cert Id: RC306277.001	1914 E OLYMPIC BLVD	SSE 1/4 - 1/2 (0.333 mi.)	247	656
GREEN LA RECYCLING Cert Id: RC276467.001	1738 E 14TH ST	S 1/4 - 1/2 (0.431 mi.)	AU262	890
FREEWAY RECYCLING Cert Id: RC197892.001	***1320 MATEO ST***	***SE 1/4 - 1/2 (0.476 mi.)***	***266***	***909***

Local Lists of Hazardous waste / Contaminated Sites

HIST Cal-Sites: Formerly known as ASPIS, this database contains both known and potential hazardous substance sites. The source is the California Department of Toxic Substance Control. No longer updated by the state agency. It has been replaced by ENVIROSTOR.

A review of the HIST Cal-Sites list, as provided by EDR, and dated 08/08/2005 has revealed that there

are 4 HIST Cal-Sites sites within approximately 1 mile of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
DEAN AND ASSOCIATES	***700 SOUTH SANTA FE A***	***E 1/2 - 1 (0.515 mi.)***	***AX271***	***919***
BUTTERFIELD (SUN CHE	590 SOUTH SANTA FE A	NE 1/2 - 1 (0.582 mi.)	AY276	933
Lower Elevation	**Address**	**Direction / Distance**	**Map ID**	**Page**
WESTERN LEAD AND MET	***2182 EAST 11TH STREE***	***SSE 1/2 - 1 (0.598 mi.)***	***AZ279***	***967***
SO CAL GAS/OLYMPIC B	***2424 E OLYMPIC BLVD***	***SE 1/2 - 1 (0.701 mi.)***	***BA286***	***1107***

CERS HAZ WASTE: List of sites in the California Environmental Protection Agency (CalEPA) Regulated Site Portal which fall under the Hazardous Chemical Management, Hazardous Waste Onsite Treatment, Household Hazardous Waste Collection, Hazardous Waste Generator, and RCRA LQ HW Generator programs.

A review of the CERS HAZ WASTE list, as provided by EDR, and dated 01/05/2023 has revealed that there are 6 CERS HAZ WASTE sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
GREYHOUND LINES INC.	***1614 E 7TH ST***	***ENE 0 - 1/8 (0.114 mi.)***	***J75***	***228***
LA COUNTY METROPOLIT	***1130 E 6TH ST***	***N 1/8 - 1/4 (0.210 mi.)***	***AE167***	***461***
Lower Elevation	**Address**	**Direction / Distance**	**Map ID**	**Page**
ALAMEDA SQUARE OWNER	***767 S ALAMEDA ST***	***S 0 - 1/8 (0.067 mi.)***	***F29***	***33***
TIMES MIRROR CO, LOS	***2000 E 8TH ST***	***SSE 1/8 - 1/4 (0.169 mi.)***	***V106***	***324***
LOS ANGELES WHOLESAL	1601 E OLYMPIC BLVD	SW 1/8 - 1/4 (0.171 mi.)	Z122	408
THE KOREA TIMES LOS	***2017 E 8TH ST***	***SE 1/8 - 1/4 (0.202 mi.)***	***T147***	***436***

Local Lists of Registered Storage Tanks

SWEEPS UST: Statewide Environmental Evaluation and Planning System. This underground storage tank listing was updated and maintained by a company contacted by the SWRCB in the early 1990's. The listing is no longer updated or maintained. The local agency is the contact for more information on a site on the SWEEPS list.

A review of the SWEEPS UST list, as provided by EDR, and dated 06/01/1994 has revealed that there are 32 SWEEPS UST sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
COMMERCIAL SUPER SER	***1345 E 7TH ST***	***N 0 - 1/8 (0.068 mi.)***	***E35***	***84***
Status: A Tank Status: A Comp Number: 966				
FARMERS PRODUCE PROJ	***725 CHANNING ST***	***NE 0 - 1/8 (0.076 mi.)***	***J46***	***110***
Comp Number: 7314				
S E RYKOFF & COMPANY	***761 TERMINAL ST***	***WNW 0 - 1/8 (0.093 mi.)***	***L56***	***131***
Status: A Tank Status: A Comp Number: 1162				
GREYHOUND LINES INC.	***1614 E 7TH ST***	***ENE 0 - 1/8 (0.114 mi.)***	***J75***	***228***

Status: A Comp Number: 104				
CUTTER LABORATORY Status: A Comp Number: 13938	1630 INDUSTRIAL WAY	NE 1/8 - 1/4 (0.164 mi.)	O100	300
IRVING S YORK Comp Number: 4577	***1570 E INDUSTRIAL ST***	***NE 1/8 - 1/4 (0.168 mi.)***	***U101***	***300***
C E ENCELL Comp Number: 6201	***733 S CENTRAL AVE***	***NW 1/8 - 1/4 (0.173 mi.)***	***R125***	***412***
LOS ANGELES SEED COM Status: A Tank Status: A Comp Number: 676	***736 MERCHANT ST***	***NW 1/8 - 1/4 (0.202 mi.)***	***R149***	***441***
UNOCAL 76, SERVICE S Status: A Tank Status: A Comp Number: 3001	***791 S CENTRAL AVE***	***WNW 1/8 - 1/4 (0.209 mi.)***	***AC161***	***450***
J L G CONSTRUCTION C Comp Number: 6918	***1228 INDUSTRIAL ST***	***NNW 1/8 - 1/4 (0.215 mi.)***	***AA179***	***516***
KIRMAN PLUMBING COMP Comp Number: 457	***794 MERCHANT ST***	***WNW 1/8 - 1/4 (0.221 mi.)***	***AC191***	***590***
RTD DIVISION 1-ALAME Status: A Tank Status: A Comp Number: 1864	624 S CENTRAL AVE	N 1/8 - 1/4 (0.223 mi.)	AI201	602
SO CALIF RAPID TRANS Status: A Comp Number: 8254	624 S CENTRAL AVE	N 1/8 - 1/4 (0.223 mi.)	AI202	607
PROGRESSIVE PRODUCE Comp Number: 1161	***1266 E 6TH ST***	***NNE 1/8 - 1/4 (0.224 mi.)***	***AJ205***	***609***
MALKI SHEEL SERVICE Comp Number: 8082	***1750 E 7TH ST***	***ENE 1/8 - 1/4 (0.226 mi.)***	***AL209***	***612***
AUTO REPAIR Comp Number: 176	***761 MERCHANT ST***	***WNW 1/8 - 1/4 (0.233 mi.)***	***AM212***	***613***
L A SMOKING & CURRIN Comp Number: 6431	***777 MERCHANT ST***	***WNW 1/8 - 1/4 (0.238 mi.)***	***AC223***	***618***

Lower Elevation	Address	Direction / Distance	Map ID	Page
MUTUAL LIQUID GAS/EQ Comp Number: 4564	***744 S ALAMEDA ST***	***SSE 0 - 1/8 (0.013 mi.)***	***C6***	***15***
STATE WIDE SALES COM Status: A Tank Status: A Comp Number: 574	***742 S ALAMEDA ST***	***SSE 0 - 1/8 (0.013 mi.)***	***C10***	***18***
ADOLPH COORS COMAPAN Comp Number: 742	***780 S ALAMEDA ST***	***S 0 - 1/8 (0.059 mi.)***	***F26***	***31***
MAP WAREHOUSE INC Comp Number: 7311	***800 MCGARRY ST***	***S 0 - 1/8 (0.095 mi.)***	***N59***	***140***
SUN TOME CO	***1804 E 8TH ST***	***S 1/8 - 1/4 (0.134 mi.)***	***Q90***	***290***

Comp Number: 7467				
CHAFFEE WHOLESALE Comp Number: 3795	800 S ALAMEDA ST	S 1/8 - 1/4 (0.135 mi.)	N92	291
LOS ANGELES TIMES CO Status: A Comp Number: 6347	***2000 E 8TH ST***	***SSE 1/8 - 1/4 (0.169 mi.)***	***V108***	***363***
LOS ANGELES TIMES Comp Number: 7136	***1150 LAWRENCE ST***	***SSE 1/8 - 1/4 (0.185 mi.)***	***T130***	***414***
L A WHOLESALE PRODUC Comp Number: 6866	***1602 E OLYMPIC BLVD***	***SSW 1/8 - 1/4 (0.189 mi.)***	***AB132***	***415***
L A COUNTY COMMUNITY Comp Number: 6674	***1325 E OLYMPIC BLVD***	***WSW 1/8 - 1/4 (0.200 mi.)***	***AD142***	***430***
BRACHMON Comp Number: 7028	***1610 E OLYMPIC BLVD***	***SSW 1/8 - 1/4 (0.203 mi.)***	***AB153***	***444***
UNITED MELON DISTRIB Comp Number: 854	***1811 SACRAMENTO ST***	***SE 1/8 - 1/4 (0.212 mi.)***	***AF175***	***513***
MOBILE REFRIGERATION Comp Number: 7510	***1740 E OLYMPIC BLVD***	***S 1/8 - 1/4 (0.235 mi.)***	***AH217***	***616***
PAT & SONS POULTRY I Comp Number: 45	***927 N NAOMI ST***	***SW 1/8 - 1/4 (0.247 mi.)***	***AP233***	***624***
CHEVRON STATION 9144 Comp Number: 3498	***1266 E OLYMPIC BLVD***	***WSW 1/8 - 1/4 (0.248 mi.)***	***AO236***	***632***

HIST UST: Historical UST Registered Database.

A review of the HIST UST list, as provided by EDR, and dated 10/15/1990 has revealed that there are 26 HIST UST sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
COMMERCIAL SUPER SER Facility Id: 00000008084	1345 E 7TH ST	N 0 - 1/8 (0.068 mi.)	E31	80
COMMERCIAL SUPER SER	1345 EAST SEVENTH ST	N 0 - 1/8 (0.068 mi.)	E32	82
S E RYKOFF CO Facility Id: 00000017283	***761 TERMINAL ST***	***WNW 0 - 1/8 (0.093 mi.)***	***L55***	***128***
S E RYKOFF & COMPANY	***761 TERMINAL ST***	***WNW 0 - 1/8 (0.093 mi.)***	***L56***	***131***
GREYHOUND LINES INC	***1614 E 7TH ST***	***ENE 0 - 1/8 (0.114 mi.)***	***J71***	***151***
GREYHOUND LINES INC Facility Id: 00000003027 Facility Id: 00000003024	***1614 E 7TH ST***	***ENE 0 - 1/8 (0.114 mi.)***	***J74***	***221***
LOS ANGELES SEED COM Facility Id: 00000006327	***736 MERCHANT ST***	***NW 1/8 - 1/4 (0.202 mi.)***	***R149***	***441***
SERVICE STATION 4010 Facility Id: 00000018962	791 S CENTRAL AVE	WNW 1/8 - 1/4 (0.209 mi.)	AC160	449
UNOCAL 76, SERVICE S	***791 S CENTRAL AVE***	***WNW 1/8 - 1/4 (0.209 mi.)***	***AC161***	***450***
CONTINENTAL AUTO-UNI Facility Id: 00000055524	791 S CENTRAL	WNW 1/8 - 1/4 (0.209 mi.)	AC163	453
UNION OIL SERVICE ST	791 S CENTRAL AVE	WNW 1/8 - 1/4 (0.209 mi.)	AC165	457

Facility Id: 00000056012				
DIVISION 1 - ALAMEDA	***1016 E 6TH STREET***	***N 1/8 - 1/4 (0.221 mi.)***	***AE184***	***520***
LA COUNTY METROPOLIT	***1016 E 6TH ST***	***N 1/8 - 1/4 (0.221 mi.)***	***AE187***	***585***
Facility Id: 00000033833				
KIRMAN PLUMBING CO	794 MERCHANT ST	WNW 1/8 - 1/4 (0.221 mi.)	AC192	591
Facility Id: 00000004979				
PROGRESSIVE PRODUCE	1266 E 6TH ST	NNE 1/8 - 1/4 (0.224 mi.)	AJ204	608
Facility Id: 00000017274				
PROGRESSIVE PRODUCE	***1266 E 6TH ST***	***NNE 1/8 - 1/4 (0.224 mi.)***	***AJ205***	***609***
TI AUTO SERVICE	761 MERCHANT ST	WNW 1/8 - 1/4 (0.233 mi.)	AM213	614
Facility Id: 00000003236				

Lower Elevation	Address	Direction / Distance	Map ID	Page
STATE WIDE SALES CO.	742 S ALAMEDA ST	SSE 0 - 1/8 (0.013 mi.)	C9	17
Facility Id: 00000005352				
STATE WIDE SALES COM	***742 S ALAMEDA ST***	***SSE 0 - 1/8 (0.013 mi.)***	***C10***	***18***
WESTERN WAREHOUSING	780 S ALAMEDA	S 0 - 1/8 (0.059 mi.)	F25	30
Facility Id: 00000006521				
SAME AS ABOVE	1811 SACRAMENTO ST	SE 1/8 - 1/4 (0.212 mi.)	AF173	512
Facility Id: 00000007730				
UNITED MELON DISTRIB	***1811 SACRAMENTO ST***	***SE 1/8 - 1/4 (0.212 mi.)***	***AF175***	***513***
CHAFFEE WHSE	821 S ALAMEDA ST	S 1/8 - 1/4 (0.228 mi.)	AK211	613
Facility Id: 00000064461				
PAT & SONS POULTRY,	927 NAOMI AVE	SW 1/8 - 1/4 (0.247 mi.)	AP231	623
Facility Id: 00000000518				
PAT & SONS POULTRY I	***927 N NAOMI ST***	***SW 1/8 - 1/4 (0.247 mi.)***	***AP233***	***624***
91442	1266 E OLYMPIC BLVD	WSW 1/8 - 1/4 (0.248 mi.)	AO235	631
Facility Id: 00000062060				

CERS TANKS: List of sites in the California Environmental Protection Agency (CalEPA) Regulated Site Portal which fall under the Aboveground Petroleum Storage and Underground Storage Tank regulatory programs.

A review of the CERS TANKS list, as provided by EDR, and dated 01/06/2023 has revealed that there are 4 CERS TANKS sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
GREYHOUND LINES INC.	***1614 E 7TH ST***	***ENE 0 - 1/8 (0.114 mi.)***	***J75***	***228***
LA COUNTY METROPOLIT	***1130 E 6TH ST***	***N 1/8 - 1/4 (0.210 mi.)***	***AE167***	***461***

Lower Elevation	Address	Direction / Distance	Map ID	Page
ALAMEDA SQUARE OWNER	***767 S ALAMEDA ST***	***S 0 - 1/8 (0.067 mi.)***	***F29***	***33***
TIMES MIRROR CO, LOS	***2000 E 8TH ST***	***SSE 1/8 - 1/4 (0.169 mi.)***	***V106***	***324***

CA FID UST: The Facility Inventory Database contains active and inactive underground storage tank locations. The source is the State Water Resource Control Board.

A review of the CA FID UST list, as provided by EDR, and dated 10/31/1994 has revealed that there are 29 CA FID UST sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
COMMERCIAL SUPER SER Facility Id: 19055360 Status: A	***1345 E 7TH ST***	***N 0 - 1/8 (0.058 mi.)***	***E35***	***84***
FARMERS PRODUCE PROJ Facility Id: 19008153 Status: I	***725 CHANNING ST***	***NE 0 - 1/8 (0.076 mi.)***	***J46***	***110***
S E RYKOFF & COMPANY Facility Id: 19012492 Status: A	***761 TERMINAL ST***	***WNW 0 - 1/8 (0.093 mi.)***	***L56***	***131***
GREYHOUND LINES INC. Facility Id: 19015423 Status: A	***1614 E 7TH ST***	***ENE 0 - 1/8 (0.114 mi.)***	***J75***	***228***
IRVING S YORK Facility Id: 19054355 Status: I	***1570 E INDUSTRIAL ST***	***NE 1/8 - 1/4 (0.168 mi.)***	***U101***	***300***
C E ENCELL Facility Id: 19056189 Status: A	***733 S CENTRAL AVE***	***NW 1/8 - 1/4 (0.173 mi.)***	***R125***	***412***
LOS ANGELES SEED COM Facility Id: 19055335 Status: A	***736 MERCHANT ST***	***NW 1/8 - 1/4 (0.202 mi.)***	***R149***	***441***
UNOCAL 76, SERVICE S Facility Id: 19023316 Status: A	***791 S CENTRAL AVE***	***WNW 1/8 - 1/4 (0.209 mi.)***	***AC161***	***450***
LA CO METRO TRANS AU Facility Id: 19055431 Status: A	***1130 E 6TH ST***	***N 1/8 - 1/4 (0.210 mi.)***	***AE168***	***501***
J L G CONSTRUCTION C Facility Id: 19056386 Status: A	***1228 INDUSTRIAL ST***	***NNW 1/8 - 1/4 (0.215 mi.)***	***AA179***	***516***
KIRMAN PLUMBING COMP Facility Id: 19055311 Status: A	***794 MERCHANT ST***	***WNW 1/8 - 1/4 (0.221 mi.)***	***AC191***	***590***
PROGRESSIVE PRODUCE Facility Id: 19011632 Status: I	***1266 E 6TH ST***	***NNE 1/8 - 1/4 (0.224 mi.)***	***AJ205***	***609***
MALKI SHEEL SERVICE Facility Id: 19056581 Status: A	***1750 E 7TH ST***	***ENE 1/8 - 1/4 (0.226 mi.)***	***AL209***	***612***
AUTO REPAIR Facility Id: 19019782 Status: A	***761 MERCHANT ST***	***WNW 1/8 - 1/4 (0.233 mi.)***	***AM212***	***613***
L A SMOKING & CURRIN	***777 MERCHANT ST***	***WNW 1/8 - 1/4 (0.238 mi.)***	***AC223***	***618***

Facility Id: 19056226
Status: A

Lower Elevation	Address	Direction / Distance	Map ID	Page
MUTUAL LIQUID GAS/EQ Facility Id: 19055834 Status: A	***744 S ALAMEDA ST***	***SSE 0 - 1/8 (0.013 mi.)***	***C6***	***15***
STATE WIDE SALES COM Facility Id: 19055326 Status: A	***742 S ALAMEDA ST***	***SSE 0 - 1/8 (0.013 mi.)***	***C10***	***18***
ADOLPH COORS COMAPAN Facility Id: 19009999 Status: I	***780 S ALAMEDA ST***	***S 0 - 1/8 (0.059 mi.)***	***F26***	***31***
MAP WAREHOUSE INC Facility Id: 19012327 Status: I	***800 MCGARRY ST***	***S 0 - 1/8 (0.095 mi.)***	***N59***	***140***
SUN TOME CO Facility Id: 19009985 Status: I	***1804 E 8TH ST***	***S 1/8 - 1/4 (0.134 mi.)***	***Q90***	***290***
LOS ANGELES TIMES CO Facility Id: 19012300 Status: A	***2000 E 8TH ST***	***SSE 1/8 - 1/4 (0.169 mi.)***	***V108***	***363***
LOS ANGELES TIMES Facility Id: 19056444 Status: A	***1150 LAWRENCE ST***	***SSE 1/8 - 1/4 (0.185 mi.)***	***T130***	***414***
L A WHOLESALE PRODUC Facility Id: 19054552 Status: I	***1602 E OLYMPIC BLVD***	***SSW 1/8 - 1/4 (0.189 mi.)***	***AB132***	***415***
L A COUNTY COMMUNITY Facility Id: 19054517 Status: I	***1325 E OLYMPIC BLVD***	***WSW 1/8 - 1/4 (0.200 mi.)***	***AD142***	***430***
BRACHMON Facility Id: 19054572 Status: I	***1610 E OLYMPIC BLVD***	***SSW 1/8 - 1/4 (0.203 mi.)***	***AB153***	***444***
UNITED MELON DISTRIB Facility Id: 19055351 Status: A	***1811 SACRAMENTO ST***	***SE 1/8 - 1/4 (0.212 mi.)***	***AF175***	***513***
MOBILE REFRIGERATION Facility Id: 19010439 Status: I	***1740 E OLYMPIC BLVD***	***S 1/8 - 1/4 (0.235 mi.)***	***AH217***	***616***
PAT & SONS POULTRY I Facility Id: 19015481 Status: I	***927 N NAOMI ST***	***SW 1/8 - 1/4 (0.247 mi.)***	***AP233***	***624***
CHEVRON STATION 9144 Facility Id: 19009945 Status: I	***1266 E OLYMPIC BLVD***	***WSW 1/8 - 1/4 (0.248 mi.)***	***AO236***	***632***

Local Land Records

DEED: The use of recorded land use restrictions is one of the methods the DTSC uses to protect the public from unsafe exposures to hazardous substances and wastes .

A review of the DEED list, as provided by EDR, and dated 11/28/2022 has revealed that there is 1 DEED site within approximately 0.5 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
WILSON STREET CORPOR	***1321 S. WILSON STREE***	***SSE 1/4 - 1/2 (0.470 mi.)***	***AV264***	***892***
Status: CERTIFIED O&M - LAND USE RESTRICTIONS ONLY Envirostor ID: 71002216				

Other Ascertainable Records

RCRA NonGen / NLR: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Non-Generators do not presently generate hazardous waste.

A review of the RCRA NonGen / NLR list, as provided by EDR, and dated 11/21/2022 has revealed that there are 21 RCRA NonGen / NLR sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
AVA ARTS DISTRICT EPA ID:: CAC003095897	668 S. ALAMEDA STREE	NNE 0 - 1/8 (0.070 mi.)	H36	88
AVA ARTS DISTRICT, L EPA ID:: CAC003090169	668 S ALAMEDA ST	NNE 0 - 1/8 (0.070 mi.)	H38	101
ALAMEDA LAMGP SITE EPA ID:: CAR000177840	725 CHANNING ST	NE 0 - 1/8 (0.076 mi.)	J42	105
GREYHOUND LINES INC EPA ID:: CAD981674856	GREYHOUND LINES INC	NE 0 - 1/8 (0.097 mi.)	J62	145
CAMDEN USA, INC. EPA ID:: CAC003044618	1525 INDUSTRIAL STRE	NNE 0 - 1/8 (0.115 mi.)	H78	261
CAMDEN USA, INC. EPA ID:: CAC003068635	1525 INDUSTRIAL STRE	NNE 0 - 1/8 (0.115 mi.)	H80	264
CAMDEN USA, INC. EPA ID:: CAC003057250	1525 INDUSTRIAL STRE	NNE 0 - 1/8 (0.115 mi.)	H81	267
ALAMEDA SQUARE OWNER EPA ID:: CAL000422113	1318 E 7TH ST STE 20	NNW 0 - 1/8 (0.116 mi.)	K85	284
AVA ARTS DISTRICT EPA ID:: CAC003187804	1540 INDUSTRIAL ST	NE 0 - 1/8 (0.120 mi.)	O87	287
ALL NU ICE CO INC EPA ID:: CAD980888572	***1549 INDUSTRIAL ST***	***NE 1/8 - 1/4 (0.160 mi.)***	***O97***	***293***
SILVESTRE'S TRANSPOR EPA ID:: CAL000195889	721 S CENTRAL	NW 1/8 - 1/4 (0.169 mi.)	W111	379
PEARCE'S GARAGE INC	***729 SO CENTRAL AVE***	***NW 1/8 - 1/4 (0.169 mi.)***	***R114***	***382***

EPA ID:: CAD981677677				
TYRON CAMPBELL EPA ID:: CAC003029964	1225 E 7TH ST.	NNW 1/8 - 1/4 (0.191 mi.)	AA133	416
LOS ANGELES TIMES EPA ID:: CAD982500860	***1321 WHOLESALE ST***	***NE 1/8 - 1/4 (0.192 mi.)***	***X135***	***419***
CARDLOCK FUELS SYSTE EPA ID:: CAL000172206	791 S CENTRAL AVE	WNW 1/8 - 1/4 (0.209 mi.)	AC164	454
LACMTA DIV 01 EPA ID:: CAL000440691	1130 E 6TH ST	N 1/8 - 1/4 (0.210 mi.)	AE169	502
KIRMAN PLUMBING COMP EPA ID:: CAC003148370	794 MERCHANT STREET	WNW 1/8 - 1/4 (0.221 mi.)	AC195	592

Lower Elevation	Address	Direction / Distance	Map ID	Page
CHEMICAL TRANSFER CO EPA ID:: CAC003071181	2000 E. 8TH STREET	SSE 1/8 - 1/4 (0.169 mi.)	V103	301
PROFESSIONAL COURIER EPA ID:: CAL000347708	2000 E 8TH ST	SSE 1/8 - 1/4 (0.169 mi.)	V105	322
LA WHOLESALE PRODUCE EPA ID:: CAL000222507	1601 E OLYMPIC BLVD	SW 1/8 - 1/4 (0.171 mi.)	Z118	389
THE KOREA TIMES LOS EPA ID:: CAL000235947	2017 E 8TH ST	SE 1/8 - 1/4 (0.202 mi.)	T146	433

FUDS: The Listing includes locations of Formerly Used Defense Sites Properties where the US Army Corps Of Engineers is actively working or will take necessary cleanup actions.

A review of the FUDS list, as provided by EDR, and dated 11/01/2022 has revealed that there are 2 FUDS sites within approximately 1 mile of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
LOS ANGELES SIGNAL D		W 0 - 1/8 (0.074 mi.)	I40	104

Lower Elevation	Address	Direction / Distance	Map ID	Page
LOS ANGELES MEDICAL		S 1/2 - 1 (0.945 mi.)	302	1198

PFAS ECHO: Regulators and the public have expressed interest in knowing which regulated entities may be using PFAS. EPA has developed a dataset from various sources that show which industries may be handling PFAS. Approximately 120,000 facilities subject to federal environmental programs have operated or currently operate in industry sectors with processes that may involve handling and/or release of PFAS.

A review of the PFAS ECHO list, as provided by EDR, and dated 01/03/2022 has revealed that there are 4 PFAS ECHO sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
UNITED SIGNATURE FOO	34.034372/-118.24073	NW 0 - 1/8 (0.056 mi.)	B23	27

Lower Elevation	Address	Direction / Distance	Map ID	Page
IMPRIMA NORTH AMERIC	34.02884/-118.240953	SSW 1/8 - 1/4 (0.222 mi.)	AH196	594

Lower Elevation	Address	Direction / Distance	Map ID	Page
PERI LAUNDRY	34.02884/-118.240953	SSW 1/8 - 1/4 (0.222 mi.)	AH197	596
FIBERLAB INC.	34.02884/-118.240953	SSW 1/8 - 1/4 (0.222 mi.)	AH198	597

CA BOND EXP. PLAN: Department of Health Services developed a site-specific expenditure plan as the basis for an appropriation of Hazardous Substance Cleanup Bond Act funds. It is not updated.

A review of the CA BOND EXP. PLAN list, as provided by EDR, and dated 01/01/1989 has revealed that there are 2 CA BOND EXP. PLAN sites within approximately 1 mile of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
DEAN AND ASSOCIATES	***700 SOUTH SANTA FE A***	***E 1/2 - 1 (0.515 mi.)***	***AX271***	***919***

Lower Elevation	Address	Direction / Distance	Map ID	Page
SOUTHERN CALIFORNIA	2424 EAST OLYMPIC BO	SE 1/2 - 1 (0.701 mi.)	BA284	1043

Cortese: The sites for the list are designated by the State Water Resource Control Board (LUST), the Integrated Waste Board (SWF/LS), and the Department of Toxic Substances Control (Cal-Sites).

A review of the Cortese list, as provided by EDR, and dated 12/14/2022 has revealed that there are 9 Cortese sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
TEXACO TRUCK STOP (F	***1345 007TH ST E***	***NNW 0 - 1/8 (0.084 mi.)***	***E48***	***118***
Cleanup Status: COMPLETED - CASE CLOSED				
GREYHOUND LINES INC	***1614 E 7TH ST***	***ENE 0 - 1/8 (0.114 mi.)***	***J71***	***151***
Cleanup Status: COMPLETED - CASE CLOSED				
76 PRODUCTS STATION	***791 CENTRAL AVE S***	***WNW 1/8 - 1/4 (0.209 mi.)***	***AC166***	***457***
Cleanup Status: COMPLETED - CASE CLOSED				
METRO DIVISION 1 MAI	***1130 EAST 6TH STREET***	***N 1/8 - 1/4 (0.210 mi.)***	***AE170***	***505***
Cleanup Status: COMPLETED - CASE CLOSED				
LA MTA DIVISION 1	***624 CENTRAL S***	***N 1/8 - 1/4 (0.223 mi.)***	***AI199***	***598***
Cleanup Status: COMPLETED - CASE CLOSED				
EXXON #7-8407 (FORME	***1935 007TH ST E***	***ENE 1/4 - 1/2 (0.312 mi.)***	***243***	***649***
Cleanup Status: COMPLETED - CASE CLOSED				
ROLO TRANSPORTATION	***536 SEATON STREET***	***NNE 1/4 - 1/2 (0.400 mi.)***	***AR253***	***685***
Cleanup Status: COMPLETED - CASE CLOSED				
ARCO	***500 ALAMEDA ST S***	***N 1/4 - 1/2 (0.422 mi.)***	***AR255***	***732***
Cleanup Status: COMPLETED - CASE CLOSED				

Lower Elevation	Address	Direction / Distance	Map ID	Page
UNOCAL #0152 FORMER	***1800 OLYMPIC BLVD E***	***S 1/4 - 1/2 (0.320 mi.)***	***AQ245***	***653***
Cleanup Status: COMPLETED - CASE CLOSED				

HIST CORTESE: The sites for the list are designated by the State Water Resource Control Board [LUST], the Integrated Waste Board [SWF/LS], and the Department of Toxic Substances Control [CALSITES]. This listing is no longer updated by the state agency.

A review of the HIST CORTESE list, as provided by EDR, and dated 04/01/2001 has revealed that there are 6 HIST CORTESE sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
TEXACO TRUCK STOP (F Reg Id: 900210052	***1345 007TH ST E***	***NNW 0 - 1/8 (0.084 mi.)***	***E48***	***118***
76 PRODUCTS STATION Reg Id: 900210070	***791 CENTRAL AVE S***	***WNW 1/8 - 1/4 (0.209 mi.)***	***AC166***	***457***
EXXON #7-8407 (FORME Reg Id: 900210034	***1935 007TH ST E***	***ENE 1/4 - 1/2 (0.312 mi.)***	***243***	***649***
ARCO Reg Id: 900130016	***500 ALAMEDA ST S***	***N 1/4 - 1/2 (0.422 mi.)***	***AR255***	***732***

Lower Elevation	Address	Direction / Distance	Map ID	Page
UNOCAL #0152 FORMER Reg Id: 900210098	1800 OLYMPIC	S 1/4 - 1/2 (0.320 mi.)	AQ246	656
FORMER MID-STATE ELE Reg Id: 2536	1546 14TH	SSW 1/4 - 1/2 (0.430 mi.)	259	882

HWP: Detailed information on permitted hazardous waste facilities and corrective action ("cleanups") tracked in EnviroStor.

A review of the HWP list, as provided by EDR, and dated 11/10/2022 has revealed that there are 2 HWP sites within approximately 1 mile of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
SOUTHERN CALIFORNIA EPA ID: CAD981422017 Cleanup Status: OPERATING PERMIT	***2424 E. OLYMPIC BLVD***	***SE 1/2 - 1 (0.701 mi.)***	***BA285***	***1044***
A&S METAL RECYCLING EPA ID: CAD981402407 Cleanup Status: CLOSED	***1960 MATEO STREET***	***SSE 1/2 - 1 (0.783 mi.)***	***293***	***1164***

LOS ANGELES CO LF METHANE: This data was created on April 30, 2012 to represent known disposal sites in Los Angeles County that may produce and emanate methane gas. The shapefile contains disposal sites within Los Angeles County that once accepted degradable refuse material. Information used to create this data was extracted from a landfill survey performed by County Engineers (Major Waste System Map, 1973) as well as historical records from CalRecycle, Regional Water Quality Control Board, and Los Angeles County Department of Public Health

A review of the LOS ANGELES CO LF METHANE list, as provided by EDR, and dated 01/10/2022 has revealed that there is 1 LOS ANGELES CO LF METHANE site within approximately 0.5 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
S & S DISPOSAL SERVI		S 1/4 - 1/2 (0.320 mi.)	AQ244	652

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP: The EDR Proprietary Manufactured Gas Plant Database includes records of coal gas plants (manufactured gas plants) compiled by EDR's researchers. Manufactured gas sites were used in the United States from the 1800's to 1950's to produce a gas that could be distributed and used as fuel. These plants used whale oil, rosin, coal, or a mixture of coal, oil, and water that also produced a significant amount of waste. Many of the byproducts of the gas production, such as coal tar (oily waste containing volatile and non-volatile chemicals), sludges, oils and other compounds are potentially hazardous to human health and the environment. The byproduct from this process was frequently disposed of directly at the plant site and can remain or spread slowly, serving as a continuous source of soil and groundwater contamination.

A review of the EDR MGP list, as provided by EDR, has revealed that there are 2 EDR MGP sites within approximately 1 mile of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
SO CAL GAS/LA-ALAMED	725 CHANNING STREET	NE 0 - 1/8 (0.076 mi.)	J44	109
Lower Elevation	**Address**	**Direction / Distance**	**Map ID**	**Page**
SO CAL GAS/OLYMPIC B	2424 E OLYMPIC BLVD	SE 1/2 - 1 (0.701 mi.)	BA287	1117

EDR Hist Auto: EDR has searched selected national collections of business directories and has collected listings of potential gas station/filling station/service station sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include gas station/filling station/service station establishments. The categories reviewed included, but were not limited to gas, gas station, gasoline station, filling station, auto, automobile repair, auto service station, service station, etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

A review of the EDR Hist Auto list, as provided by EDR, has revealed that there are 8 EDR Hist Auto sites within approximately 0.125 miles of the target property.

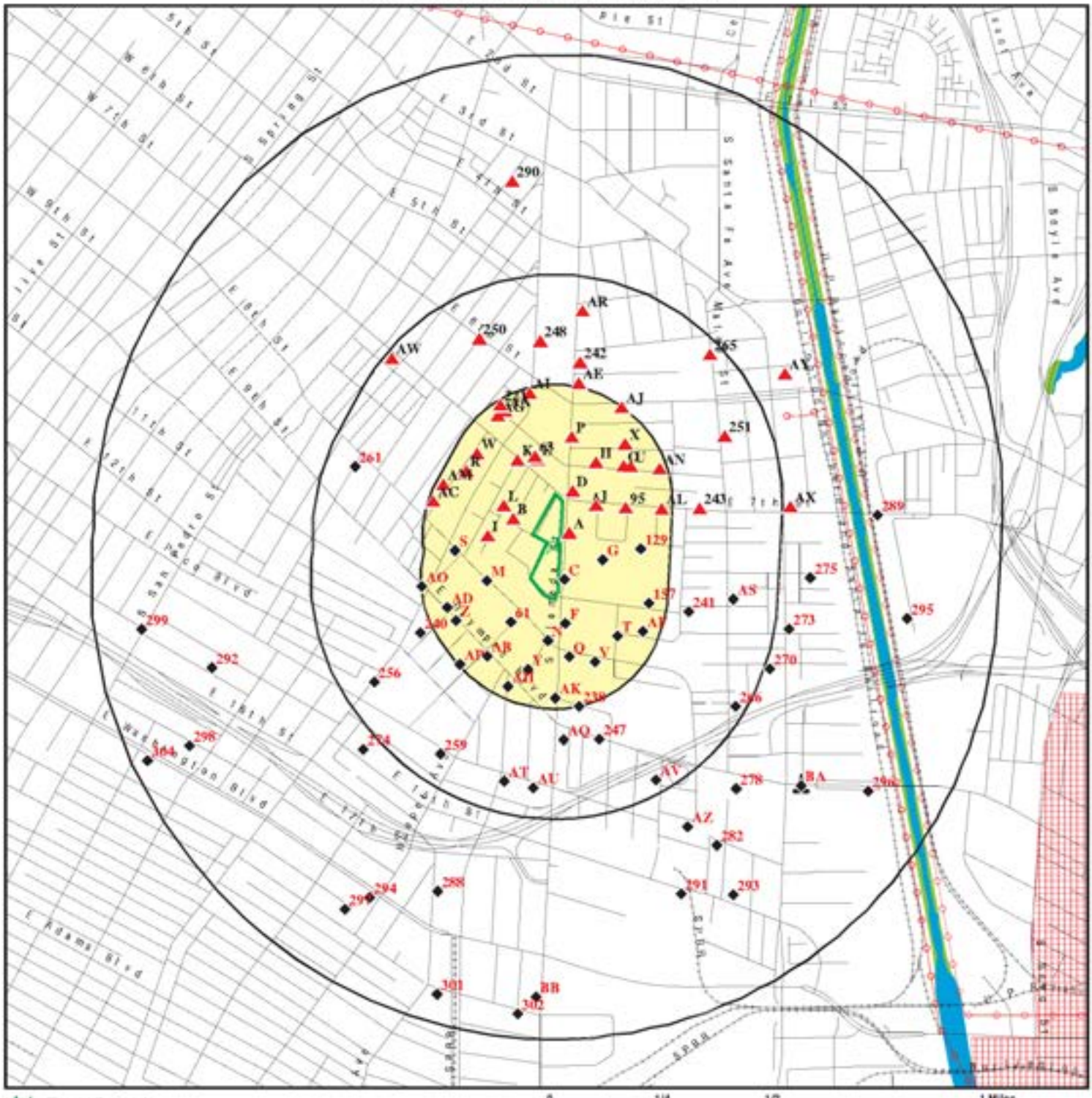
Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
CURTIN JOS	1525 E 7TH ST	NNE 0 - 1/8 (0.021 mi.)	D18	24
JONES C A	1389 E 7TH ST	N 0 - 1/8 (0.036 mi.)	E21	27
NEWMAN BROS INC	1387 E 7TH ST	N 0 - 1/8 (0.037 mi.)	E22	27
COMMERCIAL SUPER SER	1345 E 7TH ST	N 0 - 1/8 (0.068 mi.)	E34	83
NEWMAN GERTRUDE MRS	1339 E 7TH ST	N 0 - 1/8 (0.089 mi.)	E49	122
NEWMAN C K	1337 E 7TH ST	N 0 - 1/8 (0.098 mi.)	63	148
Lower Elevation	**Address**	**Direction / Distance**	**Map ID**	**Page**
PLANTZ O H	1532 E 8TH ST	WSW 0 - 1/8 (0.095 mi.)	M58	140
TRUCKMENS CENTER INC	1520 E 8TH ST	WSW 0 - 1/8 (0.100 mi.)	M66	149

EXECUTIVE SUMMARY

Due to poor or inadequate address information, the following sites were not mapped. Count: 9 records.

Site Name	Database(s)
2209 & 2211 S SANTA FE LLC	CPS-SLIC, CERS
CALTRANS I-105 FRWY PROJ 2,PCLS 10	RESPONSE, ENVIROSTOR
EXIDE PARKWAYS RESIDENTIAL	RESPONSE, ENVIROSTOR, Cortese
LOS ANGELES RIVER IDS (2136)	SWF/LF
ACTA NORTH - PARCEL NE-019-SFGS	CPS-SLIC
ACTA NORTH - PARCEL NE-009-SFGS	CPS-SLIC
ACTA NORTH - PARCEL NE-029-SFGS	CPS-SLIC
ACTA NORTH - PARCEL NE-019-SFGS	CPS-SLIC
VERNON PERCHLORATE DISCOVERY	ENVIROSTOR

OVERVIEW MAP - 7277931.2S



- Target Property
- Sites at elevations higher than or equal to the target property
- Sites at elevations lower than the target property
- Manufactured Gas Plants
- National Priority List Sites
- Dept. Defense Sites
- Indian Reservations BIA
- Power transmission lines
- Special Flood Hazard Area (1%)
- 0.2% Annual Chance Flood Hazard
- National Wetland Inventory
- State Wetlands
- Areas of Concern

This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME:	3666	CLIENT:	California Environmental
ADDRESS:	777 S Alameda Street Los Angeles CA 90021	CONTACT:	Ryan Bzoskie
LAT/LONG:	34.033451 / 118.239167	INQUIRY #:	7277931.2s
		DATE:	March 14, 2023 10:54 am

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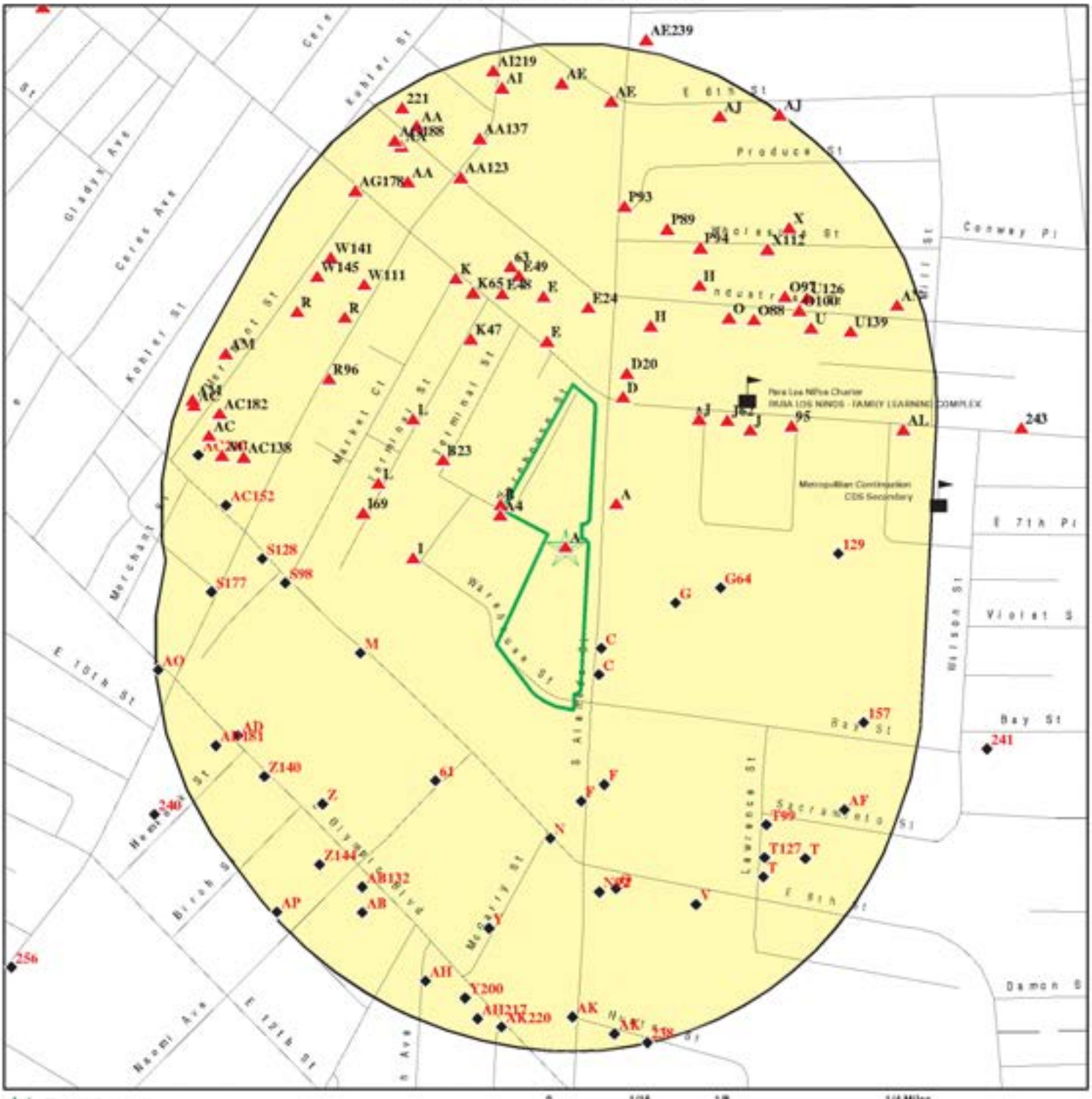
DETAIL MAP - 7277931.2S



Target Property

Sites at elevations higher than or equal to the target property

Sites at elevations lower than the target property

Manufactured Gas Plants

Sensitive Receptors

National Priority List Sites

Dept. Defense Sites

0 1/16 1/8 1/4 Miles

Indian Reservations BIA

Special Flood Hazard Area (1%)

0.2% Annual Chance Flood Hazard

Areas of Concern

This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME: 3666	CLIENT: California Environmental
ADDRESS: 777 S Alameda Street Los Angeles CA 90021	CONTACT: Ryan Bzoskie
LAT/LONG: 34.033451 / 118.239167	INQUIRY #: 7277931.2s DATE: March 14, 2023 11:03 am

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MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
STANDARD ENVIRONMENTAL RECORDS								
Lists of Federal NPL (Superfund) sites								
NPL	1.000		0	0	0	0	NR	0
Proposed NPL	1.000		0	0	0	0	NR	0
NPL LIENS	1.000		0	0	0	0	NR	0
Lists of Federal Delisted NPL sites								
Delisted NPL	1.000		0	0	0	0	NR	0
Lists of Federal sites subject to CERCLA removals and CERCLA orders								
FEDERAL FACILITY	0.500		0	0	0	NR	NR	0
SEMS	0.500		0	0	0	NR	NR	0
Lists of Federal CERCLA sites with NFRAP								
SEMS-ARCHIVE	0.500		1	0	2	NR	NR	3
Lists of Federal RCRA facilities undergoing Corrective Action								
CORRACTS	1.000		0	0	0	1	NR	1
Lists of Federal RCRA TSD facilities								
RCRA-TSDF	0.500		0	0	0	NR	NR	0
Lists of Federal RCRA generators								
RCRA-LQG	0.250		0	1	NR	NR	NR	1
RCRA-SQG	0.250		8	4	NR	NR	NR	12
RCRA-VSQG	0.250		0	0	NR	NR	NR	0
Federal institutional controls / engineering controls registries								
LUCIS	0.500		0	0	0	NR	NR	0
US ENG CONTROLS	0.500		0	0	0	NR	NR	0
US INST CONTROLS	0.500		0	0	0	NR	NR	0
Federal ERNS list								
ERNS	0.001		0	NR	NR	NR	NR	0
Lists of state- and tribal (Superfund) equivalent sites								
RESPONSE	1.000		0	0	0	3	NR	3
Lists of state- and tribal hazardous waste facilities								
ENVIROSTOR	1.000		2	1	9	27	NR	39
Lists of state and tribal landfills and solid waste disposal facilities								
SWF/LF	0.500		0	0	2	NR	NR	2

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
Lists of state and tribal leaking storage tanks								
LUST	0.500		2	3	4	NR	NR	9
INDIAN LUST	0.500		0	0	0	NR	NR	0
CPS-SLIC	0.500		0	0	3	NR	NR	3
Lists of state and tribal registered storage tanks								
FEMA UST	0.250		0	0	NR	NR	NR	0
UST	0.250		26	58	NR	NR	NR	84
AST	0.250		2	1	NR	NR	NR	3
INDIAN UST	0.250		0	0	NR	NR	NR	0
Lists of state and tribal voluntary cleanup sites								
VCP	0.500		1	0	2	NR	NR	3
INDIAN VCP	0.500		0	0	0	NR	NR	0
Lists of state and tribal brownfield sites								
BROWNFIELDS	0.500		0	0	0	NR	NR	0
ADDITIONAL ENVIRONMENTAL RECORDS								
Local Brownfield lists								
US BROWNFIELDS	0.500		0	1	3	NR	NR	4
Local Lists of Landfill / Solid Waste Disposal Sites								
WMUDS/SWAT	0.500		0	0	0	NR	NR	0
SWRCY	0.500		0	1	6	NR	NR	7
HAULERS	0.001		0	NR	NR	NR	NR	0
INDIAN ODI	0.500		0	0	0	NR	NR	0
ODI	0.500		0	0	0	NR	NR	0
DEBRIS REGION 9	0.500		0	0	0	NR	NR	0
IHS OPEN DUMPS	0.500		0	0	0	NR	NR	0
Local Lists of Hazardous waste / Contaminated Sites								
US HIST CDL	0.001		0	NR	NR	NR	NR	0
AOCONCERN	1.000		0	0	0	0	NR	0
HIST Cal-Sites	1.000		0	0	0	4	NR	4
SCH	0.250		0	0	NR	NR	NR	0
CDL	0.001		0	NR	NR	NR	NR	0
CERS HAZ WASTE	0.250		2	4	NR	NR	NR	6
Toxic Pits	1.000		0	0	0	0	NR	0
US CDL	0.001		0	NR	NR	NR	NR	0
Local Lists of Registered Storage Tanks								
SWEEPS UST	0.250		8	24	NR	NR	NR	32
HIST UST	0.250		9	17	NR	NR	NR	26
CERS TANKS	0.250		2	2	NR	NR	NR	4
CA FID UST	0.250		8	21	NR	NR	NR	29

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
Local Land Records								
LIENS	0.001		0	NR	NR	NR	NR	0
LIENS 2	0.001		0	NR	NR	NR	NR	0
DEED	0.500		0	0	1	NR	NR	1
Records of Emergency Release Reports								
HMIRS	0.001		0	NR	NR	NR	NR	0
CHMIRS	0.001		0	NR	NR	NR	NR	0
LDS	0.001		0	NR	NR	NR	NR	0
MCS	0.001		0	NR	NR	NR	NR	0
SPILLS 90	0.001		0	NR	NR	NR	NR	0
Other Ascertainable Records								
RCRA NonGen / NLR	0.250		9	12	NR	NR	NR	21
FUDS	1.000		1	0	0	1	NR	2
DOD	1.000		0	0	0	0	NR	0
SCRD DRYCLEANERS	0.500		0	0	0	NR	NR	0
US FIN ASSUR	0.001		0	NR	NR	NR	NR	0
EPA WATCH LIST	0.001		0	NR	NR	NR	NR	0
2020 COR ACTION	0.250		0	0	NR	NR	NR	0
TSCA	0.001		0	NR	NR	NR	NR	0
TRIS	0.001		0	NR	NR	NR	NR	0
SSTS	0.001		0	NR	NR	NR	NR	0
ROD	1.000		0	0	0	0	NR	0
RMP	0.001		0	NR	NR	NR	NR	0
RAATS	0.001		0	NR	NR	NR	NR	0
PRP	0.001		0	NR	NR	NR	NR	0
PADS	0.001		0	NR	NR	NR	NR	0
ICIS	0.001		0	NR	NR	NR	NR	0
FTTS	0.001		0	NR	NR	NR	NR	0
MLTS	0.001		0	NR	NR	NR	NR	0
COAL ASH DOE	0.001		0	NR	NR	NR	NR	0
COAL ASH EPA	0.500		0	0	0	NR	NR	0
PCB TRANSFORMER	0.001		0	NR	NR	NR	NR	0
RADINFO	0.001		0	NR	NR	NR	NR	0
HIST FTTS	0.001		0	NR	NR	NR	NR	0
DOT OPS	0.001		0	NR	NR	NR	NR	0
CONSENT	1.000		0	0	0	0	NR	0
INDIAN RESERV	1.000		0	0	0	0	NR	0
FUSRAP	1.000		0	0	0	0	NR	0
UMTRA	0.500		0	0	0	NR	NR	0
LEAD SMELTERS	0.001		0	NR	NR	NR	NR	0
US AIRS	0.001		0	NR	NR	NR	NR	0
US MINES	0.250		0	0	NR	NR	NR	0
ABANDONED MINES	0.250		0	0	NR	NR	NR	0
FINDS	0.001		0	NR	NR	NR	NR	0
UXO	1.000		0	0	0	0	NR	0
DOCKET HWC	0.001		0	NR	NR	NR	NR	0
ECHO	0.001		0	NR	NR	NR	NR	0
FUELS PROGRAM	0.250		0	0	NR	NR	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
PFAS NPL	0.250		0	0	NR	NR	NR	0
PFAS FEDERAL SITES	0.250		0	0	NR	NR	NR	0
PFAS TSCA	0.250		0	0	NR	NR	NR	0
PFAS RCRA MANIFEST	0.250		0	0	NR	NR	NR	0
PFAS ATSDR	0.250		0	0	NR	NR	NR	0
PFAS WQP	0.250		0	0	NR	NR	NR	0
PFAS NPDES	0.250		0	0	NR	NR	NR	0
PFAS ECHO	0.250		1	3	NR	NR	NR	4
PFAS ECHO FIRE TRAINING	0.250		0	0	NR	NR	NR	0
PFAS PART 139 AIRPORT	0.250		0	0	NR	NR	NR	0
AQUEOUS FOAM NRC	0.250		0	0	NR	NR	NR	0
PFAS	0.250		0	0	NR	NR	NR	0
AQUEOUS FOAM	TP		NR	NR	NR	NR	NR	0
CA BOND EXP. PLAN	1.000		0	0	0	2	NR	2
Cortese	0.500		2	3	4	NR	NR	9
CUPA Listings	0.250		0	0	NR	NR	NR	0
DRYCLEANERS	0.250		0	0	NR	NR	NR	0
EMI	0.001		0	NR	NR	NR	NR	0
ENF	0.001		0	NR	NR	NR	NR	0
Financial Assurance	0.001		0	NR	NR	NR	NR	0
ICE	0.001		0	NR	NR	NR	NR	0
HIST CORTESE	0.500		1	1	4	NR	NR	6
LOS ANGELES CO. HMS	0.001		0	NR	NR	NR	NR	0
HWP	1.000		0	0	0	2	NR	2
HWT	0.250		0	0	NR	NR	NR	0
HAZNET	0.001		0	NR	NR	NR	NR	0
MINES	0.250		0	0	NR	NR	NR	0
MWMP	0.250		0	0	NR	NR	NR	0
NPDES	0.001	1	0	NR	NR	NR	NR	1
PEST LIC	0.001		0	NR	NR	NR	NR	0
PROC	0.500		0	0	0	NR	NR	0
Notify 65	1.000		0	0	0	0	NR	0
LA Co. Site Mitigation	0.001		0	NR	NR	NR	NR	0
UIC	0.001		0	NR	NR	NR	NR	0
UIC GEO	0.001		0	NR	NR	NR	NR	0
WASTEWATER PITS	0.500		0	0	0	NR	NR	0
WDS	0.001		0	NR	NR	NR	NR	0
WIP	0.250		0	0	NR	NR	NR	0
MILITARY PRIV SITES	0.001		0	NR	NR	NR	NR	0
PROJECT	0.001		0	NR	NR	NR	NR	0
WDR	0.001		0	NR	NR	NR	NR	0
CIWQS	0.001	1	0	NR	NR	NR	NR	1
CERS	0.001		0	NR	NR	NR	NR	0
NON-CASE INFO	0.001		0	NR	NR	NR	NR	0
OTHER OIL GAS	0.001		0	NR	NR	NR	NR	0
PROD WATER PONDS	0.001		0	NR	NR	NR	NR	0
SAMPLING POINT	0.001		0	NR	NR	NR	NR	0
WELL STIM PROJ	0.001		0	NR	NR	NR	NR	0
HWTS	TP	1	NR	NR	NR	NR	NR	1
MINES MRDS	0.001		0	NR	NR	NR	NR	0
LOS ANGELES CO LF METHANE	0.001		0	0	1	NR	NR	1

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
EDR HIGH RISK HISTORICAL RECORDS								
EDR Exclusive Records								
EDR MGP	1.000		1	0	0	1	NR	2
EDR Hist Auto	0.125		8	NR	NR	NR	NR	8
EDR Hist Cleaner	0.125		0	NR	NR	NR	NR	0
EDR RECOVERED GOVERNMENT ARCHIVES								
Exclusive Recovered Govt. Archives								
RGA LF	0.001		0	NR	NR	NR	NR	0
RGA LUST	0.001		0	NR	NR	NR	NR	0
- Totals --		3	94	157	41	41	0	336

NOTES:

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

A1 **ALAMEDA SQUARE MARKET ROW** **NPDES** **S117542441**
Target **777 SOUTH ALAMEDA STREET** **CIWQS** **N/A**
Property **LOS ANGELES, CA 90021**

Site 1 of 5 in cluster A

Actual: **246 ft.**

NPDES:

Name:	ALAMEDA SQUARE MARKET ROW
Address:	777 SOUTH ALAMEDA STREET
City,State,Zip:	LOS ANGELES, CA 90021
Facility Status:	Not reported
NPDES Number:	Not reported
Region:	Not reported
Agency Number:	Not reported
Regulatory Measure ID:	Not reported
Place ID:	Not reported
Order Number:	Not reported
WDID:	Not reported
Regulatory Measure Type:	Construction
Program Type:	Not reported
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Discharge Address:	Not reported
Discharge Name:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
Status:	Returned
Status Date:	06/04/2016
Operator Name:	Alameda Square Owner LLC
Operator Address:	1318 East 7th Street
Operator City:	Los Angeles
Operator State:	California
Operator Zip:	90021

Name:	ALAMEDA SQUARE
Address:	777 SOUTH ALAMEDA STREET
City,State,Zip:	LOS ANGELES, CA 90021
Facility Status:	Not reported
NPDES Number:	Not reported
Region:	Not reported
Agency Number:	Not reported
Regulatory Measure ID:	Not reported
Place ID:	Not reported
Order Number:	Not reported
WDID:	4 19C372050
Regulatory Measure Type:	Construction
Program Type:	Not reported
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Discharge Address:	Not reported
Discharge Name:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported

ALAMEDA SQUARE MARKET ROW (Continued) **S117542441**

Status:	Terminated
Status Date:	08/25/2017
Operator Name:	Alameda Square Owner LLC
Operator Address:	1318 East 7th Street
Operator City:	Los Angeles
Operator State:	California
Operator Zip:	90021

NPDES as of 03/2018:

NPDES Number:	Not reported
Status:	Not reported
Agency Number:	Not reported
Region:	4
Regulatory Measure ID:	451382
Order Number:	Not reported
Regulatory Measure Type:	Construction
Place ID:	Not reported
WDID:	4 19C372050
Program Type:	Not reported
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	Not reported
Discharge Address:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
Received Date:	02/02/2015
Processed Date:	02/03/2015
Status:	Active
Status Date:	03/23/2017
Place Size:	6.09
Place Size Unit:	Acres
Contact:	Scott Denham
Contact Title:	Director
Contact Phone:	213-290-9645
Contact Phone Ext:	Not reported
Contact Email:	sdenham@atlas-cap.com
Operator Name:	Alameda Square Owner LLC
Operator Address:	1318 East 7th Street
Operator City:	Los Angeles
Operator State:	California
Operator Zip:	90021
Operator Contact:	Scott Denham
Operator Contact Title:	Director
Operator Contact Phone:	213-290-9645
Operator Contact Phone Ext:	Not reported
Operator Contact Email:	sdenham@atlas-cap.com
Operator Type:	Private Business
Developer:	Alameda Square Owner LLC
Developer Address:	1318 East 7th Street
Developer City:	Los Angeles
Developer State:	California
Developer Zip:	90021
Developer Contact:	Scott Denham
Developer Contact Title:	Director
Constype Linear Utility Ind:	N

ALAMEDA SQUARE MARKET ROW (Continued) **S117542441**

Emergency Phone:	Not reported
Emergency Phone Ext:	Not reported
Constype Above Ground Ind:	N
Constype Below Ground Ind:	N
Constype Cable Line Ind:	N
Constype Comm Line Ind:	N
Constype Commertial Ind:	Y
Constype Electrical Line Ind:	N
Constype Gas Line Ind:	N
Constype Industrial Ind:	N
Constype Other Description:	Not reported
Constype Other Ind:	N
Constype Recons Ind:	N
Constype Residential Ind:	N
Constype Transport Ind:	N
Constype Utility Description:	Not reported
Constype Utility Ind:	N
Constype Water Sewer Ind:	N
Dir Discharge Uswater Ind:	N
Receiving Water Name:	Los Angeles River, Reach 2
Certifier:	Scott Denham
Certifier Title:	Director
Certification Date:	02-FEB-15
Primary Sic:	Not reported
Secondary Sic:	Not reported
Tertiary Sic:	Not reported
NPDES Number:	CAS000002
Status:	Terminated
Agency Number:	0
Region:	4
Regulatory Measure ID:	451382
Order Number:	2009-0009-DWQ
Regulatory Measure Type:	Enrollee
Place ID:	Not reported
WDID:	4 19C372050
Program Type:	Construction
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	02/03/2015
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	03/21/2017
Discharge Name:	Alameda Square Owner LLC
Discharge Address:	1318 East 7th Street
Discharge City:	Los Angeles
Discharge State:	California
Discharge Zip:	90021
Received Date:	Not reported
Processed Date:	Not reported
Status:	Not reported
Status Date:	Not reported
Place Size:	Not reported
Place Size Unit:	Not reported
Contact:	Not reported
Contact Title:	Not reported
Contact Phone:	Not reported
Contact Phone Ext:	Not reported
Contact Email:	Not reported

ALAMEDA SQUARE MARKET ROW (Continued) **S117542441**

Operator Name:	Not reported
Operator Address:	Not reported
Operator City:	Not reported
Operator State:	Not reported
Operator Zip:	Not reported
Operator Contact:	Not reported
Operator Contact Title:	Not reported
Operator Contact Phone:	Not reported
Operator Contact Phone Ext:	Not reported
Operator Contact Email:	Not reported
Operator Type:	Not reported
Developer:	Not reported
Developer Address:	Not reported
Developer City:	Not reported
Developer State:	Not reported
Developer Zip:	Not reported
Developer Contact:	Not reported
Developer Contact Title:	Not reported
Constype Linear Utility Ind:	Not reported
Emergency Phone:	Not reported
Emergency Phone Ext:	Not reported
Constype Above Ground Ind:	Not reported
Constype Below Ground Ind:	Not reported
Constype Cable Line Ind:	Not reported
Constype Comm Line Ind:	Not reported
Constype Commertial Ind:	Not reported
Constype Electrical Line Ind:	Not reported
Constype Gas Line Ind:	Not reported
Constype Industrial Ind:	Not reported
Constype Other Description:	Not reported
Constype Other Ind:	Not reported
Constype Recons Ind:	Not reported
Constype Residential Ind:	Not reported
Constype Transport Ind:	Not reported
Constype Utility Description:	Not reported
Constype Utility Ind:	Not reported
Constype Water Sewer Ind:	Not reported
Dir Discharge Uswater Ind:	Not reported
Receiving Water Name:	Not reported
Certifier:	Not reported
Certifier Title:	Not reported
Certification Date:	Not reported
Primary Sic:	Not reported
Secondary Sic:	Not reported
Tertiary Sic:	Not reported

CIWQS:

Name:	ALAMEDA SQUARE
Address:	777 SOUTH ALAMEDA STREET
City,State,Zip:	LOS ANGELES, CA 90021
Agency:	Alameda Square Owner LLC
Agency Address:	1318 East 7th Street Suite 200, Los Angeles, CA 90021
Place/Project Type:	Construction - Commercial
SIC/NAICS:	Not reported
Region:	4
Program:	CONSTW

ALAMEDA SQUARE MARKET ROW (Continued) **S117542441**

Regulatory Measure Status:	Terminated
Regulatory Measure Type:	Storm water construction
Order Number:	2009-0009-DWQ
WDID:	4 19C372050
NPDES Number:	CAS000002
Adoption Date:	Not reported
Effective Date:	02/03/2015
Termination Date:	03/21/2017
Expiration/Review Date:	Not reported
Design Flow:	Not reported
Major/Minor:	Not reported
Complexity:	Not reported
TTWQ:	Not reported
Enforcement Actions within 5 years:	0
Violations within 5 years:	0
Latitude:	34.032625
Longitude:	-118.239508

A2 Target Property **ALAMEDA SQUARE OWNER LLC** **HWTS** **S124658432**
777 S ALAMEDA, # 100 **N/A**
LOS ANGELES, CA 90021

Site 2 of 5 in cluster A

Actual: 246 ft.

HWTS:

Name:	ALAMEDA SQUARE OWNER LLC
Address:	777 S ALAMEDA, # 100
Address 2:	Not reported
City,State,Zip:	LOS ANGELES, CA 90021
EPA ID:	CAC002933507
Inactive Date:	01/23/2018
Create Date:	10/23/2017
Last Act Date:	Not reported
Mailing Name:	Not reported
Mailing Address:	1812 W. BURBANK BLVD. # 79
Mailing Address 2:	Not reported
Mailing City,State,Zip:	BURBANK, CA 91506
Owner Name:	JAVIER PRIMERA
Owner Address:	215 W. PALM # 201 B
Owner Address 2:	Not reported
Owner City,State,Zip:	BURBANK, CA 91502
Contact Name:	JAVIER PRIMERA
Contact Address:	215 W. PALM # 201 B
Contact Address 2:	Not reported
City,State,Zip:	BURBANK, CA 91502
Facility Status:	Inactive
Facility Type:	TEMPORARY
Category:	STATE
Latitude:	34.03078
Longitude:	-118.238944

NAICS:

EPA ID:	CAC002933507
Create Date:	2017-10-23 14:29:43.220
NAICS Code:	999999
NAICS Description:	Not Otherwise Specified
Issued EPA ID Date:	2017-10-23 14:29:43.22000
Inactive Date:	2018-01-23 03:00:24.74300

ALAMEDA SQUARE OWNER LLC (Continued) **S124658432**

Facility Name:	ALAMEDA SQUARE OWNER LLC
Facility Address:	777 S ALAMEDA, # 100
Facility Address 2:	Not reported
Facility City:	LOS ANGELES
Facility County:	Not reported
Facility State:	CA
Facility Zip:	90021

B3 **UST** **U004304400**
WNW **760 WAREHOUSE ST** **N/A**
< 1/8 **LOS ANGELES, CA**
0.003 mi.
16 ft. **Site 1 of 5 in cluster B**

Relative: LOS ANGELES UST:
Higher

Name:	Not reported
Address:	760 WAREHOUSE ST
City,State,Zip:	LOS ANGELES, CA
Facility ID:	Not reported
Last Run Date:	01/01/1900
Status:	HISTORICAL

Actual:
247 ft.

A4 **UST** **U004304427**
WNW **765 WAREHOUSE** **N/A**
< 1/8 **LOS ANGELES, CA**
0.004 mi.
19 ft. **Site 3 of 5 in cluster A**

Relative: LOS ANGELES UST:
Higher

Name:	Not reported
Address:	765 WAREHOUSE
City,State,Zip:	LOS ANGELES, CA
Facility ID:	Not reported
Last Run Date:	01/01/1900
Status:	HISTORICAL

Actual:
246 ft.

C5 **VALLEY FRUIT & PRODUCE CO INC** **HAZMAT** **S123552749**
SSE **746 S ALAMEDA ST** **N/A**
< 1/8 **LOS ANGELES, CA 90021**
0.012 mi.
65 ft. **Site 1 of 7 in cluster C**

Relative: LOS ANGELES HM:
Lower

Name:	VALLEY FRUIT & PRODUCE CO INC
Address:	746 S ALAMEDA ST
City,State,Zip:	LOS ANGELES, CA 90021
Facility ID:	FA0040826
Last Run Date:	11/01/2022
Status:	ACTIVE

Actual:
244 ft.

C6 **MUTUAL LIQUID GAS/EQUIPMENT CO** **SWEEPS UST** **S101587630**
SSE **744 S ALAMEDA ST** **CA FID UST** **N/A**
< 1/8 **LOS ANGELES, CA 90021** **HAZMAT**
0.013 mi.
67 ft. **Site 2 of 7 in cluster C**

Relative:
Lower

Actual:
244 ft.

SWEEPS UST:

Name:	MUTUAL LIQUID GAS/EQUIPMENT CO
Address:	744 S ALAMEDA ST
City:	LOS ANGELES
Status:	Not reported
Comp Number:	4564
Number:	Not reported
Board Of Equalization:	Not reported
Referral Date:	Not reported
Action Date:	Not reported
Created Date:	Not reported
Owner Tank Id:	Not reported
SWRCB Tank Id:	Not reported
Tank Status:	Not reported
Capacity:	Not reported
Active Date:	Not reported
Tank Use:	Not reported
STG:	Not reported
Content:	Not reported
Number Of Tanks:	0

CA FID UST:

Facility ID:	19055834
Regulated By:	UTNKA
Regulated ID:	Not reported
Cortese Code:	Not reported
SIC Code:	Not reported
Facility Phone:	2130000000
Mail To:	Not reported
Mailing Address:	744 S ALAMEDA ST
Mailing Address 2:	Not reported
Mailing City,St,Zip:	LOS ANGELES 900210000
Contact:	Not reported
Contact Phone:	Not reported
DUNs Number:	Not reported
NPDES Number:	Not reported
EPA ID:	Not reported
Comments:	Not reported
Status:	Active

LOS ANGELES HM:

Name:	STATE WIDE SALES CO INC
Address:	744 S ALAMEDA ST
City,State,Zip:	LOS ANGELES, CA 90021
Facility ID:	FA0004032
Last Run Date:	11/01/2022
Status:	INACTIVE

B7
WNW
< 1/8
0.013 mi.
68 ft.

749 WAREHOUSE ST
LOS ANGELES, CA

Site 2 of 5 in cluster B

Relative:
Higher

Actual:
247 ft.

LOS ANGELES UST:

Name:	Not reported
Address:	749 WAREHOUSE ST
City,State,Zip:	LOS ANGELES, CA
Facility ID:	Not reported
Last Run Date:	01/01/1900
Status:	HISTORICAL

UST **U004304353**
N/A

C8
SSE
< 1/8
0.013 mi.
68 ft.

STATE WIDE SALES, INC
742 S ALAMEDA ST
LOS ANGELES, CA 90021

Site 3 of 7 in cluster C

Relative:
Lower

Actual:
244 ft.

UST:

Name:	STATE WIDE SALES COMPANY,INC
Address:	742 S ALAMEDA ST
City,State,Zip:	LOS ANGELES, CA 90021
Facility ID:	23975
Permitting Agency:	LOS ANGELES, CITY OF
CERSID:	Not reported
Latitude:	34.0341059
Longitude:	-118.234054
Owner type:	Not reported
Facility type:	Not reported
Num of inuse ust:	Not reported
Num of closed ust:	Not reported
Num of oos ust:	Not reported
Epa region:	Not reported
Tribal lands:	Not reported
Tank owner name:	Not reported
Tank owner mailing address:	Not reported
Tank owner mailing city:	Not reported
Tank owner mailing zip:	Not reported
Tank owner mailing state:	Not reported
Tank operator name:	Not reported
Tank operator mailing address:	Not reported
Tank operator mailing city:	Not reported
Tank operator mailing zip:	Not reported
Tank operator mailing state:	Not reported
Tankidnumber:	Not reported
Tank status:	Not reported
Tank configuration:	Not reported
Tank closure date:	Not reported
Tank installation date:	Not reported
Tank num of compartments:	Not reported
Tank contents:	Not reported
Tank capacity gallons:	Not reported
Tank type:	Not reported
Tank pc construction:	Not reported
Tank pwpiping construction:	Not reported
Tank piping type:	Not reported
Tank piping construction:	Not reported
Tank sacrificial anode:	Not reported

UST **U003879964**
N/A

STATE WIDE SALES, INC (Continued) **U003879964**

Tank cp impressed current: Not reported
Tank cp shutoff: Not reported
Tank alarms: Not reported
Tank ball float: Not reported
Tank spill bucket: Not reported

LOS ANGELES UST:
Name: STATE WIDE SALES, INC
Address: 742 S ALAMEDA ST
City,State,Zip: LOS ANGELES, CA 90021
Facility ID: FA0018050
Last Run Date: 11/01/2022
Status: INACTIVE

C9 **STATE WIDE SALES CO. INC.** **HIST UST** **U001560902**
SSE **742 S ALAMEDA ST** **N/A**
< 1/8 **LOS ANGELES, CA 90021**
0.013 mi.
68 ft. **Site 4 of 7 in cluster C**

Relative: HIST UST:
Lower
Name: STATE WIDE SALES CO. INC.
Actual: Address: 742 S ALAMEDA ST
244 ft. City,State,Zip: LOS ANGELES, CA 90021
File Number: Not reported
URL: Not reported
Region: STATE
Facility ID: 00000005352
Facility Type: Other
Other Type: PRIVATE USE
Contact Name: DAVID ZARAGOZA
Telephone: 2136240874
Owner Name: STATE WIDE SALES CO., INC.
Owner Address: 744 SO. ALAMEDA ST.
Owner City,St,Zip: LOS ANGELES, CA 90021
Total Tanks: 0001

Tank Num: 001
Container Num: T1
Year Installed: 1972
Tank Capacity: 00010000
Tank Used for: PRODUCT
Type of Fuel: WASTE OIL
Container Construction Thickness: 5/32"
Leak Detection: None

C10
SSE
< 1/8
0.013 mi.
68 ft.

STATE WIDE SALES COMPANY, INC
742 S ALAMEDA ST
LOS ANGELES, CA 90021

Site 5 of 7 in cluster C

SWEEPS UST
HIST UST
CA FID UST
HAZMAT

S101617249
N/A

Relative:
Lower

Actual:
244 ft.

SWEEPS UST:

Name:	STATE WIDE SALES COMPANY, INC
Address:	742 S ALAMEDA ST
City:	LOS ANGELES
Status:	Active
Comp Number:	574
Number:	1
Board Of Equalization:	44-011283
Referral Date:	03-09-93
Action Date:	03-09-93
Created Date:	02-29-88
Owner Tank Id:	Not reported
SWRCB Tank Id:	19-050-000574-000001
Tank Status:	A
Capacity:	10000
Active Date:	04-20-88
Tank Use:	OIL
STG:	W
Content:	WASTE OIL
Number Of Tanks:	1

HIST UST:

Name:	STATE WIDE SALES CO INC
Address:	742 SO ALAMEDA ST
City,State,Zip:	LOS ANGELES, CA 90021
File Number:	00028870
URL:	https://documents.geotracker.waterboards.ca.gov/ustpdfs/pdf/00028870.pdf
Region:	Not reported
Facility ID:	Not reported
Facility Type:	Not reported
Other Type:	Not reported
Contact Name:	Not reported
Telephone:	Not reported
Owner Name:	Not reported
Owner Address:	Not reported
Owner City,St,Zip:	Not reported
Total Tanks:	Not reported
Tank Num:	Not reported
Container Num:	Not reported
Year Installed:	Not reported
Tank Capacity:	Not reported
Tank Used for:	Not reported
Type of Fuel:	Not reported
Container Construction Thickness:	Not reported
Leak Detection:	Not reported

Click here for Geo Tracker PDF:

CA FID UST:

Facility ID:	19055326
Regulated By:	UTNKA

STATE WIDE SALES COMPANY, INC (Continued) **S101617249**

Regulated ID:	00005352
Cortese Code:	Not reported
SIC Code:	Not reported
Facility Phone:	2136240874
Mail To:	Not reported
Mailing Address:	744 S ALAMEDA ST
Mailing Address 2:	Not reported
Mailing City,St,Zip:	LOS ANGELES 900210000
Contact:	Not reported
Contact Phone:	Not reported
DUNs Number:	Not reported
NPDES Number:	Not reported
EPA ID:	Not reported
Comments:	Not reported
Status:	Active

LOS ANGELES HM:

Name:	STATE WIDE SALES, INC
Address:	742 S ALAMEDA ST
City,State,Zip:	LOS ANGELES, CA 90021
Facility ID:	FA0018050
Last Run Date:	11/01/2022
Status:	INACTIVE

C11 **UST** **U004304312**
SSE **740-748 S ALAMEDA ST** **N/A**
< 1/8 **LOS ANGELES, CA**
0.013 mi.
71 ft. **Site 6 of 7 in cluster C**

Relative: LOS ANGELES UST:
Lower

Name:	Not reported
Address:	740-748 S ALAMEDA ST
City,State,Zip:	LOS ANGELES, CA
Facility ID:	Not reported
Last Run Date:	01/01/1900
Status:	HISTORICAL

Actual:
245 ft.

C12 **UST** **U004304347**
SSE **748 S ALAMEDA ST** **N/A**
< 1/8 **LOS ANGELES, CA**
0.014 mi.
74 ft. **Site 7 of 7 in cluster C**

Relative: LOS ANGELES UST:
Lower

Name:	Not reported
Address:	748 S ALAMEDA ST
City,State,Zip:	LOS ANGELES, CA
Facility ID:	Not reported
Last Run Date:	01/01/1900
Status:	HISTORICAL

Actual:
244 ft.

D13 **SUBURBAN PROPANE** **HAZMAT** **S123549545**
NNE **700 S ALAMEDA ST** **N/A**
< 1/8 **LOS ANGELES, CA 90021**
0.014 mi.
75 ft. **Site 1 of 4 in cluster D**

Relative: LOS ANGELES HM:
Higher
Actual: Name: SUBURBAN PROPANE
249 ft. Address: 700 S ALAMEDA ST
City,State,Zip: LOS ANGELES, CA 90021
Facility ID: FA0026116
Last Run Date: 11/01/2022
Status: INACTIVE

Name: SUBURBAN PROPANE
Address: 700 S ALAMEDA ST
City,State,Zip: LOS ANGELES, CA 90021
Facility ID: FA0026116
Last Run Date: 11/01/2022
Status: INACTIVE

D14 **SUBURBAN PROPANE** **UST** **U004306963**
NNE **700 S ALAMEDA ST** **N/A**
< 1/8 **LOS ANGELES, CA 90021**
0.014 mi.
75 ft. **Site 2 of 4 in cluster D**

Relative: LOS ANGELES UST:
Higher
Actual: Name: SUBURBAN PROPANE
249 ft. Address: 700 S ALAMEDA ST
City,State,Zip: LOS ANGELES, CA 90021
Facility ID: FA0026116
Last Run Date: 11/01/2022
Status: INACTIVE

B15 **E C I PRINTING** **RCRA-SQG** **1004676749**
WNW **747 WAREHOUSE ST** **FINDS** **CAR000088963**
< 1/8 **LOS ANGELES, CA 90021** **ECHO**
0.014 mi.
76 ft. **Site 3 of 5 in cluster B**

Relative: RCRA Listings:
Higher
Actual: Date Form Received by Agency: 20001226
247 ft. Handler Name: E C I PRINTING
Handler Address: 747 WAREHOUSE ST
Handler City,State,Zip: LOS ANGELES, CA 90021
EPA ID: CAR000088963
Contact Name: WILLIE TURNER
Contact Address: 747 WAREHOUSE ST
Contact City,State,Zip: LOS ANGELES, CA 90021
Contact Telephone: 213-624-8787
Contact Fax: Not reported
Contact Email: Not reported
Contact Title: Not reported
EPA Region: 09
Land Type: Private
Federal Waste Generator Description: Small Quantity Generator
Non-Notifier: Not reported

E C I PRINTING (Continued) **1004676749**

Biennial Report Cycle:		Not reported
Accessibility:		Not reported
Active Site Indicator:		Handler Activities
State District Owner:		Not reported
State District:		Not reported
Mailing Address:		747 WAREHOUSE ST
Mailing City,State,Zip:		LOS ANGELES, CA 90021
Owner Name:	WILLIE TURNER	
Owner Type:		Private
Operator Name:	Not reported	
Operator Type:		Not reported
Short-Term Generator Activity:		No
Importer Activity:		No
Mixed Waste Generator:		No
Transporter Activity:		No
Transfer Facility Activity:		No
Recycler Activity with Storage:		No
Small Quantity On-Site Burner Exemption:		No
Smelting Melting and Refining Furnace Exemption:		No
Underground Injection Control:		No
Off-Site Waste Receipt:		No
Universal Waste Indicator:		No
Universal Waste Destination Facility:		No
Federal Universal Waste:		No
Active Site Fed-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site Converter Treatment storage and Disposal Facility:		Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site State-Reg Handler:		---
Federal Facility Indicator:		Not reported
Hazardous Secondary Material Indicator:		NN
Sub-Part K Indicator:		Not reported
Commercial TSD Indicator:		No
Treatment Storage and Disposal Type:		Not reported
2018 GPRA Permit Baseline:		Not on the Baseline
2018 GPRA Renewals Baseline:		Not on the Baseline
Permit Renewals Workload Universe:		Not reported
Permit Workload Universe:		Not reported
Permit Progress Universe:		Not reported
Post-Closure Workload Universe:		Not reported
Closure Workload Universe:		Not reported
202 GPRA Corrective Action Baseline:		No
Corrective Action Workload Universe:		No
Subject to Corrective Action Universe:		No
Non-TSDFs Where RCRA CA has Been Imposed Universe:		No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:		No
TSDFs Only Subject to CA under Discretionary Auth Universe:		No
Corrective Action Priority Ranking:		No NCAPS ranking
Environmental Control Indicator:		No
Institutional Control Indicator:		No
Human Exposure Controls Indicator:		N/A
Groundwater Controls Indicator:		N/A
Operating TSDF Universe:		Not reported
Full Enforcement Universe:		Not reported
Significant Non-Complier Universe:		No
Unaddressed Significant Non-Complier Universe:		No
Addressed Significant Non-Complier Universe:		No
Significant Non-Complier With a Compliance Schedule Universe:		No

E C I PRINTING (Continued) **1004676749**

Financial Assurance Required:	Not reported
Handler Date of Last Change:	20021007
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	Not reported
Manifest Broker:	Not reported
Sub-Part P Indicator:	No

Hazardous Waste Summary:

Waste Code:	D001
Waste Description:	IGNITABLE WASTE
Waste Code:	D018
Waste Description:	BENZENE
Waste Code:	D039
Waste Description:	TETRACHLOROETHYLENE
Waste Code:	D040
Waste Description:	TRICHLORETHYLENE

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name:	WILLIE TURNER
Legal Status:	Private
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	747 WAREHOUSE ST
Owner/Operator City,State,Zip:	LOS ANGELES, CA 90021
Owner/Operator Telephone:	213-624-8787
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	20001226
Handler Name:	E C I PRINTING
Federal Waste Generator Description:	Small Quantity Generator
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

List of NAICS Codes and Descriptions:

NAICS Codes:	No NAICS Codes Found

E C I PRINTING (Continued) **1004676749**

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

FINDS:
Registry ID: 110012221960

Click Here for FRS Facility Detail Report:

Environmental Interest/Information System:
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:

Envid:	1004676749
Registry ID:	110012221960
DFR URL:	http://echo.epa.gov/detailed-facility-report?fid=110012221960
Name:	E C I PRINTING
Address:	747 WAREHOUSE ST
City,State,Zip:	LOS ANGELES, CA 90021

B16 **AMERICAN APPAREL** **HAZMAT** **S113802426**
WNW **747 WAREHOUSE ST** **N/A**
< 1/8 **LOS ANGELES, CA 90021**
0.014 mi.
76 ft. **Site 4 of 5 in cluster B**

Relative: **Higher**
Actual: **247 ft.**

LOS ANGELES HM:

Name:	AMERICAN APPAREL
Address:	747 WAREHOUSE ST
City,State,Zip:	LOS ANGELES, CA 90021
Facility ID:	FA0038986
Last Run Date:	11/01/2022
Status:	INACTIVE

A17 **UST** **U004304241**
NE **728 S ALAMEDA ST** **N/A**
< 1/8 **LOS ANGELES, CA**
0.019 mi.
100 ft. **Site 4 of 5 in cluster A**

Relative: **Higher**
Actual: **247 ft.**

LOS ANGELES UST:

Name:	Not reported
Address:	728 S ALAMEDA ST
City,State,Zip:	LOS ANGELES, CA
Facility ID:	Not reported

(Continued) U004304241

Last Run Date: 01/01/1900
Status: HISTORICAL

D18 NNE < 1/8 0.021 mi. 112 ft. **CURTIN JOS** **EDR Hist Auto** **1009080136**
1525 E 7TH ST **N/A**
LOS ANGELES, CA

Site 3 of 4 in cluster D

Relative: Higher EDR Hist Auto

Actual: 249 ft.

Year:	Name:	Type:
1929	CURTIN JOS	AUTOMOBILE REPAIRING AND SERVICE STATIONS

A19 NE < 1/8 0.022 mi. 117 ft. **LUXE SEAFOOD CO** **HAZMAT** **S128977301**
732 S ALAMEDA ST **N/A**
LOS ANGELES, CA 90021

Site 5 of 5 in cluster A

Relative: Higher LOS ANGELES HM:

Actual: 247 ft.

Name: LUXE SEAFOOD CO
Address: 732 S ALAMEDA ST
City,State,Zip: LOS ANGELES, CA 90021
Facility ID: FA0039168
Last Run Date: 11/01/2022
Status: INACTIVE

D20 NNE < 1/8 0.032 mi. 170 ft. **MCDONALD'S #18368** **HAZMAT** **S123519039**
690 S ALAMEDA ST **CERS** **N/A**
LOS ANGELES, CA 90021

Site 4 of 4 in cluster D

Relative: Higher LOS ANGELES HM:

Actual: 250 ft.

Name: MCDONALD'S #18368
Address: 690 S ALAMEDA ST
City,State,Zip: LOS ANGELES, CA 90021
Facility ID: FA0041492
Last Run Date: 11/01/2022
Status: ACTIVE

CERS:
Name: MCDONALD'S #18368
Address: 690 S ALAMEDA ST
City,State,Zip: LOS ANGELES, CA 90021
Site ID: 422201
CERS ID: 10734061
CERS Description: Chemical Storage Facilities

Evaluation:
Eval General Type: Compliance Evaluation Inspection
Eval Date: 11-04-2022
Violations Found: No
Eval Type: Routine done by local agency

MCDONALD'S #18368 (Continued) **S123519039**

Eval Notes: The Business Activities, Owner/Operator Identification, Hazardous Materials Inventory, Site Map, Emergency Response/Contingency Plan and Employee Training Plan sections were reviewed in CERS and field verified. Review and correct any violations indicated previously in this report, on or before the COMPLY BY date associated with each violation. NOTE: The LAMC, Sections (L.A.M.C. SECTION 57.105.1.4; 57.120.3; 57.121.2 and 57.121.2.1.) requires businesses that store, use or handle hazardous materials in the City of Los Angeles to obtain a Consolidated Permit from the Los Angeles Fire Department CUPA **** Annual submission of a Hazardous Materials Business Plan into California Environmental Reporting System (CERS) is required between January 1 and March 1 of every year. Per L.A.M.C. 57.121.3.5, failure to submit the required hazardous material business plan (HMBP) information annually into CERS within the established reporting period, may result in a $500.00 late [Truncated]
Eval Division: Los Angeles City Fire Department
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 10-24-2022
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Consent to enter, inspect and take photographs was given by: Karina, Gallegos, Store Manager The Business Activities, Owner/Operator Identification, Hazardous Materials Inventory, Site Map, Emergency Response/Contingency Plan and Employee Training Plan sections were reviewed in CERS and field verified. Review and correct any violations indicated previously in this report, on or before the COMPLY BY date associated with each violation. NOTE: The LAMC, Sections (L.A.M.C. SECTION 57.105.1.4; 57.120.3; 57.121.2 and 57.121.2.1.) requires businesses that store, use or handle hazardous materials in the City of Los Angeles to obtain a Consolidated Permit from the Los Angeles Fire Department CUPA **** Annual submission of a Hazardous Materials Business Plan into California Environmental Reporting System (CERS) is required between January 1 and March 1 of every year. Per L.A.M.C. 57.121.3.5, failure to submit the required hazardous material business plan (HMBP) information [Truncated]
Eval Division: Los Angeles City Fire Department
Eval Program: HMRRP
Eval Source: CERS,

Coordinates:
Site ID: 422201
Facility Name: McDonald's #18368
Env Int Type Code: HMBP
Program ID: 10734061
Coord Name: Not reported
Ref Point Type Desc: Center of a facility or station.,
Latitude: 34.035270
Longitude: -118.238140

Affiliation:
Affiliation Type Desc: CUPA District
Entity Name: Los Angeles City Fire Department
Entity Title: Not reported

MCDONALD'S #18368 (Continued) **S123519039**

Affiliation Address:	200 North Main Street, Room 1780
Affiliation City:	Los Angeles
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	90012
Affiliation Phone:	(213) 978-3680,
Affiliation Type Desc:	Document Preparer
Entity Name:	Diana M. Shinn
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	.
Affiliation Type Desc:	Parent Corporation
Entity Name:	Sanchez Family Corp. DBA McDonald s
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	.
Affiliation Type Desc:	Environmental Contact
Entity Name:	Veronica C. Sanchez
Entity Title:	Not reported
Affiliation Address:	C/O McDonald's 4140 Oceanside Blvd. Ste. 159-170
Affiliation City:	Oceanside
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92056
Affiliation Phone:	.
Affiliation Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	Not reported
Affiliation Address:	5234 Via San Delarro #1
Affiliation City:	Los Angeles
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	90022
Affiliation Phone:	.
Affiliation Type Desc:	Legal Owner
Entity Name:	Sanchez Family Corporation
Entity Title:	Not reported
Affiliation Address:	C/o McDonald's 5234 Via San Delarro #1
Affiliation City:	Los Angeles
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	90022
Affiliation Phone:	(323) 718-1201,

MCDONALD'S #18368 (Continued) **S123519039**

Affiliation Type Desc:	Operator
Entity Name:	Sanchez Family Corporation
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	(323) 718-1201,
Affiliation Type Desc:	Identification Signer
Entity Name:	Marisol C. Sanchez
Entity Title:	C. O. O.
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	.

E21 **JONES C A** **EDR Hist Auto** **1009078721**
North **1389 E 7TH ST** **N/A**
< 1/8 **LOS ANGELES, CA**
0.036 mi.
189 ft. **Site 1 of 10 in cluster E**

Relative: EDR Hist Auto
Higher

Actual: **251 ft.**

Year:	Name:	Type:
1929	JONES C A	GASOLINE AND OIL SERVICE STATION
1933	JONES C A	GASOLINE AND OIL SERVICE STATIONS

E22 **NEWMAN BROS INC** **EDR Hist Auto** **1009082722**
North **1387 E 7TH ST** **N/A**
< 1/8 **LOS ANGELES, CA**
0.037 mi.
195 ft. **Site 2 of 10 in cluster E**

Relative: EDR Hist Auto
Higher

Actual: **251 ft.**

Year:	Name:	Type:
1942	NEWMAN BROS INC	GASOLINE AND OIL SERVICE STATIONS

B23 **UNITED SIGNATURE FOODS** **PFAS ECHO** **1027433636**
NW **34.034372/-118.240733** **N/A**
< 1/8 **LOS ANGELES, CA**
0.056 mi.
295 ft. **Site 5 of 5 in cluster B**

Relative: PFAS ECHO:
Higher

Name:	UNITED SIGNATURE FOODS
Address:	34.034372/-118.240733
City,State,Zip:	LOS ANGELES, CA
Latitude:	34.034372

Actual: **247 ft.**

UNITED SIGNATURE FOODS (Continued) **1027433636**

Longitude:	-118.240733
Count:	-1
County:	LOS ANGELES
Status:	Active
Region:	09
Industry:	Cleaning Product Mfg
ECHO Facility Report:	https://echo.epa.gov/detailed-facility-report?fid=110000473354
Facility Percent Minority:	92.603
Facility Derived Tribes:	Not reported
Facility Population:	14732.03
EJSCREEN Flag US:	Y
EJSCREEN Report:	https://ejscreen.epa.gov/mapper/mobile/EJSCREEN_mobile.aspx?geometry=%7B%22x%22:-118.240733,%22y%22:34.034372,%22spatialReference%22:%7B%22wkid%22:4326%7D%7D&unit=9035&areatype=&areaid=&basemap=streets&distance=1
EPA Programs:	RCRA
Federal Facility:	No
Federal Agency:	Not reported
Facility FIPS Code:	06037
Facility Indian Country Flag:	N
Facility Collection Method:	ADDRESS MATCHING-HOUSE NUMBER
Facility Derived HUC:	18070105
Facility Derived WBD:	Not reported
Facility Derived CD113:	34
Facility Derived CB2010:	060372260022008
Facility Major Flag:	Not reported
Facility Active Flag:	Y
Facility Inspection Count:	0
Facility Date Last Inspection:	Not reported
Facility Days Last Inspection:	Not reported
Facility Informal Count:	0
Facility Date Last Informal Action:	Not reported
Facility Formal Action Count:	0
Facility Date Last Formal Action:	Not reported
Facility Total Penalties:	0
Facility Penalty Count:	Not reported
Facility Date Last Penalty:	Not reported
Facility Last Penalty AMT:	Not reported
Facility QTRS With NC:	0
Facility Programs With SNC:	0
Facility Compliance Status:	No Violation Identified
Facility SNC Flag:	N
AIR Flag:	N
NPDES Flag:	N
SDWIS Flag:	N
RCRA Flag:	Y
TRI Flag:	N
GHG Flag:	N
AIR IDS:	Not reported
CAA Permit Types:	Not reported
CAA NAICS:	Not reported
CAA SICS:	Not reported
NPDES IDS:	Not reported
CWA Permit Types:	Not reported
CWA NAICS:	Not reported
CWA SICS:	Not reported
RCRA IDS:	CAD981368277

UNITED SIGNATURE FOODS (Continued) **1027433636**

RCRA Permit Types:	SQG
RCRA NAICS:	311999
SDWA IDS:	Not reported
SDWA System Types:	Not reported
SDWA Compliance Status:	Not reported
SDWA SNC Flag:	N
TRI IDS:	90021RYKFF737TE
TRI Releases Transfers:	Not reported
TRI On Site Releases:	Not reported
TRI Off Site Transfers:	Not reported
TRI Reporter:	Not reported
Facility IMP Water Flag:	Not reported
Name:	UNITED SIGNATURE FOODS
Address:	34.034372/-118.240733
City,State,Zip:	LOS ANGELES, CA
Latitude:	34.034372
Longitude:	-118.240733
Count:	-1
County:	LOS ANGELES
Status:	Active
Region:	09
Industry:	Plastics and Resins
ECHO Facility Report:	https://echo.epa.gov/detailed-facility-report?fid=110000473354
Facility Percent Minority:	92.603
Facility Derived Tribes:	Not reported
Facility Population:	14732.03
EJSCREEN Flag US:	Y
EJSCREEN Report:	https://ejscreen.epa.gov/mapper/mobile/EJSCREEN_mobile.aspx?geometry=%7B%22x%22:-118.240733,%22y%22:34.034372,%22spatialReference%22:%7B%22wkid%22:4326%7D%7D&unit=9035&areatype=&areaid=&basemap=streets&distance=1
EPA Programs:	RCRA
Federal Facility:	No
Federal Agency:	Not reported
Facility FIPS Code:	06037
Facility Indian Country Flag:	N
Facility Collection Method:	ADDRESS MATCHING-HOUSE NUMBER
Facility Derived HUC:	18070105
Facility Derived WBD:	Not reported
Facility Derived CD113:	34
Facility Derived CB2010:	060372260022008
Facility Major Flag:	Not reported
Facility Active Flag:	Y
Facility Inspection Count:	0
Facility Date Last Inspection:	Not reported
Facility Days Last Inspection:	Not reported
Facility Informal Count:	0
Facility Date Last Informal Action:	Not reported
Facility Formal Action Count:	0
Facility Date Last Formal Action:	Not reported
Facility Total Penalties:	0
Facility Penalty Count:	Not reported
Facility Date Last Penalty:	Not reported
Facility Last Penalty AMT:	Not reported
Facility QTRS With NC:	0
Facility Programs With SNC:	0

UNITED SIGNATURE FOODS (Continued) **1027433636**

Facility Compliance Status:	No Violation Identified
Facility SNC Flag:	N
AIR Flag:	N
NPDES Flag:	N
SDWIS Flag:	N
RCRA Flag:	Y
TRI Flag:	N
GHG Flag:	N
AIR IDS:	Not reported
CAA Permit Types:	Not reported
CAA NAICS:	Not reported
CAA SICS:	Not reported
NPDES IDS:	Not reported
CWA Permit Types:	Not reported
CWA NAICS:	Not reported
CWA SICS:	Not reported
RCRA IDS:	CAD981368277
RCRA Permit Types:	SQG
RCRA NAICS:	311999
SDWA IDS:	Not reported
SDWA System Types:	Not reported
SDWA Compliance Status:	Not reported
SDWA SNC Flag:	N
TRI IDS:	90021RYKFF737TE
TRI Releases Transfers:	Not reported
TRI On Site Releases:	Not reported
TRI Off Site Transfers:	Not reported
TRI Reporter:	Not reported
Facility IMP Water Flag:	Not reported

E24 **K H WILEY TRUCKING CO/C** **HAZMAT** **S123543565**
North **1340 E INDUSTRIAL ST** **N/A**
< 1/8 **LOS ANGELES, CA 90021**
0.058 mi.
305 ft. **Site 3 of 10 in cluster E**

Relative: LOS ANGELES HM:
Higher

Name:	K H WILEY TRUCKING CO/C
Address:	1340 E INDUSTRIAL ST
City,State,Zip:	LOS ANGELES, CA 90021
Facility ID:	FA0006819
Last Run Date:	11/01/2022
Status:	INACTIVE

Actual:
252 ft.

F25 **WESTERN WAREHOUSING - LA** **HIST UST** **U001560909**
South **780 S ALAMEDA** **N/A**
< 1/8 **LOS ANGELES, CA 90021**
0.059 mi.
313 ft. **Site 1 of 4 in cluster F**

Relative: HIST UST:
Lower

Name:	WESTERN WAREHOUSING - LA
Address:	780 S ALAMEDA
City,State,Zip:	LOS ANGELES, CA 90021
File Number:	000287a6
URL:	https://documents.geotracker.waterboards.ca.gov/ustpdfs/pdf/000287a6.pdf

Actual:
244 ft.

WESTERN WAREHOUSING - LA (Continued) **U001560909**

Region:	STATE
Facility ID:	00000006521
Facility Type:	Other
Other Type:	PRODUCE WHSE
Contact Name:	KEVIN WHITEMAN
Telephone:	2136220363
Owner Name:	SOUTHLAND PRODUCE CO.
Owner Address:	746 MARKET COURT
Owner City,St,Zip:	LOS ANGELES, CA 90021
Total Tanks:	0002
Tank Num:	001
Container Num:	2
Year Installed:	1973
Tank Capacity:	00007500
Tank Used for:	PRODUCT
Type of Fuel:	UNLEADED
Container Construction Thickness:	Not reported
Leak Detection:	None
Tank Num:	002
Container Num:	1
Year Installed:	1971
Tank Capacity:	00007500
Tank Used for:	PRODUCT
Type of Fuel:	UNLEADED
Container Construction Thickness:	Not reported
Leak Detection:	None

Click here for Geo Tracker PDF:

F26 **ADOLPH COORS COMAPANY** **SWEEPS UST** **S101584262**
South **780 S ALAMEDA ST** **CA FID UST** **N/A**
< 1/8 **LOS ANGELES, CA 90021** **HAZMAT**
0.059 mi.
313 ft. **Site 2 of 4 in cluster F**

Relative: SWEEPS UST:
Lower

Actual: **244 ft.**

Name:	ADOLPH COORS COMAPANY
Address:	780 S ALAMEDA ST
City:	LOS ANGELES
Status:	Not reported
Comp Number:	742
Number:	Not reported
Board Of Equalization:	44-011376
Referral Date:	Not reported
Action Date:	Not reported
Created Date:	Not reported
Owner Tank Id:	Not reported
SWRCB Tank Id:	19-050-000742-000001
Tank Status:	Not reported
Capacity:	7500
Active Date:	Not reported
Tank Use:	M.V. FUEL
STG:	PRODUCT
Content:	REG UNLEADED
Number Of Tanks:	2

ADOLPH COORS COMAPANY (Continued) **S101584262**

Name:	ADOLPH COORS COMAPANY
Address:	780 S ALAMEDA ST
City:	LOS ANGELES
Status:	Not reported
Comp Number:	742
Number:	Not reported
Board Of Equalization:	44-011376
Referral Date:	Not reported
Action Date:	Not reported
Created Date:	Not reported
Owner Tank Id:	Not reported
SWRCB Tank Id:	19-050-000742-000002
Tank Status:	Not reported
Capacity:	7500
Active Date:	Not reported
Tank Use:	M.V. FUEL
STG:	PRODUCT
Content:	REG UNLEADED
Number Of Tanks:	Not reported

CA FID UST:

Facility ID:	19009999
Regulated By:	UTNKI
Regulated ID:	00006521
Cortese Code:	Not reported
SIC Code:	Not reported
Facility Phone:	3032772057
Mail To:	Not reported
Mailing Address:	780 S ALAMEDA ST
Mailing Address 2:	Not reported
Mailing City,St,Zip:	LOS ANGELES 900210000
Contact:	Not reported
Contact Phone:	Not reported
DUNs Number:	Not reported
NPDES Number:	Not reported
EPA ID:	Not reported
Comments:	Not reported
Status:	Inactive

LOS ANGELES HM:

Name:	FRANCISCO DISTRIBUTING COMPANY LA
Address:	780 S ALAMEDA ST
City,State,Zip:	LOS ANGELES, CA 90014
Facility ID:	FA0013707
Last Run Date:	11/01/2022
Status:	INACTIVE

G27
ESE
< 1/8
0.066 mi.
349 ft.

PAB PRODUCE INC
730 S ALAMEDA ST BLDG A1
LOS ANGELES, CA 90021

Site 1 of 3 in cluster G

Relative:
Lower

Actual:
245 ft.

HAZMAT **S123552748**
N/A

LOS ANGELES HM:

Name:	PAB PRODUCE INC
Address:	730 S ALAMEDA ST BLDG A1
City,State,Zip:	LOS ANGELES, CA 90021
Facility ID:	FA0040825
Last Run Date:	11/01/2022
Status:	ACTIVE

G28
ESE
< 1/8
0.066 mi.
349 ft.

730 S ALAMEDA ST
LOS ANGELES, CA

Site 2 of 3 in cluster G

Relative:
Lower

Actual:
245 ft.

UST **U004304254**
N/A

LOS ANGELES UST:

Name:	Not reported
Address:	730 S ALAMEDA ST
City,State,Zip:	LOS ANGELES, CA
Facility ID:	Not reported
Last Run Date:	01/01/1900
Status:	HISTORICAL

F29
South
< 1/8
0.067 mi.
355 ft.

ALAMEDA SQUARE OWNER LLC
767 S ALAMEDA ST
LOS ANGELES, CA 90021

Site 3 of 4 in cluster F

Relative:
Lower

Actual:
244 ft.

CERS HAZ WASTE **S118925915**
CERS TANKS **N/A**
HAZNET
HAZMAT
CERS
HWTS

CERS HAZ WASTE:

Name:	THE ROW
Address:	767 S ALAMEDA ST
City,State,Zip:	LOS ANGELES, CA 90021
Site ID:	431462
CERS ID:	10752460
CERS Description:	Hazardous Waste Generator

CERS TANKS:

Name:	THE ROW
Address:	767 S ALAMEDA ST
City,State,Zip:	LOS ANGELES, CA 90021
Site ID:	431462
CERS ID:	10752460
CERS Description:	Underground Storage Tank

HAZNET:

Name:	ALAMEDA SQUARE OWNER LLC
Address:	767 S ALAMEDA ST
Address 2:	Not reported
City,State,Zip:	LOS ANGELES, CA 900211633
Contact:	SCOTT DENHAM

ALAMEDA SQUARE OWNER LLC (Continued) **S118925915**

Telephone: 2139888890
Mailing Name: Not reported
Mailing Address: 505 5TH AVE

Year: 2015
Gepaid: CAC002825366
TSD EPA ID: CAT080013352
CA Waste Code: 221 - Waste oil and mixed oil
Disposal Method: H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Tons: 5.7

Year: 2015
Gepaid: CAC002825366
TSD EPA ID: CAD009007626
CA Waste Code: 151 - Asbestos containing waste
Disposal Method: H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Tons: 0.69

Year: 2015
Gepaid: CAC002825366
TSD EPA ID: CAD008302903
CA Waste Code: 221 - Waste oil and mixed oil
Disposal Method: H061 - Fuel Blending Prior To Energy Recovery At Another Site
Tons: 0.19

Year: 2015
Gepaid: CAC002825366
TSD EPA ID: CAD008302903
CA Waste Code: 181 - Other inorganic solid waste
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 1

Year: 2015
Gepaid: CAC002825366
TSD EPA ID: CAD008252405
CA Waste Code: 331 - Off-specification, aged or surplus organics
Disposal Method: H061 - Fuel Blending Prior To Energy Recovery At Another Site
Tons: 0.75

Additional Info:
Year: 2015
Gen EPA ID: CAC002825366

Shipment Date: 20151021
Creation Date: 12/22/2015 22:15:07
Receipt Date: 20151029
Manifest ID: 008944922FLE
Trans EPA ID: CAR000163097
Trans Name: K-VAC ENVIRONMENTAL SERVICES
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDF EPA ID: CAD008302903
Trans Name: VEOLIA ES TECHNICAL SOLUTIONS

ALAMEDA SQUARE OWNER LLC (Continued) **S118925915**

TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Meth Code:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons:	0.19
Waste Quantity:	50
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20151021
Creation Date:	12/22/2015 22:15:07
Receipt Date:	20151029
Manifest ID:	008944922FLE
Trans EPA ID:	CAR000163097
Trans Name:	K-VAC ENVIRONMENTAL SERVICES
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008302903
Trans Name:	VEOLIA ES TECHNICAL SOLUTIONS
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	D008
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	1
Waste Quantity:	2000
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20151019
Creation Date:	5/4/2016 22:15:55
Receipt Date:	20151022
Manifest ID:	008944919FLE
Trans EPA ID:	CAR000163097
Trans Name:	K-VAC ENVIRONMENTAL SERVICES
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008252405
Trans Name:	PACIFIC RESOURCE RECOVERY SERVICES INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	D001
Meth Code:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons:	0.75
Waste Quantity:	1500
Quantity Unit:	P

ALAMEDA SQUARE OWNER LLC (Continued) **S118925915**

Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20151012
Creation Date:	12/15/2015 22:15:14
Receipt Date:	20151012
Manifest ID:	015220552JJK
Trans EPA ID:	CAR000181891
Trans Name:	BDC SPECIAL WASTE SERVICES
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD009007626
Trans Name:	AZUSA LAND RECLAMATION
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	151 - Asbestos-containing waste
RCRA Code:	Not reported
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	0.46
Waste Quantity:	2
Quantity Unit:	Y
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20151002
Creation Date:	12/15/2015 22:15:14
Receipt Date:	20151013
Manifest ID:	012119983JJK
Trans EPA ID:	CAR000181891
Trans Name:	BDC SPECIAL WASTE SERVICES
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD009007626
Trans Name:	AZUSA LAND RECLAMATION
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	151 - Asbestos-containing waste
RCRA Code:	Not reported
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	0.23
Waste Quantity:	1
Quantity Unit:	Y
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20150821

ALAMEDA SQUARE OWNER LLC (Continued) **S118925915**

Creation Date:	2/9/2016 22:15:39
Receipt Date:	20150821
Manifest ID:	014624240JJK
Trans EPA ID:	CAD028277036
Trans Name:	ASBURY ENVIRONMENTAL SERVICES
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	DEMENNO / KERDOON
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	5.7
Waste Quantity:	1500
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

LOS ANGELES HM:

Name:	THE ROW
Address:	767 S ALAMEDA ST
City,State,Zip:	LOS ANGELES, CA 90021
Facility ID:	FA0039360
Last Run Date:	11/01/2022
Status:	ACTIVE

CERS:

Name:	THE ROW
Address:	767 S ALAMEDA ST
City,State,Zip:	LOS ANGELES, CA 90021
Site ID:	431462
CERS ID:	10752460
CERS Description:	Chemical Storage Facilities

Violations:

Site ID:	431462
Site Name:	The ROW
Violation Date:	03-07-2018
Citation:	HSC 6.7 25293 - California Health and Safety Code, Chapter 6.7, Section(s) 25293
Violation Description:	Failure to maintain UST records of monitoring, testing, repairing, and closure in sufficient detail to enable the UPA to determine whether the UST systems are in compliance.
Violation Notes:	Returned to compliance on 04/20/2018.
Violation Division:	Los Angeles City Fire Department
Violation Program:	UST
Violation Source:	CERS,

Site ID:	431462
Site Name:	The ROW
Violation Date:	03-07-2018

ALAMEDA SQUARE OWNER LLC (Continued) **S118925915**

Citation:	HSC 6.7 25284 - California Health and Safety Code, Chapter 6.7, Section(s) 25284
Violation Description:	Failure to obtain a valid permit to operate from the UPA including but not limited to unpaid permit fees.
Violation Notes:	Returned to compliance on 04/20/2018.
Violation Division:	Los Angeles City Fire Department
Violation Program:	UST
Violation Source:	CERS,
Site ID:	431462
Site Name:	The ROW
Violation Date:	03-07-2018
Citation:	23 CCR 16 2715(f)(3) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2715(f)(3)
Violation Description:	Failure to maintain a list of employees trained by the designated operator on-site or off-site at a readily available location, if approved by the UPA.
Violation Notes:	Returned to compliance on 04/20/2018.
Violation Division:	Los Angeles City Fire Department
Violation Program:	UST
Violation Source:	CERS,
Site ID:	431462
Site Name:	The ROW
Violation Date:	02-14-2022
Citation:	23 CCR 16 2716(e) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2716(e)
Violation Description:	For designated operator (DO) monthly inspections conducted before October 1, 2018, failure to comply with one or more of the following requirements: Be performed by an ICC certified DO. Inspect monthly alarm history report, check that alarms are documented and responded to appropriately, and attach a copy. Inspect for the presence of liquid/debris in spill containers. Inspect for the presence of liquid/debris in under dispenser containment (UDC) and ensure that the monitoring equipment is positioned correctly. Inspect for liquid or debris in containment sumps where an alarm occurred with no service visit. Check that all testing and maintenance has been completed and documented. Verify that all facility employees have been trained in accordance with 23 CCR 2715(c). For designated operator (DO) 30 day inspections conducted on and after October 1, 2018, failure to conduct the designated UST operator visual inspection at least once every 30 days.
Violation Notes:	Returned to compliance on 04/15/2022. OBSERVATION: Facility did not comply with one or more of the following DO inspection requirements: DO selected YES on 2/11/2022 DO report for last check box in Section 8, regarding if sump alarms were responded to by qualified technician, per DO notes in Section 3 the alarms cleared themselves. This was also noted by the inspector on the 9/21 & 8/21 DO reports. DO not noting sensors that went into alarm in Section 9 on multiple DO reports. Tank owner/operator did not put date in Section 6 on 2/2022 DO report. CORRECTIVE ACTION: Have DO mark NO for last check box in Section 8 on 2/2022, 9/21, 8/21 DO reports as alarms were not responded to by qualified technicians as per the DO they cleared themselves. Have DO note all sensors that went into alarm in Section 9. Have tank owner/operator note date in Section 6 on 2/2022 DO inspection report. Have DO or tank owner/operator email copies of the corrected inspection reports.

ALAMEDA SQUARE OWNER LLC (Continued) **S118925915**

Violation Division: Los Angeles City Fire Department
Violation Program: UST
Violation Source: CERS,

Site ID: 431462
Site Name: The ROW
Violation Date: 04-09-2018
Citation: 23 CCR 16 2715(f)(2) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2715(f)(2)
Violation Description: Failure to have at least one facility employee present during operating hours that has been trained in the proper operation and maintenance of the UST system by a designated operator (DO).
Violation Notes: Returned to compliance on 04/09/2018.
Violation Division: Los Angeles City Fire Department
Violation Program: UST
Violation Source: CERS,

Site ID: 431462
Site Name: The ROW
Violation Date: 06-14-2019
Citation: 23 CCR 16 2715(a)(1)(B) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2715(a)(1)(B)
Violation Description: Failure to submit the Designated Underground Storage Tank Operator Identification Form within 30 days of installing a UST system or within 30 days of a change in DO.
Violation Notes: Returned to compliance on 07/23/2019. OBSERVATION: Owner/Operator did not maintain a correct Designated Underground Storage Tank Operator Identification Form . Djerl Shultz's ICC # is incorrect. CORRECTIVE ACTION: Submit a new Designated Underground Storage Tank Operator Identification Form to the CUPA within 30 days of a change. Ensure to complete the seperate DO/ Tank owner/operator **********SECOND NOTICE**********
Violation Division: Los Angeles City Fire Department
Violation Program: UST
Violation Source: CERS,

Site ID: 431462
Site Name: The ROW
Violation Date: 03-07-2018
Citation: 23 CCR 16 2641(h) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2641(h)
Violation Description: Failure to have an approved UST Response Plan.
Violation Notes: Returned to compliance on 04/20/2018.
Violation Division: Los Angeles City Fire Department
Violation Program: UST
Violation Source: CERS,

Site ID: 431462
Site Name: The ROW
Violation Date: 02-14-2022
Citation: HSC 6.95 25508(a)(3) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(3)
Violation Description: Failure to complete and electronically submit a site map with all required content.
Violation Notes: Returned to compliance on 03/17/2022. OBSERVATION: The business failed to establish and electronically submit adequate emergency response procedures for a release or threatened release of a hazardous

ALAMEDA SQUARE OWNER LLC (Continued) **S118925915**

material. Plan is missing nearest medical facility and emergency coordinator contact information CORRECTIVE ACTION: Establish and electronically submit adequate emergency response procedures for a release or threatened release of a hazardous material within 30 days. Please add closest Medical facility and emergency coordinator contact information.

Violation Division: Los Angeles City Fire Department
Violation Program: HMRRP
Violation Source: CERS,

Site ID: 431462
Site Name: The ROW
Violation Date: 04-25-2019
Citation: HSC 6.7 25292.1(a) - California Health and Safety Code, Chapter 6.7, Section(s) 25292.1(a)
Violation Description: Failure to operate the UST system to prevent unauthorized releases including leaks, spills, and/or overfills.
Violation Notes: Returned to compliance on 04/25/2019. OBSERVATION: Owner/Operator failed to meet one or more of the requirements applicable to overfill prevention equipment. Facility did not test overfill protection before the October 13th 2018 deadline. CORRECTED ON SITE: Overfill protection was tested on 4/24/2019 during monitor cert by Djerl Shultz with JDS Tank Testing.
Violation Division: Los Angeles City Fire Department
Violation Program: UST
Violation Source: CERS,

Site ID: 431462
Site Name: The ROW
Violation Date: 03-07-2018
Citation: 23 CCR 16 2715(f)(2) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2715(f)(2)
Violation Description: Failure to have at least one facility employee present during operating hours that has been trained in the proper operation and maintenance of the UST system by a designated operator (DO).
Violation Notes: Returned to compliance on 04/20/2018.
Violation Division: Los Angeles City Fire Department
Violation Program: UST
Violation Source: CERS,

Site ID: 431462
Site Name: The ROW
Violation Date: 02-11-2021
Citation: 23 CCR 16 2641(h) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2641(h)
Violation Description: Failure to have an approved UST Monitoring Plan.
Violation Notes: Returned to compliance on 02/19/2021.
Violation Division: Los Angeles City Fire Department
Violation Program: UST
Violation Source: CERS,

Site ID: 431462
Site Name: The ROW
Violation Date: 03-07-2018
Citation: 23 CCR 16 2715(f)(2) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2715(f)(2)
Violation Description: Failure to obtain approval from the UPA for a training program at an

ALAMEDA SQUARE OWNER LLC (Continued) **S118925915**

	unstaffed facility and/or implement the approved training program.
Violation Notes:	Returned to compliance on 04/20/2018.
Violation Division:	Los Angeles City Fire Department
Violation Program:	UST
Violation Source:	CERS,
Site ID:	431462
Site Name:	The ROW
Violation Date:	03-07-2018
Citation:	HSC 6.7 25284, 25286 - California Health and Safety Code, Chapter 6.7, Section(s) 25284, 25286
Violation Description:	Failure to submit a complete and accurate application for a permit to operate a UST, or for renewal of the permit.
Violation Notes:	Returned to compliance on 04/20/2018.
Violation Division:	Los Angeles City Fire Department
Violation Program:	UST
Violation Source:	CERS,
Site ID:	431462
Site Name:	The ROW
Violation Date:	06-14-2019
Citation:	23 CCR 16 2716(e) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2716(e)
Violation Description:	For designated operator (DO) monthly inspections conducted before October 1, 2018, failure to comply with one or more of the following requirements: Be performed by an ICC certified DO. Inspect monthly alarm history report, check that alarms are documented and responded to appropriately, and attach a copy. Inspect for the presence of liquid/debris in spill containers. Inspect for the presence of liquid/debris in under dispenser containment (UDC) and ensure that the monitoring equipment is positioned correctly. Inspect for liquid or debris in containment sumps where an alarm occurred with no service visit. Check that all testing and maintenance has been completed and documented. Verify that all facility employees have been trained in accordance with 23 CCR 2715(c). For designated operator (DO) 30 day inspections conducted on and after October 1, 2018, failure to conduct the designated UST operator visual inspection at least once every 30 days.
Violation Notes:	Returned to compliance on 07/23/2019. OBSERVATION: Facility did not comply with one or more of the following DO monthly inspection requirements: 10/2018 - 2/2019 & 4/2019 Section VI not signed by Tank owner/operator. Tank owner/operator and not the DO fills out Section V with responses to compliance issues in Section III. Missing work orders for work completed on 10/2018-3/2019 DO inspection reports. CORRECTIVE ACTION: Ensure that DO is complying with all the requirements noted above. Submit copy of compliant DO inspection record. Have tank owner/operator sign DO reports from 10/2018 - 2/2019 & 4/2019 in Section VI. Ensure the tank owner/operator is filling out Section V with response to Section III compliance issues. Locate missing work orders for work completed on 10/2018-3/2019 DO inspection reports and attach them to respective DO reports. **********SECOND NOTICE**********
Violation Division:	Los Angeles City Fire Department
Violation Program:	UST
Violation Source:	CERS,
Site ID:	431462

ALAMEDA SQUARE OWNER LLC (Continued) **S118925915**

Site Name:	The ROW
Violation Date:	04-25-2019
Citation:	HSC 6.7 25293 - California Health and Safety Code, Chapter 6.7, Section(s) 25293
Violation Description:	Failure to maintain UST records in sufficient detail to enable the UPA to determine whether the UST systems are in compliance.
Violation Notes:	Returned to compliance on 06/14/2019. OBSERVATION: Owner/Operator did not maintain UST records in sufficient detail to enable the CUPA to determine if UST systems are in compliance. 2017 Monitor Cert testing results were not onsite. CORRECTIVE ACTION: Locate 2017 monitor cert testing results and place in the binder on site. Reminder the last 3 monitor cert testing results are required to be on site.
Violation Division:	Los Angeles City Fire Department
Violation Program:	UST
Violation Source:	CERS,
Site ID:	431462
Site Name:	The ROW
Violation Date:	03-07-2018
Citation:	HSC 6.7 25290.1(c)(3),25290.2(c)(3) - California Health and Safety Code, Chapter 6.7, Section(s) 25290.1(c)(3),25290.2(c)(3)
Violation Description:	Failure to keep water out of the secondary containment of UST systems installed on or after July 1, 2003.
Violation Notes:	Returned to compliance on 04/20/2018.
Violation Division:	Los Angeles City Fire Department
Violation Program:	UST
Violation Source:	CERS,
Site ID:	431462
Site Name:	The ROW
Violation Date:	03-07-2018
Citation:	23 CCR 16 2662(c)(1)(B) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2662(c)(1)(B)
Violation Description:	Failure to install corrosion protection for USTs and/or failure of the field-installed cathodic protection system to meet the consensus standards.
Violation Notes:	Returned to compliance on 04/20/2018.
Violation Division:	Los Angeles City Fire Department
Violation Program:	UST
Violation Source:	CERS,
Site ID:	431462
Site Name:	The ROW
Violation Date:	02-12-2020
Citation:	23 CCR 16 2641(j) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2641(j)
Violation Description:	Failure of the leak detection equipment to be installed, calibrated, operated, and/or maintained properly.
Violation Notes:	Returned to compliance on 02/12/2020. OBSERVATION: Owner/Operator did not properly maintain leak detection equipment T1 vent box VR 208 sensor had a splice outside the junction box and red wire coming from VR monitoring console was pulled into the vent box. CORRECTED ON SITE: Tester Oscar Cervantes with JDS Tank Testing moved the splice and the red cable into the junction box so that no splices and red wiring were outside the junction box.
Violation Division:	Los Angeles City Fire Department
Violation Program:	UST

ALAMEDA SQUARE OWNER LLC (Continued) **S118925915**

Violation Source:	CERS,
Site ID:	431462
Site Name:	The ROW
Violation Date:	03-07-2018
Citation:	HSC 6.7 25292.4(a), 25292.5(a) - California Health and Safety Code, Chapter 6.7, Section(s) 25292.4(a), 25292.5(a)
Violation Description:	Failure to conduct the required initial or periodic enhanced leak detection (ELD) test for UST systems located within 1,000 feet of a public drinking water well.
Violation Notes:	Returned to compliance on 04/20/2018.
Violation Division:	Los Angeles City Fire Department
Violation Program:	UST
Violation Source:	CERS,
Site ID:	431462
Site Name:	The ROW
Violation Date:	03-07-2018
Citation:	23 CCR 16 2712(i) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2712(i)
Violation Description:	Failure to retain a copy of the permit to operate at the facility.
Violation Notes:	Returned to compliance on 04/20/2018.
Violation Division:	Los Angeles City Fire Department
Violation Program:	UST
Violation Source:	CERS,
Site ID:	431462
Site Name:	The ROW
Violation Date:	03-07-2018
Citation:	23 CCR 16 2636(f)(5) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2636(f)(5)
Violation Description:	"Failure to meet one or more of the following monitoring requirements in lieu of the requirement to be tightness tested annually: The monitoring system maintains all product piping outside the dispenser to be fail-safe and shut down the pump when a leak is detected. The monitoring system shuts down the pump or stops flow when a leak is detected in the under dispenser containment (UDC)."
Violation Notes:	Returned to compliance on 04/20/2018.
Violation Division:	Los Angeles City Fire Department
Violation Program:	UST
Violation Source:	CERS,
Site ID:	431462
Site Name:	The ROW
Violation Date:	03-07-2018
Citation:	23 CCR 16 2632(c)(2)(A)&(B) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2632(c)(2)(A)&(B)
Violation Description:	Failure to continuously monitor the interstitial space of a double-walled tank with an audible and visual alarm system.
Violation Notes:	Returned to compliance on 04/20/2018.
Violation Division:	Los Angeles City Fire Department
Violation Program:	UST
Violation Source:	CERS,
Site ID:	431462
Site Name:	The ROW
Violation Date:	03-07-2018

ALAMEDA SQUARE OWNER LLC (Continued) **S118925915**

Citation:	HSC 6.7 25290.1(e) - California Health and Safety Code, Chapter 6.7, Section(s) 25290.1(e)
Violation Description:	Failure to maintain the interstitial space such that a breach in the primary or secondary containment is detected before the liquid or vapor phase of the hazardous substance stored in the UST tank is released into the environment, i.e., vapor, pressure, hydrostatic (VPH) monitoring.
Violation Notes:	Returned to compliance on 04/20/2018.
Violation Division:	Los Angeles City Fire Department
Violation Program:	UST
Violation Source:	CERS,
Site ID:	431462
Site Name:	The ROW
Violation Date:	03-07-2018
Citation:	23 CCR 16 2715(i) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2715(i)
Violation Description:	Failure to have a properly qualified service technician test leak detection equipment as required every 12 months (vapor, pressure, hydrostatic (VPH) system, sensors, line-leak detectors (LLD), automatic tank gauge (ATG), etc.).
Violation Notes:	Returned to compliance on 04/20/2018.
Violation Division:	Los Angeles City Fire Department
Violation Program:	UST
Violation Source:	CERS,
Site ID:	431462
Site Name:	The ROW
Violation Date:	03-07-2018
Citation:	HSC 6.7 25290.2(c) - California Health and Safety Code, Chapter 6.7, Section(s) 25290.2(c)
Violation Description:	Failure to maintain secondary containment (e.g., failure of secondary containment testing).
Violation Notes:	Returned to compliance on 04/20/2018.
Violation Division:	Los Angeles City Fire Department
Violation Program:	UST
Violation Source:	CERS,
Site ID:	431462
Site Name:	The ROW
Violation Date:	03-07-2018
Citation:	23 CCR 16 2712(i) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2712(i)
Violation Description:	Failure to have current UST Monitoring Plan available on site.
Violation Notes:	Returned to compliance on 04/20/2018.
Violation Division:	Los Angeles City Fire Department
Violation Program:	UST
Violation Source:	CERS,
Site ID:	431462
Site Name:	The ROW
Violation Date:	03-07-2018
Citation:	23 CCR 16 2635(c)(8) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2635(c)(8)
Violation Description:	Failure to submit as-built plans for the location and orientation of the tanks and appurtenant piping systems for new installations and/or with the permit application.

ALAMEDA SQUARE OWNER LLC (Continued) **S118925915**

Violation Notes:	Returned to compliance on 04/20/2018.
Violation Division:	Los Angeles City Fire Department
Violation Program:	UST
Violation Source:	CERS,
Site ID:	431462
Site Name:	The ROW
Violation Date:	03-07-2018
Citation:	23 CCR 16 2637(e) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2637(e)
Violation Description:	Failure to submit a copy of the secondary containment test results to the UPA within 30 days after the test.
Violation Notes:	Returned to compliance on 04/20/2018.
Violation Division:	Los Angeles City Fire Department
Violation Program:	UST
Violation Source:	CERS,
Site ID:	431462
Site Name:	The ROW
Violation Date:	03-07-2018
Citation:	HSC 6.7 25283.5(a) - California Health and Safety Code, Chapter 6.7, Section(s) 25283.5(a)
Violation Description:	Failure to meet the conditions required to exempt a tank system located in a below-grade structure from UST regulations.
Violation Notes:	Returned to compliance on 04/20/2018.
Violation Division:	Los Angeles City Fire Department
Violation Program:	UST
Violation Source:	CERS,
Site ID:	431462
Site Name:	The ROW
Violation Date:	04-25-2019
Citation:	23 CCR 16 2712(i) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2712(i)
Violation Description:	Failure to have current UST Monitoring Plan available on site.
Violation Notes:	Returned to compliance on 06/14/2019. OBSERVATION: Owner/Operator did not maintain a current UST monitoring plan on site. CORRECTIVE ACTION: Maintain a current UST monitoring plan on site.
Violation Division:	Los Angeles City Fire Department
Violation Program:	UST
Violation Source:	CERS,
Site ID:	431462
Site Name:	The ROW
Violation Date:	02-24-2017
Citation:	23 CCR 6.7 25284, 25286 - California Code of Regulations, Title 23, Chapter 6.7, Section(s) 25284, 25286
Violation Description:	Failure to submit a complete and accurate application for a permit to operate a UST, or for renewal of the permit.
Violation Notes:	Returned to compliance on 04/20/2018. OBSERVATION: Owner/Operator did not submit and/or maintain an accurate UST Operating Permit Application for Facility information and/or Tank information. CORRECTIVE ACTION: Submit and maintain an accurate UST Operating Permit Application for Facility information and/or Tank information.
Violation Division:	Los Angeles City Fire Department
Violation Program:	UST
Violation Source:	CERS,

ALAMEDA SQUARE OWNER LLC (Continued) **S118925915**

Site ID:	431462
Site Name:	The ROW
Violation Date:	04-09-2018
Citation:	23 CCR 16 2715(f)(3) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2715(f)(3)
Violation Description:	Failure to maintain a list of employees trained by the designated operator on-site or off-site at a readily available location, if approved by the UPA.
Violation Notes:	Returned to compliance on 04/09/2018.
Violation Division:	Los Angeles City Fire Department
Violation Program:	UST
Violation Source:	CERS,
Site ID:	431462
Site Name:	The ROW
Violation Date:	03-07-2018
Citation:	23 CCR 16 2715(a) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2715(a)
Violation Description:	Failure to submit the UPA. of the designated operator (DO) identification and/or change of the DO within 30 days.
Violation Notes:	Returned to compliance on 04/20/2018.
Violation Division:	Los Angeles City Fire Department
Violation Program:	UST
Violation Source:	CERS,
Site ID:	431462
Site Name:	The ROW
Violation Date:	06-14-2019
Citation:	HSC 6.7 25293 - California Health and Safety Code, Chapter 6.7, Section(s) 25293
Violation Description:	Failure to maintain UST records in sufficient detail to enable the UPA to determine whether the UST systems are in compliance.
Violation Notes:	Returned to compliance on 08/12/2019. OBSERVATION: Owner/Operator did not maintain UST records in sufficient detail to enable the CUPA to determine if UST systems are in compliance. 2017 Monitor Cert testing results were not onsite. CORRECTIVE ACTION: Locate 2017 monitor cert testing results and place in the binder on site. Reminder the last 3 monitor cert testing results are required to be on site. **********SECOND NOTICE**********
Violation Division:	Los Angeles City Fire Department
Violation Program:	UST
Violation Source:	CERS,
Site ID:	431462
Site Name:	The ROW
Violation Date:	03-07-2018
Citation:	HSC 6.7 25291(a)(1) - California Health and Safety Code, Chapter 6.7, Section(s) 25291(a)(1)
Violation Description:	UST system is not made of or lined with materials that are compatible with the substance stored in the UST system.
Violation Notes:	Returned to compliance on 04/20/2018.
Violation Division:	Los Angeles City Fire Department
Violation Program:	UST
Violation Source:	CERS,
Site ID:	431462
Site Name:	The ROW

ALAMEDA SQUARE OWNER LLC (Continued) **S118925915**

Violation Date:	03-07-2018
Citation:	HSC 6.7 25290.2(d) - California Health and Safety Code, Chapter 6.7, Section(s) 25290.2(d)
Violation Description:	Failure of a UST system installed on or after July 1, 2003 and before July 1, 2004 to be designed and constructed with a monitoring system capable of detecting the entry of the hazardous substance stored in the primary containment into the secondary containment and capable of detecting water intrusion into the secondary containment.
Violation Notes:	Returned to compliance on 04/20/2018.
Violation Division:	Los Angeles City Fire Department
Violation Program:	UST
Violation Source:	CERS,
Site ID:	431462
Site Name:	The ROW
Violation Date:	03-07-2018
Citation:	HSC 6.7 25281.6(a) - California Health and Safety Code, Chapter 6.7, Section(s) 25281.6(a)
Violation Description:	Failure to meet the conditions required to exempt an emergency generator tank system in a below-grade structure from UST regulations.
Violation Notes:	Returned to compliance on 04/20/2018.
Violation Division:	Los Angeles City Fire Department
Violation Program:	UST
Violation Source:	CERS,
Site ID:	431462
Site Name:	The ROW
Violation Date:	04-25-2019
Citation:	23 CCR 16 2712(b)(1)(G) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2712(b)(1)(G)
Violation Description:	Failure to comply with one or more of the following overfill prevention equipment requirements: Alert the transfer operator when the tank is 90 percent full by restricting the flow into the tank or triggering an audible and visual alarm; or Restrict delivery of flow to the tank at least 30 minutes before the tank overfills, provided the restriction occurs when the tank is filled to no more than 95 percent of capacity; and activate an audible alarm at least five minutes before the tank overfills; or Provide positive shut-off of flow to the tank when the tank is filled to no more than 95 percent of capacity; or Provide positive shut-off of flow to the tank so that none of the fittings located on the top of the tank are exposed to product due to overfilling. Install/retrofit overfill prevention equipment that does not use flow restrictors on vent piping to meet overfill prevention equipment requirements when the overfill prevention equipment is installed, repaired, or replaced on and after October 1, 2018. For USTs installed before October 1, 2018, perform an inspection by October 13, 2018 and every 36 months thereafter. For USTs installed on and after October 1, 2018, perform an inspection at installation and every 36 months thereafter. Inspected within 30 days after a repair to the overfill prevention equipment. Inspected using an applicable manufacturer guidelines, industry codes, engineering standards, or a method approved by a professional engineer. Inspected by a certified UST service technician. Maintain records of overfill prevention equipment inspection for 36 months.
Violation Notes:	Returned to compliance on 04/25/2019. OBSERVATION: Owner/Operator failed to meet one or more of the requirements applicable to overfill prevention equipment. Facility did not test overfill protection before

ALAMEDA SQUARE OWNER LLC (Continued) **S118925915**

	the October 13th 2018 deadline. CORRECTED ON SITE: Overfill protection was tested on 4/24/2019 during monitor cert by Djerl Shultz with JDS Tank Testing.
Violation Division:	Los Angeles City Fire Department
Violation Program:	UST
Violation Source:	CERS,
Site ID:	431462
Site Name:	The ROW
Violation Date:	09-26-2019
Citation:	23 CCR 16 2638(d) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2638(d)
Violation Description:	Failure to submit the Monitoring System Certification Form to the UPA within 30 days of completion of the test.
Violation Notes:	Returned to compliance on 09/26/2019. OBSERVATION: Owner/Operator did not submit the Monitoring System Certification Form to the CUPA within 30 days of completion of the test. CORRECTED ON SITE: Copy of the Monitoring System Certification was sent into the CUPA.
Violation Division:	Los Angeles City Fire Department
Violation Program:	UST
Violation Source:	CERS,
Site ID:	431462
Site Name:	The ROW
Violation Date:	02-24-2017
Citation:	HSC 6.7 25284(a)(3)(A) & (B); - California Health and Safety Code, Chapter 6.7, Section(s) 25284(a)(3)(A) & (B);
Violation Description:	Failure to implement or maintain a written agreement between the UST permit holder and the operator (owner/operator agreement).
Violation Notes:	Returned to compliance on 04/20/2018. OBSERVATION: Owner/Operator did not submit, maintain and implement an owner/operator written agreement. CORRECTIVE ACTION:Submit, maintain and implement an owner/operator written agreement.
Violation Division:	Los Angeles City Fire Department
Violation Program:	UST
Violation Source:	CERS,
Site ID:	431462
Site Name:	The ROW
Violation Date:	02-11-2021
Citation:	23 CCR 16 2716(e) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2716(e)
Violation Description:	For designated operator (DO) monthly inspections conducted before October 1, 2018, failure to comply with one or more of the following requirements: Be performed by an ICC certified DO. Inspect monthly alarm history report, check that alarms are documented and responded to appropriately, and attach a copy. Inspect for the presence of liquid/debris in spill containers. Inspect for the presence of liquid/debris in under dispenser containment (UDC) and ensure that the monitoring equipment is positioned correctly. Inspect for liquid or debris in containment sumps where an alarm occurred with no service visit. Check that all testing and maintenance has been completed and documented. Verify that all facility employees have been trained in accordance with 23 CCR 2715(c). For designated operator (DO) 30 day inspections conducted on and after October 1, 2018, failure to conduct the designated UST operator visual inspection at least once every 30 days.

ALAMEDA SQUARE OWNER LLC (Continued) **S118925915**

Violation Notes:	Returned to compliance on 02/19/2021. OBSERVATION: Facility did not comply with one or more of the following DO inspection requirements: DO did not include date on alarm print out on 1/21-3/20 DO reports. DO incorrectly marked YES in Section X for secondary containment testing. Ensure DO is making clear explanation on what happened when fuel alarms are cleared on 11/20-8/20 DO reports. CORRECTIVE ACTION: Ensure that DO is including the date on the alarm print outs. DO corrected Section 10 on 11/20 DO report to N/A to secondary containment testing date. with all the requirements noted above. Ensure DO is properly explaining what happen when the fuel alarms were cleared on DO reports listed above. Submit copy of compliant DO inspection record.
Violation Division:	Los Angeles City Fire Department
Violation Program:	UST
Violation Source:	CERS,
Site ID:	431462
Site Name:	The ROW
Violation Date:	04-25-2019
Citation:	23 CCR 16 2715(a)(1)(B) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2715(a)(1)(B)
Violation Description:	Failure to submit the Designated Underground Storage Tank Operator Identification Form within 30 days of installing a UST system or within 30 days of a change in DO.
Violation Notes:	Returned to compliance on 06/14/2019. OBSERVATION: Owner/Operator did not maintain a correct Designated Underground Storage Tank Operator Identification Form . Djerl Shultz's ICC # is incorrect. CORRECTIVE ACTION: Submit a new Designated Underground Storage Tank Operator Identification Form to the CUPA within 30 days of a change. Ensure to complete the seperate DO/ Tank owner/operator agreement.
Violation Division:	Los Angeles City Fire Department
Violation Program:	UST
Violation Source:	CERS,
Site ID:	431462
Site Name:	The ROW
Violation Date:	03-07-2018
Citation:	23 CCR 16 2636(f)(1) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2636(f)(1)
Violation Description:	Failure of the double-walled pressurized piping to be continuously monitored with a system that activates an audible and visual alarm or stops flow at the dispenser when a leak is detected.
Violation Notes:	Returned to compliance on 04/20/2018.
Violation Division:	Los Angeles City Fire Department
Violation Program:	UST
Violation Source:	CERS,
Site ID:	431462
Site Name:	The ROW
Violation Date:	03-07-2018
Citation:	23 CCR 16 2641(h) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2641(h)
Violation Description:	Failure to have an approved UST Monitoring Plan.
Violation Notes:	Returned to compliance on 04/20/2018.
Violation Division:	Los Angeles City Fire Department
Violation Program:	UST
Violation Source:	CERS,

ALAMEDA SQUARE OWNER LLC (Continued) **S118925915**

Site ID:	431462
Site Name:	The ROW
Violation Date:	02-24-2017
Citation:	23 CCR 16 2715(a) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2715(a)
Violation Description:	Failure to notify the CUPA of the designated operator (DO) identification and/or change of the DO within 30 days.
Violation Notes:	Returned to compliance on 04/20/2018. OBSERVATION: Owner/Operator does not have a DO or did not notify CUPA within 30 days of obtaining a DO. CORRECTIVE ACTION: Maintain a DO and/or notify the CUPA within 30 days of a change.
Violation Division:	Los Angeles City Fire Department
Violation Program:	UST
Violation Source:	CERS,
Site ID:	431462
Site Name:	The ROW
Violation Date:	06-14-2019
Citation:	23 CCR 16 2712(i) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2712(i)
Violation Description:	Failure to have current UST Monitoring Plan available on site.
Violation Notes:	Returned to compliance on 08/12/2019. OBSERVATION: Owner/Operator did not maintain a current UST monitoring plan on site. CORRECTIVE ACTION: Maintain a current UST monitoring plan on site. **********SECOND NOTICE**********
Violation Division:	Los Angeles City Fire Department
Violation Program:	UST
Violation Source:	CERS,
Site ID:	431462
Site Name:	The ROW
Violation Date:	03-07-2018
Citation:	23 CCR 16 2712 - California Code of Regulations, Title 23, Chapter 16, Section(s) 2712
Violation Description:	Failure to comply with any of the applicable requirements of the permit issued for the operation of the UST system.
Violation Notes:	Returned to compliance on 04/20/2018.
Violation Division:	Los Angeles City Fire Department
Violation Program:	UST
Violation Source:	CERS,
Site ID:	431462
Site Name:	The ROW
Violation Date:	03-07-2018
Citation:	HSC 6.7 25292(e) - California Health and Safety Code, Chapter 6.7, Section(s) 25292(e)
Violation Description:	Failure to install a line leak detector (LLD).
Violation Notes:	Returned to compliance on 04/20/2018.
Violation Division:	Los Angeles City Fire Department
Violation Program:	UST
Violation Source:	CERS,
Site ID:	431462
Site Name:	The ROW
Violation Date:	03-07-2018
Citation:	HSC 6.7 25284.2 - California Health and Safety Code, Chapter 6.7, Section(s) 25284.2

ALAMEDA SQUARE OWNER LLC (Continued) **S118925915**

Violation Description:	Failure to test the spill bucket annually.
Violation Notes:	Returned to compliance on 04/20/2018.
Violation Division:	Los Angeles City Fire Department
Violation Program:	UST
Violation Source:	CERS,
Site ID:	431462
Site Name:	The ROW
Violation Date:	03-07-2018
Citation:	23 CCR 16 2712(b) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2712(b)
Violation Description:	Failure to maintain monitoring and maintenance records and/or maintain records of appropriate follow-up actions.
Violation Notes:	Returned to compliance on 04/20/2018.
Violation Division:	Los Angeles City Fire Department
Violation Program:	UST
Violation Source:	CERS,
Site ID:	431462
Site Name:	The ROW
Violation Date:	03-07-2018
Citation:	23 CCR 16 2636(f)(2) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2636(f)(2)
Violation Description:	Failure of the functional line leak detector (LLD) monitoring pressurized piping to meet one or more of the following requirements: Monitored at least hourly with the capability of detecting a release of 3.0 gallons per hour leak at 10 p.s.i.g. and restrict or shut off the flow of product through the piping when a leak is detected.
Violation Notes:	Returned to compliance on 04/20/2018.
Violation Division:	Los Angeles City Fire Department
Violation Program:	UST
Violation Source:	CERS,
Site ID:	431462
Site Name:	The ROW
Violation Date:	03-07-2018
Citation:	23 CCR 16 2631.1(b) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2631.1(b)
Violation Description:	Failure to submit and/or maintain documentation regarding positive statement of compatibility for UST system components.
Violation Notes:	Returned to compliance on 04/20/2018.
Violation Division:	Los Angeles City Fire Department
Violation Program:	UST
Violation Source:	CERS,
Site ID:	431462
Site Name:	The ROW
Violation Date:	02-14-2022
Citation:	HSC 6.95 25508(a)(3) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(3)
Violation Description:	Failure to complete and electronically submit hazardous material inventory information for all reportable hazardous materials on site at or above reportable quantities.
Violation Notes:	Returned to compliance on 03/17/2022. OBSERVATION: The business failed to electronically submit complete and accurate chemical inventory information for all hazardous materials on site at or above reportable quantities. CORRECTIVE ACTION: Electronically submit complete and

ALAMEDA SQUARE OWNER LLC (Continued) **S118925915**

accurate chemical inventory information for all hazardous materials on site at or above reportable quantities. Add 1. Mixture information for all applicable hazardous materials. Update 1. Fed Hazardous category for Diesel include carcinogen.
Violation Division: Los Angeles City Fire Department
Violation Program: HMRRP
Violation Source: CERS,

Site ID: 431462
Site Name: The ROW
Violation Date: 03-07-2018
Citation: 23 CCR 16 2711(a)(8) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2711(a)(8)
Violation Description: Failure to submit or maintain a current facility plot plan.
Violation Notes: Returned to compliance on 04/20/2018.
Violation Division: Los Angeles City Fire Department
Violation Program: UST
Violation Source: CERS,

Site ID: 431462
Site Name: The ROW
Violation Date: 03-07-2018
Citation: 23 CCR 16 2641(j) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2641(j)
Violation Description: Failure of the leak detection equipment to be installed, calibrated, operated, and/or maintained properly.
Violation Notes: Returned to compliance on 04/20/2018.
Violation Division: Los Angeles City Fire Department
Violation Program: UST
Violation Source: CERS,

Site ID: 431462
Site Name: The ROW
Violation Date: 03-07-2018
Citation: Un-Specified
Violation Description: UST Program - Administration/Documentation - General Local Ordinance - Must include violation description and proper ordinance citation in the "comment" section.
Violation Notes: Returned to compliance on 04/20/2018.
Violation Division: Los Angeles City Fire Department
Violation Program: UST
Violation Source: CERS,

Site ID: 431462
Site Name: The ROW
Violation Date: 03-07-2018
Citation: 23 CCR 16 2641(a) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2641(a)
Violation Description: Failure to maintain secondarily contained piping to allow liquid to flow into the sump in the event of a leak (i.e., failure to remove test boot).
Violation Notes: Returned to compliance on 04/20/2018.
Violation Division: Los Angeles City Fire Department
Violation Program: UST
Violation Source: CERS,

Site ID: 431462

ALAMEDA SQUARE OWNER LLC (Continued) **S118925915**

Site Name: The ROW
Violation Date: 03-07-2018
Citation: HSC 6.75 25299.30-25299.34 - California Health and Safety Code, Chapter 6.75, Section(s) 25299.30-25299.34
Violation Description: Failure to submit and maintain complete and current Certification of Financial Responsibility or other mechanism of financial assurance.
Violation Notes: Returned to compliance on 04/20/2018.
Violation Division: Los Angeles City Fire Department
Violation Program: UST
Violation Source: CERS,

Site ID: 431462
Site Name: The ROW
Violation Date: 03-07-2018
Citation: 23 CCR 16 2663 - California Code of Regulations, Title 23, Chapter 16, Section(s) 2663
Violation Description: Failure to complete one or more of the requirements of tank lining, including but not limited to: submit proper written tank lining certification to the UPA within 30 days of completion of the inspection, perform tank integrity test and/or vacuum test following lining, employ proper coatings expert and/or special inspector.
Violation Notes: Returned to compliance on 04/20/2018.
Violation Division: Los Angeles City Fire Department
Violation Program: UST
Violation Source: CERS,

Site ID: 431462
Site Name: The ROW
Violation Date: 03-07-2018
Citation: 23 CCR 16 2636(f)(1) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2636(f)(1)
Violation Description: Failure of the leak detection equipment to have an audible and visual alarm as required.
Violation Notes: Returned to compliance on 04/20/2018.
Violation Division: Los Angeles City Fire Department
Violation Program: UST
Violation Source: CERS,

Site ID: 431462
Site Name: The ROW
Violation Date: 03-07-2018
Citation: HSC 6.7 25292(e) - California Health and Safety Code, Chapter 6.7, Section(s) 25292(e)
Violation Description: Failure to perform an annual line integrity test for pressurized double-walled piping that does not utilize fail safe or positive shut down.
Violation Notes: Returned to compliance on 04/20/2018.
Violation Division: Los Angeles City Fire Department
Violation Program: UST
Violation Source: CERS,

Site ID: 431462
Site Name: The ROW
Violation Date: 03-07-2018
Citation: HSC 6.7 25284(a)(3)(A)&(B) - California Health and Safety Code, Chapter 6.7, Section(s) 25284(a)(3)(A)&(B)
Violation Description: Failure to implement or maintain a written agreement between the UST

ALAMEDA SQUARE OWNER LLC (Continued) **S118925915**

owner and operator.
Violation Notes: Returned to compliance on 04/20/2018.
Violation Division: Los Angeles City Fire Department
Violation Program: UST
Violation Source: CERS,

Site ID: 431462
Site Name: The ROW
Violation Date: 02-24-2017
Citation: 23 CCR 16 2712(i) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2712(i)
Violation Description: Failure to have a UST Monitoring Plan available on site.
Violation Notes: Returned to compliance on 04/20/2018. OBSERVATION: Owner/Operator did not maintain an approved monitoring plan. CORRECTIVE ACTION: Maintain an approved monitoring plan. Submit monitoring plan for approval.
Violation Division: Los Angeles City Fire Department
Violation Program: UST
Violation Source: CERS,

Site ID: 431462
Site Name: The ROW
Violation Date: 05-07-2021
Citation: 23 CCR 16 2716(e) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2716(e)
Violation Description: For designated operator (DO) monthly inspections conducted before October 1, 2018, failure to comply with one or more of the following requirements: Be performed by an ICC certified DO. Inspect monthly alarm history report, check that alarms are documented and responded to appropriately, and attach a copy. Inspect for the presence of liquid/debris in spill containers. Inspect for the presence of liquid/debris in under dispenser containment (UDC) and ensure that the monitoring equipment is positioned correctly. Inspect for liquid or debris in containment sumps where an alarm occurred with no service visit. Check that all testing and maintenance has been completed and documented. Verify that all facility employees have been trained in accordance with 23 CCR 2715(c). For designated operator (DO) 30 day inspections conducted on and after October 1, 2018, failure to conduct the designated UST operator visual inspection at least once every 30 days.
Violation Notes: Returned to compliance on 12/03/2021. OBSERVATION: Facility did not comply with one or more of the following DO inspection requirements: DO did not include date on alarm print out on 1/21-3/20 DO reports. DO incorrectly marked YES in Section X for secondary containment testing. Ensure DO is making clear explanation on what happened when fuel alarms are cleared on 11/20-8/20 DO reports. CORRECTIVE ACTION: Ensure that DO is including the date on the alarm print outs. DO corrected Section 10 on 11/20 DO report to N/A to secondary containment testing date, with all the requirements noted above. Ensure DO is properly explaining what happen when the fuel alarms were cleared on DO reports listed above. Submit copy of compliant DO inspection record.
Violation Division: Los Angeles City Fire Department
Violation Program: UST
Violation Source: CERS,

Site ID: 431462
Site Name: The ROW
Violation Date: 02-24-2017

ALAMEDA SQUARE OWNER LLC (Continued) **S118925915**

Citation:	HSC 6.75 25299.30-25299.34 - California Health and Safety Code, Chapter 6.75, Section(s) 25299.30-25299.34
Violation Description:	Failure to submit and maintain complete and current Certification of Financial Responsibility or other mechanism of financial assurance.
Violation Notes:	Returned to compliance on 04/20/2018. OBSERVATION: Financial responsibility documents have not been submitted to the CUPA. Current financial responsibility documents are required to be submitted annually. CORRECTIVE ACTION: Complete and submit a copy of the financial responsibility by [date, 30 days from now].
Violation Division:	Los Angeles City Fire Department
Violation Program:	UST
Violation Source:	CERS,
Site ID:	431462
Site Name:	The ROW
Violation Date:	03-07-2018
Citation:	23 CCR 16 2665 - California Code of Regulations, Title 23, Chapter 16, Section(s) 2665
Violation Description:	Failure of the overfill prevention system to meet one of the following requirements: Alert the transfer operator when the tank is 90 percent full by restricting the flow into the tank or triggering an audible and visual alarm; or Restrict delivery of flow to the tank at least 30 minutes before the tank overfills, provided the restriction occurs when the tank is filled to no more than 95 percent of capacity; and activate an audible alarm at least five minutes before the tank overfills; or Provide positive shut-off of flow to the tank when the tank is filled to no more than 95 percent of capacity; or Provide positive shut-off of flow to the tank so that none of the fittings located on the top of the tank are exposed to product due to overfilling.
Violation Notes:	Returned to compliance on 04/20/2018.
Violation Division:	Los Angeles City Fire Department
Violation Program:	UST
Violation Source:	CERS,
Site ID:	431462
Site Name:	The ROW
Violation Date:	08-12-2019
Citation:	23 CCR 16 2715(f) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2715(f)
Violation Description:	Failure to have a properly qualified service technician test leak detection equipment as required every 12 months (vapor, pressure, hydrostatic (VPH) system, sensors, line-leak detectors (LLD), automatic tank gauge (ATG), etc.).
Violation Notes:	Returned to compliance on 08/12/2019. OBSERVATION: Annual monitoring system certification and/or leak detector testing, were last performed on 2/24/2017 and was completed on 4/25/2019, 2 months past due. These tests are required once every 12 months. CORRECTED ON SITE: Immediately schedule these tests and provide 48 hours notification to the CUPA. Testing was completed on 4/25/2019 done by JDS Testing. As discussed on site any future late testing will be considered a Class I violation and subject to fine assessment.
Violation Division:	Los Angeles City Fire Department
Violation Program:	UST
Violation Source:	CERS,
Site ID:	431462

ALAMEDA SQUARE OWNER LLC (Continued) **S118925915**

Site Name:	The ROW
Violation Date:	03-07-2018
Citation:	HSC 6.7 25295(a)(1) - California Health and Safety Code, Chapter 6.7, Section(s) 25295(a)(1)
Violation Description:	Failure to notify and/or prepare a report to the UPA upon discovery of a reportable or failed to record unauthorized release.
Violation Notes:	Returned to compliance on 04/20/2018.
Violation Division:	Los Angeles City Fire Department
Violation Program:	UST
Violation Source:	CERS,
Site ID:	431462
Site Name:	The ROW
Violation Date:	03-07-2018
Citation:	HSC 6.7 25292.4(d), 25292.5(c) - California Health and Safety Code, Chapter 6.7, Section(s) 25292.4(d), 25292.5(c)
Violation Description:	Failure to take appropriate action to repair and retest any leaking UST component which is discovered from an enhanced leak detection (ELD) test for UST systems located within 1,000 feet of a public drinking water well.
Violation Notes:	Returned to compliance on 04/20/2018.
Violation Division:	Los Angeles City Fire Department
Violation Program:	UST
Violation Source:	CERS,
Site ID:	431462
Site Name:	The ROW
Violation Date:	02-14-2022
Citation:	23 CCR 16 2712(i) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2712(i)
Violation Description:	Failure to retain a copy of the permit to operate at the facility.
Violation Notes:	Returned to compliance on 04/15/2022. OBSERVATION: Owner/Operator did not retain a paper or electronic copy of the permit to operate at the facility. CORRECTIVE ACTION: Retain a paper or electronic copy of the permit to operate at the facility.
Violation Division:	Los Angeles City Fire Department
Violation Program:	UST
Violation Source:	CERS,
Site ID:	431462
Site Name:	The ROW
Violation Date:	03-07-2018
Citation:	23 CCR 16 2631(c),2662(d) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2631(c),2662(d)
Violation Description:	Failure to have either a striker plate installed or to have a drop tube-mounted bottom protector.
Violation Notes:	Returned to compliance on 04/20/2018.
Violation Division:	Los Angeles City Fire Department
Violation Program:	UST
Violation Source:	CERS,
Site ID:	431462
Site Name:	The ROW
Violation Date:	02-24-2017
Citation:	23 CCR 16 2632(d)(1)(C), 2641(h), 2711(a)(8) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2632(d)(1)(C), 2641(h), 2711(a)(8)

ALAMEDA SQUARE OWNER LLC (Continued) **S118925915**

Violation Description:	Failure to submit or update a plot plan.
Violation Notes:	Returned to compliance on 04/20/2018. OBSERVATION: Owner/Operator did not submit, obtain approval, and maintain a complete/accurate plot plan. CORRECTIVE ACTION: Submit, obtain approval, and maintain a complete/accurate plot plan.
Violation Division:	Los Angeles City Fire Department
Violation Program:	UST
Violation Source:	CERS,
Site ID:	431462
Site Name:	The ROW
Violation Date:	03-07-2018
Citation:	23 CCR 16 2644.1(a)(4) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2644.1(a)(4)
Violation Description:	Failure to notify the UPA 48 hours prior to testing.
Violation Notes:	Returned to compliance on 04/20/2018.
Violation Division:	Los Angeles City Fire Department
Violation Program:	UST
Violation Source:	CERS,
Site ID:	431462
Site Name:	The ROW
Violation Date:	03-07-2018
Citation:	23 CCR 16 2636(f)(6) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2636(f)(6)
Violation Description:	Failure to meet one or more of the following requirements in lieu of a line leak detector (LLD) for emergency generator tank systems: Continuous monitoring system activates an audible and visual alarm. Monitoring system is checked daily. A log of daily checks is available for the UPA to review.
Violation Notes:	Returned to compliance on 04/20/2018.
Violation Division:	Los Angeles City Fire Department
Violation Program:	UST
Violation Source:	CERS,
Site ID:	431462
Site Name:	The ROW
Violation Date:	04-09-2018
Citation:	23 CCR 16 2715(c) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2715(c)
Violation Description:	Failure to comply with one or more of the following designated operator (DO) monthly inspection requirements: Be performed by an ICC certified DO. Inspect monthly alarm history report, check that alarms are documented and responded to appropriately, and attach a copy. Inspect for the presence of liquid/debris in spill containers. Inspect for the presence of liquid/debris in under dispenser containment (UDC) and ensure that the monitoring equipment is positioned correctly. Inspect for liquid or debris in containment sumps where an alarm occurred with no service visit. Check that all testing and maintenance has been completed and documented. Verify that all facility employees have been trained in accordance with 23 CCR 2715(f)(2).
Violation Notes:	Returned to compliance on 04/09/2018.
Violation Division:	Los Angeles City Fire Department
Violation Program:	UST
Violation Source:	CERS,
Site ID:	431462

ALAMEDA SQUARE OWNER LLC (Continued) **S118925915**

Site Name:	The ROW
Violation Date:	03-07-2018
Citation:	23 CCR 16 2712(i) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2712(i)
Violation Description:	Failure to submit a current UST Response Plan available on site.
Violation Notes:	Returned to compliance on 04/20/2018.
Violation Division:	Los Angeles City Fire Department
Violation Program:	UST
Violation Source:	CERS,
Site ID:	431462
Site Name:	The ROW
Violation Date:	03-07-2018
Citation:	HSC 6.7 25294 - California Health and Safety Code, Chapter 6.7, Section(s) 25294
Violation Description:	Failure to record any unauthorized release from the primary containment.
Violation Notes:	Returned to compliance on 04/20/2018.
Violation Division:	Los Angeles City Fire Department
Violation Program:	UST
Violation Source:	CERS,
Site ID:	431462
Site Name:	The ROW
Violation Date:	03-07-2018
Citation:	23 CCR 16 2644.1(a)(2) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2644.1(a)(2)
Violation Description:	Failure to demonstrate to the UPA that the equipment and methods used to monitor the UST system are certified by an independent third-party as complying with the standards set forth in 23 CCR 2643(f).
Violation Notes:	Returned to compliance on 04/20/2018.
Violation Division:	Los Angeles City Fire Department
Violation Program:	UST
Violation Source:	CERS,
Site ID:	431462
Site Name:	The ROW
Violation Date:	03-07-2018
Citation:	HSC 6.7 25290.1(j) - California Health and Safety Code, Chapter 6.7, Section(s) 25290.1(j)
Violation Description:	Failure to conduct enhanced leak detection (ELD) testing before the tank is placed into use.
Violation Notes:	Returned to compliance on 04/20/2018.
Violation Division:	Los Angeles City Fire Department
Violation Program:	UST
Violation Source:	CERS,
Site ID:	431462
Site Name:	The ROW
Violation Date:	03-07-2018
Citation:	23 CCR 16 2712(f) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2712(f)
Violation Description:	Failure to implement the corrections specified in the inspection report within 30 calendar days of receiving an inspection report from either the UPA or special inspector.
Violation Notes:	Returned to compliance on 04/20/2018.
Violation Division:	Los Angeles City Fire Department

ALAMEDA SQUARE OWNER LLC (Continued) **S118925915**

Violation Program:	UST
Violation Source:	CERS,
Site ID:	431462
Site Name:	The ROW
Violation Date:	02-12-2020
Citation:	23 CCR 16 2716(e) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2716(e)
Violation Description:	For designated operator (DO) monthly inspections conducted before October 1, 2018, failure to comply with one or more of the following requirements: Be performed by an ICC certified DO. Inspect monthly alarm history report, check that alarms are documented and responded to appropriately, and attach a copy. Inspect for the presence of liquid/debris in spill containers. Inspect for the presence of liquid/debris in under dispenser containment (UDC) and ensure that the monitoring equipment is positioned correctly. Inspect for liquid or debris in containment sumps where an alarm occurred with no service visit. Check that all testing and maintenance has been completed and documented. Verify that all facility employees have been trained in accordance with 23 CCR 2715(c). For designated operator (DO) 30 day inspections conducted on and after October 1, 2018, failure to conduct the designated UST operator visual inspection at least once every 30 days.
Violation Notes:	Returned to compliance on 04/24/2020. OBSERVATION: Facility did not comply with one or more of the following DO monthly inspection requirements: 12/9/2019, 10/9/2019, & 9/11/2019 the DO incorrectly marked N/A for the last 2 check boxes in Section VIII when there were alarms that were responded to by a UST service technician. Tank owner/operator and not the DO fills out Section V with responses to compliance issues in Section III. Missing work orders for work completed on 9/11/2019 & 1/9/2020. CORRECTIVE ACTION: Have DO marked YES in Section VIII for the last 2 check boxes for DO reports on 12/9/2019, 10/9/2019, 9/11/2019. Ensure the tank owner/operator is filling out Section V with response to Section III compliance issues. Locate missing work orders for work completed on 1/9/2020 & 9/11/2019 DO inspection reports and attach them to respective DO reports. Submit copy of compliant DO inspection record.
Violation Division:	Los Angeles City Fire Department
Violation Program:	UST
Violation Source:	CERS,
Site ID:	431462
Site Name:	The ROW
Violation Date:	03-07-2018
Citation:	23 CCR 16 2641(i) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2641(i)
Violation Description:	Failure to properly affix tag/sticker on monitoring equipment being certified, repaired, or replaced.
Violation Notes:	Returned to compliance on 04/20/2018.
Violation Division:	Los Angeles City Fire Department
Violation Program:	UST
Violation Source:	CERS,
Site ID:	431462
Site Name:	The ROW
Violation Date:	04-09-2018
Citation:	23 CCR 16 2715(e) - California Code of Regulations, Title 23, Chapter

ALAMEDA SQUARE OWNER LLC (Continued) **S118925915**

16, Section(s) 2715(e)
Violation Description: Failure to maintain a copy of the designated operator monthly inspections for the last 12 months on-site or off-site at a readily available location, if approved by the UPA.
Violation Notes: Returned to compliance on 04/09/2018.
Violation Division: Los Angeles City Fire Department
Violation Program: UST
Violation Source: CERS,

Site ID: 431462
Site Name: The ROW
Violation Date: 04-25-2019
Citation: 23 CCR 16 2716(e) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2716(e)
Violation Description: For designated operator (DO) monthly inspections conducted before October 1, 2018, failure to comply with one or more of the following requirements: Be performed by an ICC certified DO. Inspect monthly alarm history report, check that alarms are documented and responded to appropriately, and attach a copy. Inspect for the presence of liquid/debris in spill containers. Inspect for the presence of liquid/debris in under dispenser containment (UDC) and ensure that the monitoring equipment is positioned correctly. Inspect for liquid or debris in containment sumps where an alarm occurred with no service visit. Check that all testing and maintenance has been completed and documented. Verify that all facility employees have been trained in accordance with 23 CCR 2715(c). For designated operator (DO) 30 day inspections conducted on and after October 1, 2018, failure to conduct the designated UST operator visual inspection at least once every 30 days.
Violation Notes: Returned to compliance on 06/14/2019. OBSERVATION: Facility did not comply with one or more of the following DO monthly inspection requirements: 10/2018 - 2/2019 & 4/2019 Section VI not signed by Tank owner/operator. Tank owner/operator and not the DO fills out Section V with responses to compliance issues in Section III. Missing work orders for work completed on 10/2018-3/2019 DO inspection reports. CORRECTIVE ACTION: Ensure that DO is complying with all the requirements noted above. Submit copy of compliant DO inspection record. Have tank owner/operator sign DO reports from 10/2018 - 2/2019 & 4/2019 in Section VI. Ensure the tank owner/operator is filling out Section V with response to Section III compliance issues. Locate missing work orders for work completed on 10/2018-3/2019 DO inspection reports and attach them to respective DO reports.
Violation Division: Los Angeles City Fire Department
Violation Program: UST
Violation Source: CERS,

Site ID: 431462
Site Name: The ROW
Violation Date: 02-12-2020
Citation: HSC 6.75 25299.30-25299.34 - California Health and Safety Code, Chapter 6.75, Section(s) 25299.30-25299.34
Violation Description: Failure to submit and maintain complete and current Certification of Financial Responsibility or other mechanism of financial assurance.
Violation Notes: Returned to compliance on 03/25/2020. OBSERVATION: Current financial responsibility documents have not been submitted to the CUPA. Insurance policy on CERS and on site expired on 10/9/2019. CORRECTIVE ACTION: Complete and submit a copy of the current financial

ALAMEDA SQUARE OWNER LLC (Continued) **S118925915**

responsibility to the CUPA and upload onto CERS by 3/13/2020.
Violation Division: Los Angeles City Fire Department
Violation Program: UST
Violation Source: CERS,

Site ID: 431462
Site Name: The ROW
Violation Date: 04-09-2018
Citation: 23 CCR 16 2715(i) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2715(i)
Violation Description: Failure to have a properly qualified service technician test leak detection equipment as required every 12 months (vapor, pressure, hydrostatic (VPH) system, sensors, line-leak detectors (LLD), automatic tank gauge (ATG), etc.).
Violation Notes: Returned to compliance on 04/09/2018.
Violation Division: Los Angeles City Fire Department
Violation Program: UST
Violation Source: CERS,

Site ID: 431462
Site Name: The ROW
Violation Date: 02-24-2017
Citation: 23 CCR 16 2712(i) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2712(i)
Violation Description: Failure to have a UST Response Plan available on site.
Violation Notes: Returned to compliance on 04/20/2018. OBSERVATION: Owner/Operator did not submit and/or maintain an approved response plan. CORRECTIVE ACTION: Submit and maintain an approved response plan.
Violation Division: Los Angeles City Fire Department
Violation Program: UST
Violation Source: CERS,

Site ID: 431462
Site Name: The ROW
Violation Date: 02-11-2021
Citation: 23 CCR 16 2715(a)(1)(B) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2715(a)(1)(B)
Violation Description: Failure to submit the Designated Underground Storage Tank Operator Identification Form within 30 days of installing a UST system or within 30 days of a change in DO.
Violation Notes: Returned to compliance on 02/19/2021. OBSERVATION: Owner/Operator did not submit the Designated Underground Storage Tank Operator Identification Form to the UPA within 30 days of obtaining or changing the DO. DO Frank Chamberlain's ICC number is incorrect. CORRECTIVE ACTION: Submit Designated Underground Storage Tank Operator Identification Form to the UPA within 30 days of a change. Frank Chamberlain's current ICC # is 8718278. Current copy is on site, upload that copy to CERS.
Violation Division: Los Angeles City Fire Department
Violation Program: UST
Violation Source: CERS,

Site ID: 431462
Site Name: The ROW
Violation Date: 03-07-2018
Citation: HSC 6.7 Multiple - California Health and Safety Code, Chapter 6.7, Section(s) Multiple

ALAMEDA SQUARE OWNER LLC (Continued) **S118925915**

Violation Description:	UST Program -General - Must include violation description, proper statute and regulation citation in the "comment" section.
Violation Notes:	Returned to compliance on 04/20/2018.
Violation Division:	Los Angeles City Fire Department
Violation Program:	UST
Violation Source:	CERS,
Site ID:	431462
Site Name:	The ROW
Violation Date:	03-07-2018
Citation:	HSC 6.7 25291(b) - California Health and Safety Code, Chapter 6.7, Section(s) 25291(b)
Violation Description:	Failure of the UST system to be designed and constructed with a monitoring system capable of detecting the entry of the hazardous substance into the secondary containment.
Violation Notes:	Returned to compliance on 04/20/2018.
Violation Division:	Los Angeles City Fire Department
Violation Program:	UST
Violation Source:	CERS,
Site ID:	431462
Site Name:	The ROW
Violation Date:	02-14-2022
Citation:	23 CCR 16 2715(c)(4) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2715(c)(4)
Violation Description:	Failure to maintain a list of employees trained by the designated operator on-site or off-site at a readily available location, if approved by the UPA. For training that occurs on or after October 1, 2018, failure to maintain a copy of the "Facility Employee Training Certificate" on-site or off-site at a readily available location, if approved by the UPA.
Violation Notes:	Returned to compliance on 04/15/2022. OBSERVATION: "Facility Employee Training Certificate" was not completed correctly by the DO. DO listed initial training date as the same date of the training completed for the year or is not listing date assuming responsibility. CORRECTIVE ACTION: Have DO correct the initial training date to the date in which the employee was first trained. The only date that should change is the one on the bottom.
Violation Division:	Los Angeles City Fire Department
Violation Program:	UST
Violation Source:	CERS,
Site ID:	431462
Site Name:	The ROW
Violation Date:	03-07-2018
Citation:	HSC 6.7 25291(a)(1) - California Health and Safety Code, Chapter 6.7, Section(s) 25291(a)(1)
Violation Description:	Failure to construct, operate, and maintain primary containment as product-tight.
Violation Notes:	Returned to compliance on 04/20/2018.
Violation Division:	Los Angeles City Fire Department
Violation Program:	UST
Violation Source:	CERS,
Site ID:	431462
Site Name:	The ROW
Violation Date:	03-07-2018

ALAMEDA SQUARE OWNER LLC (Continued) **S118925915**

Citation:	23 CCR 16 2631(d) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2631(d)
Violation Description:	Failure of primary or integral secondary containment to be approved for use by an independent testing organization or failure of non integral secondary containment to be designed and constructed to an engineering specification approved by a registered professional engineer or in accordance with a nationally recognized industry code or engineering standard.
Violation Notes:	Returned to compliance on 04/20/2018.
Violation Division:	Los Angeles City Fire Department
Violation Program:	UST
Violation Source:	CERS,
Site ID:	431462
Site Name:	The ROW
Violation Date:	04-25-2019
Citation:	23 CCR 16 2641(h) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2641(h)
Violation Description:	Failure to have an approved UST Monitoring Plan.
Violation Notes:	Returned to compliance on 04/30/2019. OBSERVATION: Owner/Operator did not maintain a current monitoring plan. In Tank Monitoring under LEAK SENSOR MANUFACTURER for T1 it states "794380-303". CORRECTIVE ACTION: In Tank Monitoring under LEAK SENSOR MANUFACTURER for T1 it states should state "VEEDER ROOT". OBSERVATION: Owner/Operator did not maintain a current monitoring plan. In Tank Monitoring under MODEL SENSOR Number for T1 it states "HYDROSTATIC". CORRECTIVE ACTION: In tank monitoring under MODEL SENSOR number for all tanks it should state "794380-303". OBSERVATION: Owner/Operator did not maintain a current monitoring plan. Under ATG results for T1 states "YES". CORRECTIVE ACTION: This tests is not completed it should state "NO". Confirmed on site this test is disabled. This is not for ATG used for inventory purposes. OBSERVATION: Owner/Operator did not maintain a current monitoring plan. In Pipe Monitoring Under PIPING SECONDARY CONTAINMENT for T1 it states "DRY". CORRECTIVE ACTION: In Pipe [Truncated]
Violation Division:	Los Angeles City Fire Department
Violation Program:	UST
Violation Source:	CERS,
Site ID:	431462
Site Name:	The ROW
Violation Date:	03-07-2018
Citation:	23 CCR 16 2712(b) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2712(b)
Violation Description:	Failure to maintain records of repairs, lining, and upgrades on site, or off site if approved by the UPA, for the life of the UST.
Violation Notes:	Returned to compliance on 04/20/2018.
Violation Division:	Los Angeles City Fire Department
Violation Program:	UST
Violation Source:	CERS,
Site ID:	431462
Site Name:	The ROW
Violation Date:	03-07-2018
Citation:	HSC 6.7 25292.1(a) - California Health and Safety Code, Chapter 6.7, Section(s) 25292.1(a)
Violation Description:	Failure to operate the UST system to prevent unauthorized releases

ALAMEDA SQUARE OWNER LLC (Continued) **S118925915**

	including leaks, spills, and/or overfills.
Violation Notes:	Returned to compliance on 04/20/2018.
Violation Division:	Los Angeles City Fire Department
Violation Program:	UST
Violation Source:	CERS,
Site ID:	431462
Site Name:	The ROW
Violation Date:	03-07-2018
Citation:	23 CCR 16 2715(c) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2715(c)
Violation Description:	Failure to comply with one or more of the following designated operator (DO) monthly inspection requirements: Be performed by an ICC certified DO. Inspect monthly alarm history report, check that alarms are documented and responded to appropriately, and attach a copy. Inspect for the presence of liquid/debris in spill containers. Inspect for the presence of liquid/debris in under dispenser containment (UDC) and ensure that the monitoring equipment is positioned correctly. Inspect for liquid or debris in containment sumps where an alarm occurred with no service visit. Check that all testing and maintenance has been completed and documented. Verify that all facility employees have been trained in accordance with 23 CCR 2715(f)(2).
Violation Notes:	Returned to compliance on 04/20/2018.
Violation Division:	Los Angeles City Fire Department
Violation Program:	UST
Violation Source:	CERS,
Site ID:	431462
Site Name:	The ROW
Violation Date:	03-07-2018
Citation:	23 CCR 16 2638(d) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2638(d)
Violation Description:	Failure to submit the Annual Monitoring System Certification Form to the UPA within 30 days of completion of the test.
Violation Notes:	Returned to compliance on 04/20/2018.
Violation Division:	Los Angeles City Fire Department
Violation Program:	UST
Violation Source:	CERS,
Site ID:	431462
Site Name:	The ROW
Violation Date:	03-07-2018
Citation:	HSC 6.7 25290.1(d) - California Health and Safety Code, Chapter 6.7, Section(s) 25290.1(d)
Violation Description:	Failure of a UST system installed on or after July 1, 2004 to be designed and constructed with a monitoring system capable of detecting the entry of the liquid or vapor-phase of the hazardous substance stored in the primary containment into the secondary containment and capable of detecting water intrusion into the secondary containment.
Violation Notes:	Returned to compliance on 04/20/2018.
Violation Division:	Los Angeles City Fire Department
Violation Program:	UST
Violation Source:	CERS,
Site ID:	431462
Site Name:	The ROW
Violation Date:	03-07-2018

ALAMEDA SQUARE OWNER LLC (Continued) **S118925915**

Citation:	23 CCR 16 2712(b) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2712(b)
Violation Description:	Failure to comply with one or more of the following corrosion protection record retention requirements: Maintain records of cathodic protection systems testing within six months of installation and at least every three years thereafter. Maintain records for the 60 calendar day inspection of the impressed-current system. Maintain records for sacrificial anodes testing every three years. Have written monitoring and maintenance records on-site or off-site at a readily available location if approved by the UPA.
Violation Notes:	Returned to compliance on 04/20/2018.
Violation Division:	Los Angeles City Fire Department
Violation Program:	UST
Violation Source:	CERS,
Site ID:	431462
Site Name:	The ROW
Violation Date:	03-07-2018
Citation:	23 CCR 16 2665 - California Code of Regulations, Title 23, Chapter 16, Section(s) 2665
Violation Description:	Failure to comply with one or more of the following: Failure to install or maintain a liquid-tight spill bucket. Have a minimum capacity of five gallons. Have a functional drain valve or other method for the removal of liquid from the spill bucket/spill container. Be resistant to galvanic corrosion.
Violation Notes:	Returned to compliance on 04/20/2018.
Violation Division:	Los Angeles City Fire Department
Violation Program:	UST
Violation Source:	CERS,
Site ID:	431462
Site Name:	The ROW
Violation Date:	03-07-2018
Citation:	23 CCR 16 2715(e) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2715(e)
Violation Description:	Failure to maintain a copy of the designated operator monthly inspections for the last 12 months on-site or off-site at a readily available location, if approved by the UPA.
Violation Notes:	Returned to compliance on 04/20/2018.
Violation Division:	Los Angeles City Fire Department
Violation Program:	UST
Violation Source:	CERS,
Site ID:	431462
Site Name:	The ROW
Violation Date:	08-12-2019
Citation:	HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description:	Failure to establish and electronically submit an adequate emergency response plan and procedures for a release or threatened release of a hazardous material.
Violation Notes:	Returned to compliance on 08/12/2019. OBSERVATION: The business failed to submit adequate emergency response procedures for a release or threatened release of a hazardous material. Local CUPA phone # is incorrect and there is no local Water Board phone #. CORRECTED ON SITE: Local CUPA phone number should be (213) 978-3680. Regional Water Board phone # is (213) 576-6600.

ALAMEDA SQUARE OWNER LLC (Continued) **S118925915**

Violation Division: Los Angeles City Fire Department
Violation Program: HMRRP
Violation Source: CERS,

Site ID: 431462
Site Name: The ROW
Violation Date: 03-07-2018
Citation: 23 CCR 16 2663(h) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2663(h)
Violation Description: Failure to inspect a steel tank which has been lined or repaired using the interior lining method within 10 years of lining and every 5 years after.
Violation Notes: Returned to compliance on 04/20/2018.
Violation Division: Los Angeles City Fire Department
Violation Program: UST
Violation Source: CERS,

Site ID: 431462
Site Name: The ROW
Violation Date: 04-25-2019
Citation: HSC 6.7 25284, 25286 - California Health and Safety Code, Chapter 6.7, Section(s) 25284, 25286
Violation Description: Failure to submit a complete and accurate application for a permit to operate a UST, or for renewal of the permit.
Violation Notes: Returned to compliance on 04/30/2019. OBSERVATION: Facility does not have an approved operating permit application. In Product/waste piping construction under PRIMARY containment for T1 it states "STEEL". CORRECTIVE ACTION: In Product/waste piping construction under PRIMARY containment for T1 it should state "FIBERGLASS". OBSERVATION: Facility does not have an approved operating permit application. In Vent, Vapor Recovery (VR) and Riser / Fill Pipe Piping Construction under VENT PIPING TRANSITION SUMP for T1 it states "NONE". CORRECTIVE ACTION: In Vent, Vapor Recovery (VR) and Riser / Fill Pipe Piping Construction under VENT PIPING TRANSITION SUMP for T1 it should state "DOUBLE-WALLED . OBSERVATION: Facility does not have an approved operating permit application. In Corrosion Protection under ISOLATION for T1 it states "NO ". CORRECTIVE ACTION: In Corrosion Protection under ISOLATION for T1 it should state "YES ".
Violation Division: Los Angeles City Fire Department
Violation Program: UST
Violation Source: CERS,

Evaluation:
Eval General Type: Other/Unknown
Eval Date: 12-03-2021
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: 767 S Alameda St NOV follow up for facility at 767 S Alameda St. Facility made all corrections to the DO reports.
Eval Division: Los Angeles City Fire Department
Eval Program: UST
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 04-28-2020
Violations Found: No
Eval Type: Other, not routine, done by local agency

ALAMEDA SQUARE OWNER LLC (Continued) **S118925915**

Eval Notes: 767 S Alameda St NOV follow up for facility at 767 S Alameda St. Building engineer sent in copies of the corrected DO reports. Inspector Young emailed Israel Rodriguez to let him know of the clearing of all violations.
Eval Division: Los Angeles City Fire Department
Eval Program: UST
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 06-14-2022
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: 767 S Alameda St NOV follow up for facility at 767 S Alameda St. Inspector Young reviewed the facility's latest CERs hazmat submittal and facility made all necessary corrections to the hazmat inventory Fed categories, site map, and added nearest medical facility. All NOV's were cleared to the date of the CERS submittal and facility was emailed notifying all NOV's were cleared.
Eval Division: Los Angeles City Fire Department
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 07-15-2021
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: 767 S ALAMEDA ST REVIEWED RECEIVED RESULTS FOR OVERFILL PREVENTION RESULTS FOR TESTING CONDUCTED ON 2/11/2021 BY OSCAR CERVANTES WITH JDS TANK TESTING. CONFIRMED RESULTS WERE RECEIVED, SCANNED/DOWNLOADED AND ATTACHED IN ENVISION. NO FAILURES NOTED ON REPORT.
Eval Division: Los Angeles City Fire Department
Eval Program: UST
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 08-12-2019
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Consent to enter, inspect and take photographs was given by: Israel Rodriguez, Chief Engineer. The Business Activities, Owner/Operator Identification, Hazardous Materials Inventory, Site Map, Emergency Response/Contingency Plan and Employee Training Plan sections were reviewed in CERS and field verified. Review and correct any violations indicated previously in this report, on or before the COMPLY BY date associated with each violation. New user instructions are provided below. NOTE: The LAMC, Sections (L.A.M.C. SECTIONS 57.105.1.4; 57.120.3; 57.121.2 and 57.121.2.1.) requires businesses that store, use or handle hazardous materials in the City of Los Angeles to obtain a Consolidated Permit from the Los Angeles Fire Department CUPA **** Annual submission of a Hazardous Materials Business Plan into CERS is required between January 1 and March 1 of every year. Please remember that any change in inventory of greater than 100 percent will require new submission 30 [Truncated]
Eval Division: Los Angeles City Fire Department
Eval Program: HMRRP
Eval Source: CERS,

ALAMEDA SQUARE OWNER LLC (Continued) **S118925915**

Eval General Type: Compliance Evaluation Inspection
Eval Date: 02-11-2021
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: LAFD Inspector Christopher Young on site 2/11/2021 to conduct routine inspection of underground storage tank facility. Monitoring System components were observed and verified this date. Consent to enter, inspect and take photographs was given on this date by Israel Rodriguez, Chief Engineer. Monitoring system certification was at this time. Monitoring certification was performed by Oscar Cervantes with JDS Tank Testing. Monitoring System components were observed and verified on this date. Tester provided the following certifications: Oscar Cervantes ICC: 8222258 Exp: 10/3/2021 VR: #B40551 Exp: 10/9/2021 VMI: #3746 Exp: 11/16/2021 The UST monitoring panel all functions normal. Current monitoring setup and alarm history WERE available for review. The sumps WERE available for inspection and the sensors WERE observed positioned to detect a leak at the earliest opportunity. The spill buckets WERE also visually inspected. The Monitoring Plan WAS compared to the [Truncated]
Eval Division: Los Angeles City Fire Department
Eval Program: UST
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 02-12-2020
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: LAFD Inspector Christopher Young on site 2/12/2020 to conduct routine inspection of underground storage tank facility. Monitoring System components were observed and verified this date. Consent to enter, inspect and take photographs was given on this date by Israel Rodriguez, Chief Engineer. Monitoring system certification was at this time. Monitoring certification was performed by Oscar Cervantes with JDS Tank Testing. Monitoring System components were observed and verified on this date. Tester provided the following certifications: Oscar Cervantes ICC: 8222258 Exp: 10/3/2021 VR: #B40551 Exp: 10/9/2021 VMI: #3746 Exp: 11/16/2021 The UST monitoring panel all functions normal. Current monitoring setup and alarm history WERE available for review. The sumps WERE available for inspection and the sensors WERE observed positioned to detect a leak at the earliest opportunity. The spill buckets WERE also visually inspected. The Monitoring Plan WAS compared to [Truncated]
Eval Division: Los Angeles City Fire Department
Eval Program: UST
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 02-15-2022
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: 767 S Alameda St Continuation of facility inspection for facility at 767 S Alameda St. Inspector Young continued to work on the facility inspection report for this facility due to not being able to complete it the day before due to 2 monitor cert, a HMBP inspection, and a D5 inspection.
Eval Division: Los Angeles City Fire Department
Eval Program: UST

ALAMEDA SQUARE OWNER LLC (Continued) **S118925915**

Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 04-09-2020
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: 767 S ALAMEDA ST REVIEWED RECEIVED RESULTS FOR MONITOR CERT AND SPILL BUCKET TESTING CONDUCTED ON 2/12/2020 BY OSCAR CERVANTES WITH JDS TANK TESTING. CONFIRMED RESULTS WERE RECEIVED, SCANNED/DOWNLOADED AND ATTACHED IN ENVISION. NO FAILURES NOTED ON REPORT.
Eval Division: Los Angeles City Fire Department
Eval Program: UST
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 04-15-2022
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: 767 S Alameda St NOV follow up for facility at 767 S Alameda St. Inspector Young reviewed email sent in by the facility's DO.
Eval Division: Los Angeles City Fire Department
Eval Program: UST
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 04-16-2021
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: 767 S ALAMEDA ST REVIEWED RECEIVED RESULTS FOR ANNUAL MONITORING SYSTEM CERTIFICATION & SPILL BUCKET TESTING CONDUCTED ON 2/11/2021 BY OSCAR CERVANTES WITH JDS TANK TESTING. CONFIRMED RESULTS WERE RECEIVED, SCANNED/DOWNLOADED AND ATTACHED IN ENVISION. NO FAILURES NOTED ON REPORT.
Eval Division: Los Angeles City Fire Department
Eval Program: UST
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 04-25-2019
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: LAFD Inspector Christopher Young on site 4/25/2019 to conduct routine inspection of underground storage tank facility. Monitoring System components were observed and verified this date. Consent to enter, inspect and take photographs was given on this date by Israel Rodriguez, Chief Engineer. Monitoring system certification was not conducted at this time. Monitoring certification and overfill protection were performed on 4/24/2019 by Djerl Shultz WITH JDS Tank Testing. Monitoring System components were observed and verified on this date. Tester provided the following certifications: Djerl Shultz ICC: 8020127 Exp: 6/13/2019 VR: #B36436 Exp: 4/6/2020 VMI: 3041 EXP: 8/5/2020 The UST monitoring panel all functions normal. Current monitoring setup and alarm history WERE available for review. The sumps WERE available for inspection and the sensors WERE observed positioned to detect a leak at the earliest opportunity. The spill buckets WERE also visually inspected. [Truncated]
Eval Division: Los Angeles City Fire Department

ALAMEDA SQUARE OWNER LLC (Continued) **S118925915**

Eval Program: UST
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 09-18-2019
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: 767 S ALAMEDA ST REVIEWED RECEIVED OVERFILL PREVENTION RESULTS FOR TESTING CONDUCTED ON 4/24/2019 BY DJERL SHULTZ WITH JDS TANK TESTING. CONFIRMED RESULTS WERE RECEIVED, SCANNED/DOWNLOADED AND ATTACHED IN ENVISION. NO FAILURES NOTED ON REPORT. REVIEWED CERS TO CONFIRM OVERFILL PROTECTION LISTED.
Eval Division: Los Angeles City Fire Department
Eval Program: UST
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 09-19-2019
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: 767 S Alameda St Violations were cleared on 8/12/2019 but did not clear properly. This entry is to ensure the violations are cleared.
Eval Division: Los Angeles City Fire Department
Eval Program: UST
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 09-26-2019
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: 767 S ALAMEDA ST REVIEWED RECEIVED ANNUAL MONITORING SYSTEM CERTIFICATION & SPILL BUCKET RESULTS FOR TESTING CONDUCTED ON 4/24/2019 BY DJERL SHUTLZ WITH JDS. CONFIRMED RESULTS RECEIVED, SCANNED/DOWNLOADED AND ATTACHED IN ENVISION. NO FAILURES NOTED ON REPORT.
Eval Division: Los Angeles City Fire Department
Eval Program: UST
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 02-24-2017
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Fire Inspector Bernard Sanchez of LAFD, onsite to conduct routine inspection of underground storage tank. Consent to enter, inspect and take photographs was given on 2/24/2017 by Dennis Barnes Superintendent (Dac, inc) Monitoring system certification was conducted at this time. Monitoring certification was performed by Patrick Sharp Fuel Pros Tester provided the following certifications: ICC Tech 8162495 12/06/2018 ,veeder-root 6/28/2017 The UST monitoring panel showed all functions normal. The monitoring set up and alarm history were provided for review. The sumps and UDCs were opened for inspection and the sensors were observed positioned to detect a leak at the earliest opportunity. The spill buckets were also visually inspected. The Monitoring Plan was compared to the equipment onsite. The operation of the UST system was compared to the conditions of the operating permit. Ensure submittal of monitor certification test

ALAMEDA SQUARE OWNER LLC (Continued) **S118925915**

results within 30 days using [Truncated]
Eval Division: Los Angeles City Fire Department
Eval Program: UST
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 03-25-2020
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: 767 S Alameda St NOV follow up for facility at 767 S Alameda St. Inspector Young reviewed the facility's most recent CERS UST submittal. The facility uploaded a current copy of their certificate of financial responsibility on CERS. Inspector Young emailed Israel Rodriguez and Jerry Rodriguez to let them know of the clearing of that violation and that the DO reports violation was still open.
Eval Division: Los Angeles City Fire Department
Eval Program: UST
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 04-09-2018
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Inspector Craig LAFD, on site this date to conduct routine inspection of underground storage tank. Consent to enter, inspect and take photographs was given on this date by Andrea Ramella Monitoring system certification was conducted at this time. Monitoring certification was performed by Oscar Cervantes of JDS Tank Testing ICC: 8222258 EXP: 09-30-2019 VR: B40551 EXP: 09-16-19. VMI: 3746 EXP:08-11-19. Incon: #9046163705 exp: 11/23/2017 PNEUMERCATOR: 11105 EXP: 06-03-18 The UST monitoring panel showed all functions normal. The monitoring set up and alarm history were provided for review. The sumps and UDCs were opened for inspection and the sensors were observed positioned to detect a leak at the earliest opportunity. The spill buckets were also visually inspected. The Monitoring Plan was compared to the equipment onsite. The operation of the UST system was compared to the conditions of the operating permit. Property Owner: Alameda Square Owner LLC c/o [Truncated]
Eval Division: Los Angeles City Fire Department
Eval Program: UST
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 04-26-2018
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: CERS Review and client communication
Eval Division: Los Angeles City Fire Department
Eval Program: UST
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 06-13-2022
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: 767 S ALAMEDA ST REVIEWED RECEIVED RESULTS FOR ANNUAL MONITORING SYSTEM CERTIFICATION & SPILL BUCKET TESTING CONDUCTED ON 2/14/2022 BY

ALAMEDA SQUARE OWNER LLC (Continued) **S118925915**

OSCAR CERVANTES WITH JDS TANK TESTING. CONFIRMED RESULTS WERE RECEIVED, SCANNED/DOWNLOADED AND ATTACHED IN ENVISION. NO FAILURES NOTED ON REPORT.

Eval Division: Los Angeles City Fire Department
Eval Program: UST
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 06-14-2019
Violations Found: Yes
Eval Type: Other, not routine, done by local agency
Eval Notes: 767 S Alameda St Facility has not complied with the above written violation within the 30 days. This violation has been upgraded to a CLASS II violation. Facility has 30 days to comply with the violation or this violation will be upgraded to a CLASS I which will be forwarded to my Legal unit for fine and penalty assessment. Violators can be liable for civil penalties up to $5,000 dollars per day, for each violation. HSC 25299, HSC 25270.12. REPORT IS EMAILED TO irodiguez@atlas-cap.com. **********SECOND NOTICE**********

Eval Division: Los Angeles City Fire Department
Eval Program: UST
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 07-23-2019
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: 767 S Alameda St NOV follow up for facility at 767 S Alameda St. Inspector Young was on site to look through the facility's binder and observed needed changes to DO reports. The binder is still missing 2017 Monitor Cert results and a copy of the monitoring plan. Building Eng stated he would talk to the DO to resolve those issues.

Eval Division: Los Angeles City Fire Department
Eval Program: UST
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 08-12-2019
Violations Found: Yes
Eval Type: Other, not routine, done by local agency
Eval Notes: Facility was given a Notice of violation for late testing that was not determined during monitor certification testing due to no 2017 testing results found on site. Notice of violation was corrected on site due to testing already had been completed. OBSERVATION: Annual monitoring system certification and/or leak detector testing, were last performed on 2/24/2017 by Fuel Pros and was completed on 4/25/2019, 2 months past due. These tests are required once every 12 months. CORRECTED ON SITE: Immediately schedule these tests and provide 48 hours notification to the CUPA. Testing was completed on 4/25/2019 done by JDS Testing. As discussed on site any future late testing will be considered a Class I violation and subject to fine assessment.

Eval Division: Los Angeles City Fire Department
Eval Program: UST
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 02-14-2022

ALAMEDA SQUARE OWNER LLC (Continued) **S118925915**

Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Consent to enter, inspect and take photographs was given by: Israel Rodriguez, Building Engineer The Business Activities, Owner/Operator Identification, Hazardous Materials Inventory, Site Map, Emergency Response/Contingency Plan and Employee Training Plan sections were reviewed in CERS and field verified. Review and correct any violations indicated previously in this report, on or before the COMPLY BY date associated with each violation. New user instructions are provided below. NOTE: The LAMC, Sections (L.A.M.C. SECTIONS 57.105.1.4; 57.120.3; 57.121.2 and 57.121.2.1.) requires businesses that store, use or handle hazardous materials in the City of Los Angeles to obtain a Consolidated Permit from the Los Angeles Fire Department CUPA**** Annual submission of a Hazardous Materials Business Plan into CERS is required between January 1 and March 1 of every year. Please remember that any change in inventory of greater than 100 percent will require new submission 30 [Truncated]
Eval Division: Los Angeles City Fire Department
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 02-14-2022
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: LAFD Inspector Christopher Young on site 2/14/2022 to conduct routine inspection of underground storage tank facility. Monitoring System components were observed and verified this date. Consent to enter, inspect and take photographs was given on this date by Israel Rodriguez, Chief Engineer. Monitoring system certification was at this time. Monitoring certification was performed by Oscar Cervantes with JDS Tank Testing. Monitoring System components were observed and verified on this date. Tester provided the following certifications: Oscar Cervantes ICC: 8222258 Exp: 9/18/2023 VR: #B40551 Exp: 8/28/2023 The UST monitoring panel all functions normal. Current monitoring setup and alarm history WERE available for review. The sumps WERE available for inspection and the sensors WERE observed positioned to detect a leak at the earliest opportunity. The spill bucket WAS also visually inspected. The Monitoring Plan WAS compared to the equipment on site. The operation [Truncated]
Eval Division: Los Angeles City Fire Department
Eval Program: UST
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 03-07-2018
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Met with site contact Andrea Ramella aramella@atlas-cap.com Phone calls and emails with frances.nickel@fuelpros.net Site is missing many required compliance items, site will receive information and violations and has 30 days to come to full compliance. Inspector Craig LAFD, on site this date to conduct routine inspection of underground storage tank. Consent to enter, inspect and take photographs was given on this date by Andrea Ramella Monitoring system certification was not conducted at this time. Monitoring certification was performed by (Insert testers name and testing company). NOT DONE Tester provided

ALAMEDA SQUARE OWNER LLC (Continued) **S118925915**

the following certifications: ICC: Veeder-Root: VMI: Other: The UST monitoring panel showed all functions normal. The monitoring set up and alarm history were provided for review. The sumps and UDCs were opened for inspection and the sensors were observed positioned to detect a leak at the earliest opportunity. The spill buckets were also [Truncated]

Eval Division: Los Angeles City Fire Department
Eval Program: UST
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 04-14-2020
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: 767 S Alameda St NOV follow up for facility at 767 S Alameda St. Facility sent in copies of the missing work orders, however the facility did not send in copies of the corrected DO reports which include Section VI and VIII changes.

Eval Division: Los Angeles City Fire Department
Eval Program: UST
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 04-30-2019
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: 767 S Alameda St NOV follow up for facility at 767 S Alameda St. Facility updated their tank information and monitoring plan to needs changes to reflect what is on site. Inspector Young emailed irodiguez@atlas-cap.com to let him know of the clearing of the CERS violatons.

Eval Division: Los Angeles City Fire Department
Eval Program: UST
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 05-07-2021
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: 767 S Alameda St NOV follow up for facility at 767 S Alameda St. Inspector Young reviewed the facility's latest CERS UST submittal. Facility updated their monitoring plan and DO list. Inspector Young emailed DO Jerry Rodriguez to let him know of the clearing of the CERS violations and that the other for the DO report was still open. Violations were posted dated to when CERS was submitted.

Eval Division: Los Angeles City Fire Department
Eval Program: UST
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 05-07-2021
Violations Found: Yes
Eval Type: Other, not routine, done by local agency
Eval Notes: 767 S Alameda St Facility has not complied with the above written violation within the 30 days. This violation has been upgraded to a CLASS II violation. Facility has 30 days to comply with the violation or this violation will be upgraded to a CLASS I which will be

ALAMEDA SQUARE OWNER LLC (Continued) **S118925915**

forwarded to my Legal unit for fine and penalty assessment. Violators can be liable for civil penalties up to $5,000 dollars per day, for each violation. HSC 25299, HSC 25270.12. Report emailed to Israel Rodriguez irodriguez@atlas-cap.com. **********SECOND NOTICE**********

Eval Division: Los Angeles City Fire Department
Eval Program: UST
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 08-12-2019
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: 767 S Alameda St NOV follow up for facility at 767 S Alameda St. Facility located their 2017 monitor certification tests results and printed a copy of the monitoring plan and placed in the binder on site. Inspector Young talked to Israel Rodriguez on site to let him know of the clearing of the violations.

Eval Division: Los Angeles City Fire Department
Eval Program: UST
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 09-26-2019
Violations Found: Yes
Eval Type: Other, not routine, done by local agency
Eval Notes: 767 S Alameda St Notice of violation for sending testing results late. Corrected on site, the tester Drjel Shultz from JDS Tank Testing sent in the test results.

Eval Division: Los Angeles City Fire Department
Eval Program: UST
Eval Source: CERS,

Coordinates:
Site ID: 431462
Facility Name: The ROW
Env Int Type Code: HMBP
Program ID: 10752460
Coord Name: Not reported
Ref Point Type Desc: Center of a facility or station.,
Latitude: 34.031520
Longitude: -118.238890

Affiliation:
Affiliation Type Desc: Document Preparer
Entity Name: Isreal Rodriguez
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: .

Affiliation Type Desc: Facility Mailing Address
Entity Name: Mailing Address
Entity Title: Not reported

ALAMEDA SQUARE OWNER LLC (Continued) **S118925915**

Affiliation Address:	1318 E 7th St Suite 200
Affiliation City:	Los Angeles
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	90021
Affiliation Phone:	.
Affiliation Type Desc:	Identification Signer
Entity Name:	Amir Munoz
Entity Title:	Administrator
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	.
Affiliation Type Desc:	Parent Corporation
Entity Name:	Alameda Square Owner LLC c/o Atlas Capital Group
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	.
Affiliation Type Desc:	UST Tank Operator
Entity Name:	Alameda Square Owner LLC c/o Atlas
Entity Title:	Not reported
Affiliation Address:	1318 E 7th St Suite 200
Affiliation City:	Los Angeles
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	90021
Affiliation Phone:	(213) 988-8890,
Affiliation Type Desc:	UST Tank Owner
Entity Name:	Alameda Square Owner, LLC
Entity Title:	Not reported
Affiliation Address:	1318 E 7th St Suite 200
Affiliation City:	Los Angeles
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	90021
Affiliation Phone:	(213) 988-8890,
Affiliation Type Desc:	CUPA District
Entity Name:	Los Angeles City Fire Department
Entity Title:	Not reported
Affiliation Address:	200 North Main Street, Room 1780
Affiliation City:	Los Angeles
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	90012
Affiliation Phone:	(213) 978-3680,

ALAMEDA SQUARE OWNER LLC (Continued) **S118925915**

Affiliation Type Desc:	Environmental Contact
Entity Name:	Amir Munoz
Entity Title:	Not reported
Affiliation Address:	1318 E 7th St Suite 200
Affiliation City:	Los Angeles
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	90021
Affiliation Phone:	.

Affiliation Type Desc:	Legal Owner
Entity Name:	Alameda Square Owner LLC
Entity Title:	Not reported
Affiliation Address:	1318 E 7th St Suite 200
Affiliation City:	Los Angeles
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	90021
Affiliation Phone:	(949) 400-2293,

Affiliation Type Desc:	Property Owner
Entity Name:	Alameda Square Owner LLC
Entity Title:	Not reported
Affiliation Address:	1318 E 7th St Suite 200
Affiliation City:	Los Angeles
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	90021
Affiliation Phone:	(949) 400-2293,

Affiliation Type Desc:	UST Property Owner Name
Entity Name:	Alameda Square Owner, LLC c/o Atlas
Entity Title:	Not reported
Affiliation Address:	1318 E 7th St Suite 200
Affiliation City:	LOS ANGELES
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	90021
Affiliation Phone:	(213) 988-8890,

Affiliation Type Desc:	Operator
Entity Name:	Alameda Square Owner LLC c/o Atlas Capital Group
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	(213) 457-7239,

HWTS:

Name:	ALAMEDA SQUARE OWNER LLC
Address:	767 S ALAMEDA ST
Address 2:	Not reported
City,State,Zip:	LOS ANGELES, CA 90021
EPA ID:	CAC002825366

ALAMEDA SQUARE OWNER LLC (Continued) **S118925915**

Inactive Date:	11/10/2015
Create Date:	08/10/2015
Last Act Date:	Not reported
Mailing Name:	Not reported
Mailing Address:	505 5TH AVE
Mailing Address 2:	Not reported
Mailing City,State,Zip:	NEW YORK, NY 100174917
Owner Name:	ALAMEDA SQUARE OWNER LLC
Owner Address:	505 5TH AVE
Owner Address 2:	Not reported
Owner City,State,Zip:	NEW YORK, NY 100174917
Contact Name:	SCOTT DENHAM
Contact Address:	505 5TH AVE
Contact Address 2:	Not reported
City,State,Zip:	NEW YORK, NY 100174917
Facility Status:	Inactive
Facility Type:	TEMPORARY
Category:	STATE
Latitude:	34.031178
Longitude:	-118.23892

NAICS:

EPA ID:	CAC002825366
Create Date:	2015-08-10 12:39:42.190
NAICS Code:	99999
NAICS Description:	Not Otherwise Specified
Issued EPA ID Date:	2015-08-10 12:39:42.20000
Inactive Date:	2015-11-10 03:00:20.54000
Facility Name:	ALAMEDA SQUARE OWNER LLC
Facility Address:	767 S ALAMEDA ST
Facility Address 2:	Not reported
Facility City:	LOS ANGELES
Facility County:	Not reported
Facility State:	CA
Facility Zip:	900211633

Name:	ALAMEDA SQUARE OWNER LLC
Address:	767 S ALAMEDA ST
Address 2:	Not reported
City,State,Zip:	LOS ANGELES, CA 90021
EPA ID:	CAC002836622
Inactive Date:	02/06/2016
Create Date:	11/06/2015
Last Act Date:	Not reported
Mailing Name:	Not reported
Mailing Address:	505 5TH AVE
Mailing Address 2:	Not reported
Mailing City,State,Zip:	NEW YORK, NY 100174917
Owner Name:	ALAMEDA SQUARE OWNER LLC
Owner Address:	505 5TH AVE
Owner Address 2:	Not reported
Owner City,State,Zip:	NEW YORK, NY 100174917
Contact Name:	SCOTT DENHAM
Contact Address:	505 5TH AVE
Contact Address 2:	Not reported
City,State,Zip:	NEW YORK, NY 100174917
Facility Status:	Inactive

ALAMEDA SQUARE OWNER LLC (Continued) **S118925915**

Facility Type:	TEMPORARY
Category:	STATE
Latitude:	34.031178
Longitude:	-118.23892
NAICS:	
EPA ID:	CAC002836622
Create Date:	2015-11-06 07:37:24.190
NAICS Code:	99999
NAICS Description:	Not Otherwise Specified
Issued EPA ID Date:	2015-11-06 07:37:24.20700
Inactive Date:	2016-02-06 03:00:30.48700
Facility Name:	ALAMEDA SQUARE OWNER LLC
Facility Address:	767 S ALAMEDA ST
Facility Address 2:	Not reported
Facility City:	LOS ANGELES
Facility County:	Not reported
Facility State:	CA
Facility Zip:	900211633

F30 **THE ROW** **UST** **U004292195**
South **767 S ALAMEDA ST** **N/A**
< 1/8 **LOS ANGELES, CA 90021**
0.067 mi.
355 ft. **Site 4 of 4 in cluster F**

Relative: UST:
Lower

Actual:
244 ft.

Name:	THE ROW
Address:	767 S ALAMEDA ST
City,State,Zip:	LOS ANGELES, CA 90021
Facility ID:	FA0039360
Permitting Agency:	Los Angeles City Fire Department
CERSID:	10752460
Latitude:	34.0315200
Longitude:	-118.238890
Owner type:	Not reported
Facility type:	Not reported
Num of inuse ust:	Not reported
Num of closed ust:	Not reported
Num of oos ust:	Not reported
Epa region:	Not reported
Tribal lands:	Not reported
Tank owner name:	Not reported
Tank owner mailing address:	Not reported
Tank owner mailing city:	Not reported
Tank owner mailing zip:	Not reported
Tank owner mailing state:	Not reported
Tank operator name:	Not reported
Tank operator mailing address:	Not reported
Tank operator mailing city:	Not reported
Tank operator mailing zip:	Not reported
Tank operator mailing state:	Not reported
Tankidnumber:	Not reported
Tank status:	Not reported
Tank configuration:	Not reported
Tank closure date:	Not reported
Tank installation date:	Not reported

THE ROW (Continued) **U004292195**

Tank num of compartments:	Not reported
Tank contents:	Not reported
Tank capacity gallons:	Not reported
Tank type:	Not reported
Tank pc construction:	Not reported
Tank pwpiping construction:	Not reported
Tank piping type:	Not reported
Tank piping construction:	Not reported
Tank sacrificial anode:	Not reported
Tank cp impressed current:	Not reported
Tank cp shutoff:	Not reported
Tank alarms:	Not reported
Tank ball float:	Not reported
Tank spill bucket:	Not reported

LOS ANGELES UST:

Name:	THE ROW
Address:	767 S ALAMEDA ST
City,State,Zip:	LOS ANGELES, CA 90021
Facility ID:	FA0039360
Last Run Date:	11/01/2022
Status:	ACTIVE

E31 **COMMERCIAL SUPER SERVICE** **HIST UST** **U001560856**
North **1345 E 7TH ST** **N/A**
< 1/8 **LOS ANGELES, CA 90021**
0.068 mi.
359 ft. **Site 4 of 10 in cluster E**

Relative: HIST UST:
Higher

Actual: Name:	COMMERCIAL SUPER SERVICE
252 ft. Address:	1345 E 7TH ST
City,State,Zip:	LOS ANGELES, CA 90021
File Number:	Not reported
URL:	Not reported
Region:	STATE
Facility ID:	00000008084
Facility Type:	Gas Station
Other Type:	Not reported
Contact Name:	Not reported
Telephone:	2136269188
Owner Name:	COMMERCIAL SUPER SERVICE
Owner Address:	1345 EAST SEVENTH ST.
Owner City,St,Zip:	LOS ANGELES, CA 90021
Total Tanks:	0011
Tank Num:	001
Container Num:	1
Year Installed:	Not reported
Tank Capacity:	00000750
Tank Used for:	WASTE
Type of Fuel:	WASTE OIL
Container Construction Thickness:	Not reported
Leak Detection:	Stock Inventor
Tank Num:	002
Container Num:	2

COMMERCIAL SUPER SERVICE (Continued) **U001560856**

Year Installed:	Not reported
Tank Capacity:	00000750
Tank Used for:	PRODUCT
Type of Fuel:	Not reported
Container Construction Thickness:	Not reported
Leak Detection:	Stock Inventor

Tank Num:	003
Container Num:	3
Year Installed:	Not reported
Tank Capacity:	00010000
Tank Used for:	PRODUCT
Type of Fuel:	REGULAR
Container Construction Thickness:	Not reported
Leak Detection:	Stock Inventor

Tank Num:	004
Container Num:	4
Year Installed:	Not reported
Tank Capacity:	00002500
Tank Used for:	PRODUCT
Type of Fuel:	UNLEADED
Container Construction Thickness:	Not reported
Leak Detection:	Stock Inventor

Tank Num:	005
Container Num:	5
Year Installed:	Not reported
Tank Capacity:	00007000
Tank Used for:	PRODUCT
Type of Fuel:	PREMIUM
Container Construction Thickness:	Not reported
Leak Detection:	Stock Inventor

Tank Num:	006
Container Num:	6
Year Installed:	Not reported
Tank Capacity:	00010000
Tank Used for:	PRODUCT
Type of Fuel:	DIESEL
Container Construction Thickness:	Not reported
Leak Detection:	Stock Inventor

Tank Num:	007
Container Num:	7
Year Installed:	Not reported
Tank Capacity:	00006000
Tank Used for:	PRODUCT
Type of Fuel:	DIESEL
Container Construction Thickness:	Not reported
Leak Detection:	Stock Inventor

Tank Num:	008
Container Num:	8
Year Installed:	Not reported
Tank Capacity:	00000000
Tank Used for:	WASTE

COMMERCIAL SUPER SERVICE (Continued) **U001560856**

Type of Fuel:	Not reported
Container Construction Thickness:	Not reported
Leak Detection:	None
Tank Num:	009
Container Num:	9
Year Installed:	Not reported
Tank Capacity:	00010000
Tank Used for:	PRODUCT
Type of Fuel:	DIESEL
Container Construction Thickness:	Not reported
Leak Detection:	Stock Inventor
Tank Num:	010
Container Num:	10
Year Installed:	Not reported
Tank Capacity:	00010000
Tank Used for:	PRODUCT
Type of Fuel:	REGULAR
Container Construction Thickness:	Not reported
Leak Detection:	Stock Inventor
Tank Num:	011
Container Num:	11
Year Installed:	Not reported
Tank Capacity:	00010000
Tank Used for:	PRODUCT
Type of Fuel:	PREMIUM
Container Construction Thickness:	Not reported
Leak Detection:	Stock Inventor

E32 **COMMERCIAL SUPER SERVICE** **HIST UST** **S118408857**
North **1345 EAST SEVENTH ST** **N/A**
< 1/8 **LOS ANGELES, CA 90021**
0.068 mi.
359 ft. **Site 5 of 10 in cluster E**

Relative: HIST UST:
Higher

Actual: Name:	COMMERCIAL SUPER SERVICE
252 ft. Address:	1345 EAST SEVENTH ST
City,State,Zip:	LOS ANGELES, CA 90021
File Number:	00027341
URL:	https://documents.geotracker.waterboards.ca.gov/ustpdfs/pdf/00027341.pdf
Region:	Not reported
Facility ID:	Not reported
Facility Type:	Not reported
Other Type:	Not reported
Contact Name:	Not reported
Telephone:	Not reported
Owner Name:	Not reported
Owner Address:	Not reported
Owner City,St,Zip:	Not reported
Total Tanks:	Not reported
Tank Num:	Not reported
Container Num:	Not reported
Year Installed:	Not reported
Tank Capacity:	Not reported

COMMERCIAL SUPER SERVICE (Continued) **S118408857**

Tank Used for:	Not reported
Type of Fuel:	Not reported
Container Construction Thickness:	Not reported
Leak Detection:	Not reported

Click here for Geo Tracker PDF:

E33 **COMMERCIAL SUPER SERVICE** **UST** **U004305418**
North **1345 E 7TH ST** **N/A**
< 1/8 **LOS ANGELES, CA 90021**
0.068 mi.
359 ft. **Site 6 of 10 in cluster E**

Relative: **Higher**

Actual: **252 ft.**

LOS ANGELES UST:

Name:	COMMERCIAL SUPER SERVICE
Address:	1345 E 7TH ST
City,State,Zip:	LOS ANGELES, CA 90021
Facility ID:	FA0001508
Last Run Date:	11/01/2022
Status:	INACTIVE

E34 **COMMERCIAL SUPER SERVICE** **EDR Hist Auto** **1009081990**
North **1345 E 7TH ST** **N/A**
< 1/8 **LOS ANGELES, CA**
0.068 mi.
359 ft. **Site 7 of 10 in cluster E**

Relative: **Higher**

Actual: **252 ft.**

EDR Hist Auto

Year:	Name:	Type:
1937	LEVILOFF KATZ	GASOLINE AND OIL SERVICE STATIONS
1942	COMMERCIAL SUPER SERVICE	GASOLINE AND OIL SERVICE STATIONS
1969	COMMERCIAL SUPER SERVICE	Gasoline Service Stations
1970	COMMERCIAL SUPER SERVICE	Gasoline Service Stations
1971	COMMERCIAL SUPER SERVICE	Gasoline Service Stations
1972	COMMERCIAL SUPER SERVICE	Gasoline Service Stations
1973	COMMERCIAL SUPER SERVICE	Gasoline Service Stations
1974	COMMERCIAL SUPER SERVICE	Gasoline Service Stations
1975	COMMERCIAL SUPER SERVICE	Gasoline Service Stations
1976	COMMERCIAL SUPER SERVICE	Gasoline Service Stations
1977	COMMERCIAL SUPER SERVICE	Gasoline Service Stations
1978	COMMERCIAL SUPER SERVICE	Gasoline Service Stations
1979	COMMERCIAL SUPER SERVICE	Gasoline Service Stations
1980	COMMERCIAL SUPER SERVICE	Gasoline Service Stations
1982	COMMERCIAL SUPER SERVICE	Gasoline Service Stations
1983	COMMERCIAL SUPER SERVICE	Gasoline Service Stations
1985	COMMERCIAL SUPER SERVICE	Gasoline Service Stations
1986	COMMERCIAL SUPER SERVICE	Gasoline Service Stations
1987	COMMERCIAL SUPER SERVICE	Gasoline Service Stations
1988	COMMERCIAL SUPER SERVICE	Gasoline Service Stations
1989	COMMERCIAL SUPER SERVICE	Gasoline Service Stations
1990	COMMERCIAL SUPER SERVICE	Gasoline Service Stations
1991	COMMERCIAL SUPER SERVICE	Gasoline Service Stations

E35
North
< 1/8
0.068 mi.
359 ft.

COMMERCIAL SUPER SERVICE
1345 E 7TH ST
LOS ANGELES, CA 90021

Site 8 of 10 in cluster E

SWEEPS UST **S101617231**
CA FID UST **N/A**
HAZMAT

Relative:
Higher

Actual:
252 ft.

SWEEPS UST:

Name:	COMMERCIAL SUPER SERVICE
Address:	1345 E 7TH ST
City:	LOS ANGELES
Status:	Active
Comp Number:	966
Number:	3
Board Of Equalization:	44-011511
Referral Date:	09-23-93
Action Date:	03-15-94
Created Date:	02-29-88
Owner Tank Id:	Not reported
SWRCB Tank Id:	19-050-000966-000001
Tank Status:	A
Capacity:	750
Active Date:	04-20-88
Tank Use:	OIL
STG:	W
Content:	WASTE OIL
Number Of Tanks:	11

Name:	COMMERCIAL SUPER SERVICE
Address:	1345 E 7TH ST
City:	LOS ANGELES
Status:	Active
Comp Number:	966
Number:	3
Board Of Equalization:	44-011511
Referral Date:	09-23-93
Action Date:	03-15-94
Created Date:	02-29-88
Owner Tank Id:	Not reported
SWRCB Tank Id:	19-050-000966-000002
Tank Status:	A
Capacity:	750
Active Date:	04-20-88
Tank Use:	CHEMICAL
STG:	P
Content:	UNKNOWN
Number Of Tanks:	Not reported

Name:	COMMERCIAL SUPER SERVICE
Address:	1345 E 7TH ST
City:	LOS ANGELES
Status:	Active
Comp Number:	966
Number:	3
Board Of Equalization:	44-011511
Referral Date:	09-23-93
Action Date:	03-15-94
Created Date:	02-29-88
Owner Tank Id:	Not reported
SWRCB Tank Id:	19-050-000966-000003

COMMERCIAL SUPER SERVICE (Continued) **S101617231**

Tank Status: A
Capacity: 10000
Active Date: 04-20-88
Tank Use: M.V. FUEL
STG: P
Content: REG UNLEADED
Number Of Tanks: Not reported

Name: COMMERCIAL SUPER SERVICE
Address: 1345 E 7TH ST
City: LOS ANGELES
Status: Active
Comp Number: 966
Number: 3
Board Of Equalization: 44-011511
Referral Date: 09-23-93
Action Date: 03-15-94
Created Date: 02-29-88
Owner Tank Id: Not reported
SWRCB Tank Id: 19-050-000966-000004
Tank Status: A
Capacity: 2500
Active Date: 04-20-88
Tank Use: M.V. FUEL
STG: P
Content: REG UNLEADED
Number Of Tanks: Not reported

Name: COMMERCIAL SUPER SERVICE
Address: 1345 E 7TH ST
City: LOS ANGELES
Status: Active
Comp Number: 966
Number: 3
Board Of Equalization: 44-011511
Referral Date: 09-23-93
Action Date: 03-15-94
Created Date: 02-29-88
Owner Tank Id: Not reported
SWRCB Tank Id: 19-050-000966-000005
Tank Status: A
Capacity: 7000
Active Date: 04-20-88
Tank Use: M.V. FUEL
STG: P
Content: REG UNLEADED
Number Of Tanks: Not reported

Name: COMMERCIAL SUPER SERVICE
Address: 1345 E 7TH ST
City: LOS ANGELES
Status: Active
Comp Number: 966
Number: 3
Board Of Equalization: 44-011511
Referral Date: 09-23-93
Action Date: 03-15-94

COMMERCIAL SUPER SERVICE (Continued) **S101617231**

Created Date:	02-29-88
Owner Tank Id:	Not reported
SWRCB Tank Id:	19-050-000966-000006
Tank Status:	A
Capacity:	10000
Active Date:	04-20-88
Tank Use:	M.V. FUEL
STG:	P
Content:	DIESEL
Number Of Tanks:	Not reported

Name:	COMMERCIAL SUPER SERVICE
Address:	1345 E 7TH ST
City:	LOS ANGELES
Status:	Active
Comp Number:	966
Number:	3
Board Of Equalization:	44-011511
Referral Date:	09-23-93
Action Date:	03-15-94
Created Date:	02-29-88
Owner Tank Id:	Not reported
SWRCB Tank Id:	19-050-000966-000007
Tank Status:	A
Capacity:	6000
Active Date:	04-20-88
Tank Use:	M.V. FUEL
STG:	P
Content:	DIESEL
Number Of Tanks:	Not reported

Name:	COMMERCIAL SUPER SERVICE
Address:	1345 E 7TH ST
City:	LOS ANGELES
Status:	Active
Comp Number:	966
Number:	3
Board Of Equalization:	44-011511
Referral Date:	09-23-93
Action Date:	03-15-94
Created Date:	02-29-88
Owner Tank Id:	Not reported
SWRCB Tank Id:	19-050-000966-000008
Tank Status:	A
Capacity:	Not reported
Active Date:	04-20-88
Tank Use:	CHEMICAL
STG:	P
Content:	UNKNOWN
Number Of Tanks:	Not reported

Name:	COMMERCIAL SUPER SERVICE
Address:	1345 E 7TH ST
City:	LOS ANGELES
Status:	Active
Comp Number:	966
Number:	3

COMMERCIAL SUPER SERVICE (Continued) **S101617231**

Board Of Equalization: 44-011511
Referral Date: 09-23-93
Action Date: 03-15-94
Created Date: 02-29-88
Owner Tank Id: Not reported
SWRCB Tank Id: 19-050-000966-000009
Tank Status: A
Capacity: 10000
Active Date: 04-20-88
Tank Use: M.V. FUEL
STG: P
Content: DIESEL
Number Of Tanks: Not reported

Name: COMMERCIAL SUPER SERVICE
Address: 1345 E 7TH ST
City: LOS ANGELES
Status: Active
Comp Number: 966
Number: 3
Board Of Equalization: 44-011511
Referral Date: 09-23-93
Action Date: 03-15-94
Created Date: 02-29-88
Owner Tank Id: Not reported
SWRCB Tank Id: 19-050-000966-000010
Tank Status: A
Capacity: 10000
Active Date: 04-20-88
Tank Use: M.V. FUEL
STG: P
Content: REG UNLEADED
Number Of Tanks: Not reported

Name: COMMERCIAL SUPER SERVICE
Address: 1345 E 7TH ST
City: LOS ANGELES
Status: Active
Comp Number: 966
Number: 3
Board Of Equalization: 44-011511
Referral Date: 09-23-93
Action Date: 03-15-94
Created Date: 02-29-88
Owner Tank Id: Not reported
SWRCB Tank Id: 19-050-000966-000011
Tank Status: A
Capacity: 10000
Active Date: 04-20-88
Tank Use: M.V. FUEL
STG: P
Content: REG UNLEADED
Number Of Tanks: Not reported

CA FID UST:
Facility ID: 19055360
Regulated By: UTNKA

COMMERCIAL SUPER SERVICE (Continued) **S101617231**

Regulated ID:	00008084
Cortese Code:	Not reported
SIC Code:	Not reported
Facility Phone:	2136269188
Mail To:	Not reported
Mailing Address:	1345 E 7TH ST
Mailing Address 2:	Not reported
Mailing City,St,Zip:	LOS ANGELES 900210000
Contact:	Not reported
Contact Phone:	Not reported
DUNs Number:	Not reported
NPDES Number:	Not reported
EPA ID:	Not reported
Comments:	Not reported
Status:	Active

LOS ANGELES HM:

Name:	COMMERCIAL SUPER SERVICE
Address:	1345 E 7TH ST
City,State,Zip:	LOS ANGELES, CA 90021
Facility ID:	FA0001508
Last Run Date:	11/01/2022
Status:	INACTIVE

H36 **AVA ARTS DISTRICT** **RCRA NonGen / NLR** **1026707908**
NNE **668 S. ALAMEDA STREET** **CAC003095897**
< 1/8 **LOS ANGELES, CA 90021**
0.070 mi.
367 ft. **Site 1 of 9 in cluster H**

Relative: **Higher**

Actual: **251 ft.**

RCRA Listings:

Date Form Received by Agency:		20201204
Handler Name:	AVA ARTS DISTRICT	
Handler Address:		668 S. ALAMEDA STREET
Handler City,State,Zip:		LOS ANGELES, CA 90021
EPA ID:		CAC003095897
Contact Name:		JOHN WATKINS
Contact Address:		2050 MAIN STREET
Contact City,State,Zip:		IRVINE, CA 92614
Contact Telephone:		323-366-2691
Contact Fax:		Not reported
Contact Email:		JOHN_WATKINS@AVALONBAY.COM
Contact Title:		Not reported
EPA Region:		09
Land Type:		Not reported
Federal Waste Generator Description:		Not a generator, verified
Non-Notifier:		Not reported
Biennial Report Cycle:		Not reported
Accessibility:		Not reported
Active Site Indicator:		Not reported
State District Owner:		Not reported
State District:		Not reported
Mailing Address:		2050 MAIN STREET
Mailing City,State,Zip:		IRVINE, CA 92614
Owner Name:	AVALONBAY COMMUNITIES, INC.	
Owner Type:		Other
Operator Name:	JOHN WATKINS	

AVA ARTS DISTRICT (Continued) **1026707908**

Operator Type:	Other
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required: Not reported	
Handler Date of Last Change:	20201218
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

AVA ARTS DISTRICT (Continued) **1026707908**

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name: AVALONBAY COMMUNITIES, INC.	
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	2050 MAIN STREET
Owner/Operator City,State,Zip:	IRVINE, CA 92614
Owner/Operator Telephone:	323-366-2691
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name: JOHN WATKINS	
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	2050 MAIN STREET
Owner/Operator City,State,Zip:	IRVINE, CA 92614
Owner/Operator Telephone:	323-366-2691
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	20201204
Handler Name: AVA ARTS DISTRICT	
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

List of NAICS Codes and Descriptions:

NAICS Code:	236117
NAICS Description:	NEW HOUSING OPERATIVE BUILDERS

Facility Has Received Notices of Violations:

Violations:	No Violations Found

Evaluation Action Summary:

Evaluations:	No Evaluations Found

H37 **SHOWA MARINE AND COLD STORAGE** **NPDES** **S103668647**
NNE **668 S ALAMEDA ST** **HAZMAT** **N/A**
< 1/8 **LOS ANGELES, CA 90002** **WDS**
0.070 mi. **CIWQS**
367 ft. **Site 2 of 9 in cluster H** **CERS**

Relative:
Higher

Actual:
251 ft.

NPDES:

Name:	SHOWA MARINE
Address:	668 S ALAMEDA ST
City,State,Zip:	LOS ANGELES, CA 90021
Facility Status:	Not reported
NPDES Number:	Not reported
Region:	Not reported
Agency Number:	Not reported
Regulatory Measure ID:	Not reported
Place ID:	Not reported
Order Number:	Not reported
WDID:	4 19NEC000317
Regulatory Measure Type:	Industrial
Program Type:	Not reported
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Discharge Address:	Not reported
Discharge Name:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
Status:	Terminated
Status Date:	12/29/2020
Operator Name:	Showa Marine
Operator Address:	668 S Alameda St
Operator City:	Los Angeles
Operator State:	California
Operator Zip:	90021

NPDES as of 03/2018:

NPDES Number:	Not reported
Status:	Not reported
Agency Number:	Not reported
Region:	4
Regulatory Measure ID:	191178
Order Number:	Not reported
Regulatory Measure Type:	Industrial
Place ID:	Not reported
WDID:	4 19NEC000317
Program Type:	Not reported
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	Not reported
Discharge Address:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
Received Date:	08/11/2015
Processed Date:	04/25/2001
Status:	Active

SHOWA MARINE AND COLD STORAGE (Continued) **S103668647**

Status Date:	08/11/2015
Place Size:	55800
Place Size Unit:	SqFt
Contact:	LARRY Piles
Contact Title:	Not reported
Contact Phone:	2136274091
Contact Phone Ext:	Not reported
Contact Email:	larry@showamarinela.com
Operator Name:	Showa Marine
Operator Address:	668 S Alameda St
Operator City:	Los Angeles
Operator State:	California
Operator Zip:	90021
Operator Contact:	LARRY Piles
Operator Contact Title:	Not reported
Operator Contact Phone:	213-627-4091
Operator Contact Phone Ext:	Not reported
Operator Contact Email:	larry@showamarinela.com
Operator Type:	Private Business
Developer:	Not reported
Developer Address:	Not reported
Developer City:	Not reported
Developer State:	California
Developer Zip:	Not reported
Developer Contact:	Not reported
Developer Contact Title:	Not reported
Constype Linear Utility Ind:	Not reported
Emergency Phone:	213-627-4091
Emergency Phone Ext:	Not reported
Constype Above Ground Ind:	Not reported
Constype Below Ground Ind:	Not reported
Constype Cable Line Ind:	Not reported
Constype Comm Line Ind:	Not reported
Constype Commertial Ind:	Not reported
Constype Electrical Line Ind:	Not reported
Constype Gas Line Ind:	Not reported
Constype Industrial Ind:	Not reported
Constype Other Description:	Not reported
Constype Other Ind:	Not reported
Constype Recons Ind:	Not reported
Constype Residential Ind:	Not reported
Constype Transport Ind:	Not reported
Constype Utility Description:	Not reported
Constype Utility Ind:	Not reported
Constype Water Sewer Ind:	Not reported
Dir Discharge Uswater Ind:	N
Receiving Water Name:	Los Angeles River
Certifier:	Larry Piles
Certifier Title:	General Manager
Certification Date:	13-SEP-16
Primary Sic:	4493-Marinas
Secondary Sic:	Not reported
Tertiary Sic:	Not reported
NPDES Number:	CAS000001
Status:	Active
Agency Number:	0

SHOWA MARINE AND COLD STORAGE (Continued) **S103668647**

Region:	4
Regulatory Measure ID:	191178
Order Number:	97-03-DWQ
Regulatory Measure Type:	Enrollee
Place ID:	Not reported
WDID:	4 19NEC000317
Program Type:	Industrial
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	04/25/2001
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	Showa Marine
Discharge Address:	668 S Alameda St
Discharge City:	Los Angeles
Discharge State:	California
Discharge Zip:	90021
Received Date:	Not reported
Processed Date:	Not reported
Status:	Not reported
Status Date:	Not reported
Place Size:	Not reported
Place Size Unit:	Not reported
Contact:	Not reported
Contact Title:	Not reported
Contact Phone:	Not reported
Contact Phone Ext:	Not reported
Contact Email:	Not reported
Operator Name:	Not reported
Operator Address:	Not reported
Operator City:	Not reported
Operator State:	Not reported
Operator Zip:	Not reported
Operator Contact:	Not reported
Operator Contact Title:	Not reported
Operator Contact Phone:	Not reported
Operator Contact Phone Ext:	Not reported
Operator Contact Email:	Not reported
Operator Type:	Not reported
Developer:	Not reported
Developer Address:	Not reported
Developer City:	Not reported
Developer State:	Not reported
Developer Zip:	Not reported
Developer Contact:	Not reported
Developer Contact Title:	Not reported
Constype Linear Utility Ind:	Not reported
Emergency Phone:	Not reported
Emergency Phone Ext:	Not reported
Constype Above Ground Ind:	Not reported
Constype Below Ground Ind:	Not reported
Constype Cable Line Ind:	Not reported
Constype Comm Line Ind:	Not reported
Constype Commertial Ind:	Not reported
Constype Electrical Line Ind:	Not reported
Constype Gas Line Ind:	Not reported
Constype Industrial Ind:	Not reported
Constype Other Description:	Not reported

SHOWA MARINE AND COLD STORAGE (Continued) **S103668647**

Constype Other Ind:	Not reported
Constype Recons Ind:	Not reported
Constype Residential Ind:	Not reported
Constype Transport Ind:	Not reported
Constype Utility Description:	Not reported
Constype Utility Ind:	Not reported
Constype Water Sewer Ind:	Not reported
Dir Discharge Uswater Ind:	Not reported
Receiving Water Name:	Not reported
Certifier:	Not reported
Certifier Title:	Not reported
Certification Date:	Not reported
Primary Sic:	Not reported
Secondary Sic:	Not reported
Tertiary Sic:	Not reported

Name:	SHOWA MARINE
Address:	668 S ALAMEDA ST
City,State,Zip:	LOS ANGELES, CA 90021
Facility Status:	Terminated
NPDES Number:	CAS000001
Region:	4
Agency Number:	0
Regulatory Measure ID:	191178
Place ID:	Not reported
Order Number:	97-03-DWQ
WDID:	4 19NEC000317
Regulatory Measure Type:	Enrollee
Program Type:	Industrial
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	04/25/2001
Termination Date Of Regulatory Measure:	11/24/2020
Expiration Date Of Regulatory Measure:	Not reported
Discharge Address:	668 S Alameda St
Discharge Name:	Showa Marine
Discharge City:	Los Angeles
Discharge State:	California
Discharge Zip:	90021
Status:	Not reported
Status Date:	Not reported
Operator Name:	Not reported
Operator Address:	Not reported
Operator City:	Not reported
Operator State:	Not reported
Operator Zip:	Not reported

NPDES as of 03/2018:

NPDES Number:	Not reported
Status:	Not reported
Agency Number:	Not reported
Region:	4
Regulatory Measure ID:	191178
Order Number:	Not reported
Regulatory Measure Type:	Industrial
Place ID:	Not reported
WDID:	4 19NEC000317
Program Type:	Not reported

SHOWA MARINE AND COLD STORAGE (Continued) **S103668647**

Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	Not reported
Discharge Address:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
Received Date:	08/11/2015
Processed Date:	04/25/2001
Status:	Active
Status Date:	08/11/2015
Place Size:	55800
Place Size Unit:	SqFt
Contact:	LARRY Piles
Contact Title:	Not reported
Contact Phone:	2136274091
Contact Phone Ext:	Not reported
Contact Email:	larry@showamarinela.com
Operator Name:	Showa Marine
Operator Address:	668 S Alameda St
Operator City:	Los Angeles
Operator State:	California
Operator Zip:	90021
Operator Contact:	LARRY Piles
Operator Contact Title:	Not reported
Operator Contact Phone:	213-627-4091
Operator Contact Phone Ext:	Not reported
Operator Contact Email:	larry@showamarinela.com
Operator Type:	Private Business
Developer:	Not reported
Developer Address:	Not reported
Developer City:	Not reported
Developer State:	California
Developer Zip:	Not reported
Developer Contact:	Not reported
Developer Contact Title:	Not reported
Constype Linear Utility Ind:	Not reported
Emergency Phone:	213-627-4091
Emergency Phone Ext:	Not reported
Constype Above Ground Ind:	Not reported
Constype Below Ground Ind:	Not reported
Constype Cable Line Ind:	Not reported
Constype Comm Line Ind:	Not reported
Constype Commertial Ind:	Not reported
Constype Electrical Line Ind:	Not reported
Constype Gas Line Ind:	Not reported
Constype Industrial Ind:	Not reported
Constype Other Description:	Not reported
Constype Other Ind:	Not reported
Constype Recons Ind:	Not reported
Constype Residential Ind:	Not reported
Constype Transport Ind:	Not reported
Constype Utility Description:	Not reported
Constype Utility Ind:	Not reported
Constype Water Sewer Ind:	Not reported

SHOWA MARINE AND COLD STORAGE (Continued) **S103668647**

Dir Discharge Uswater Ind:	N
Receiving Water Name:	Los Angeles River
Certifier:	Larry Piles
Certifier Title:	General Manager
Certification Date:	13-SEP-16
Primary Sic:	4493-Marinas
Secondary Sic:	Not reported
Tertiary Sic:	Not reported
NPDES Number:	CAS000001
Status:	Active
Agency Number:	0
Region:	4
Regulatory Measure ID:	191178
Order Number:	97-03-DWQ
Regulatory Measure Type:	Enrollee
Place ID:	Not reported
WDID:	4 19NEC000317
Program Type:	Industrial
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	04/25/2001
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	Showa Marine
Discharge Address:	668 S Alameda St
Discharge City:	Los Angeles
Discharge State:	California
Discharge Zip:	90021
Received Date:	Not reported
Processed Date:	Not reported
Status:	Not reported
Status Date:	Not reported
Place Size:	Not reported
Place Size Unit:	Not reported
Contact:	Not reported
Contact Title:	Not reported
Contact Phone:	Not reported
Contact Phone Ext:	Not reported
Contact Email:	Not reported
Operator Name:	Not reported
Operator Address:	Not reported
Operator City:	Not reported
Operator State:	Not reported
Operator Zip:	Not reported
Operator Contact:	Not reported
Operator Contact Title:	Not reported
Operator Contact Phone:	Not reported
Operator Contact Phone Ext:	Not reported
Operator Contact Email:	Not reported
Operator Type:	Not reported
Developer:	Not reported
Developer Address:	Not reported
Developer City:	Not reported
Developer State:	Not reported
Developer Zip:	Not reported
Developer Contact:	Not reported
Developer Contact Title:	Not reported

SHOWA MARINE AND COLD STORAGE (Continued) **S103668647**

Constype Linear Utility Ind:	Not reported
Emergency Phone:	Not reported
Emergency Phone Ext:	Not reported
Constype Above Ground Ind:	Not reported
Constype Below Ground Ind:	Not reported
Constype Cable Line Ind:	Not reported
Constype Comm Line Ind:	Not reported
Constype Commertial Ind:	Not reported
Constype Electrical Line Ind:	Not reported
Constype Gas Line Ind:	Not reported
Constype Industrial Ind:	Not reported
Constype Other Description:	Not reported
Constype Other Ind:	Not reported
Constype Recons Ind:	Not reported
Constype Residential Ind:	Not reported
Constype Transport Ind:	Not reported
Constype Utility Description:	Not reported
Constype Utility Ind:	Not reported
Constype Water Sewer Ind:	Not reported
Dir Discharge Uswater Ind:	Not reported
Receiving Water Name:	Not reported
Certifier:	Not reported
Certifier Title:	Not reported
Certification Date:	Not reported
Primary Sic:	Not reported
Secondary Sic:	Not reported
Tertiary Sic:	Not reported

Name:	AVA ARTS DISTRICT
Address:	668 SOUTH ALAMEDA STREET
City,State,Zip:	LOS ANGELES, CA 90021
Facility Status:	Not reported
NPDES Number:	Not reported
Region:	Not reported
Agency Number:	Not reported
Regulatory Measure ID:	Not reported
Place ID:	Not reported
Order Number:	Not reported
WDID:	4 19C388405
Regulatory Measure Type:	Construction
Program Type:	Not reported
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Discharge Address:	Not reported
Discharge Name:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
Status:	Active
Status Date:	10/15/2019
Operator Name:	AvalonBay Communities
Operator Address:	2050 Main Street
Operator City:	Irvine
Operator State:	California

SHOWA MARINE AND COLD STORAGE (Continued) **S103668647**

Operator Zip:	92614
Name:	AVA ARTS DISTRICT
Address:	668 SOUTH ALAMEDA STREET
City,State,Zip:	LOS ANGELES, CA 90021
Facility Status:	Active
NPDES Number:	CAS000002
Region:	4
Agency Number:	0
Regulatory Measure ID:	511960
Place ID:	Not reported
Order Number:	2009-0009-DWQ
WDID:	4 19C388405
Regulatory Measure Type:	Enrollee
Program Type:	Construction
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	10/15/2019
Termination Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Discharge Address:	2050 Main Street
Discharge Name:	AvalonBay Communities
Discharge City:	Irvine
Discharge State:	California
Discharge Zip:	92614
Status:	Not reported
Status Date:	Not reported
Operator Name:	Not reported
Operator Address:	Not reported
Operator City:	Not reported
Operator State:	Not reported
Operator Zip:	Not reported

LOS ANGELES HM:

Name:	SHOWA MARINE
Address:	668 S ALAMEDA ST
City,State,Zip:	LOS ANGELES, CA 90021
Facility ID:	FA0023440
Last Run Date:	11/01/2022
Status:	INACTIVE

WDS:

Name:	SHOWA MARINE AND COLD STORAGE
Address:	668 S Alameda St
City:	LOS ANGELES
Facility ID:	4 19I016495
Facility Type:	Other - Does not fall into the category of Municipal/Domestic, Industrial, Agricultural or Solid Waste (Class I, II or III)
Facility Status:	Active - Any facility with a continuous or seasonal discharge that is under Waste Discharge Requirements.
NPDES Number:	CAS000001 The 1st 2 characters designate the state. The remaining 7 are assigned by the Regional Board
Subregion:	4
Facility Telephone:	2136274091
Facility Contact:	Larry Piles
Agency Name:	SHOWA MARINE & COLD STORAGE
Agency Address:	Not reported

SHOWA MARINE AND COLD STORAGE (Continued) **S103668647**

Agency City,St,Zip:	0
Agency Contact:	Not reported
Agency Telephone:	Not reported
Agency Type:	Private
SIC Code:	4493
SIC Code 2:	Not reported
Primary Waste Type:	Inert/Influent or Solid Wastes that do not contain soluble pollutants or organic wastes and have little adverse impact on water quality. Such wastes could cause turbidity and siltation. Uncontaminated soils, rubble and concrete are examples of this category.
Primary Waste:	STORMS
Waste Type2:	Not reported
Waste2:	Stormwater Runoff
Primary Waste Type:	Inert/Influent or Solid Wastes that do not contain soluble pollutants or organic wastes and have little adverse impact on water quality. Such wastes could cause turbidity and siltation. Uncontaminated soils, rubble and concrete are examples of this category.
Secondary Waste:	Not reported
Secondary Waste Type:	Not reported
Design Flow:	0
Baseline Flow:	0
Reclamation:	No reclamation requirements associated with this facility.
POTW:	The POTW Does not have an approved pretreatment program. Some POTWs may have local pretreatment programs that have not been approved by the regional board and/or EPA.
Treat To Water:	Minor Threat to Water Quality. A violation of a regional board order should cause a relatively minor impairment of beneficial uses compared to a major or minor threat. Not: All nurds without a TTWQ will be considered a minor threat to water quality unless coded at a higher Level. A Zero (0) may be used to code those NURDS that are found to represent no threat to water quality.
Complexity:	Category C - Facilities having no waste treatment systems, such as cooling water dischargers or thosewho must comply through best management practices, facilities with passive waste treatment and disposal systems, such as septic systems with subsurface disposal, or dischargers having waste storage systems with land disposal such as dairy waste ponds.

CIWQS:

Name:	AVA ARTS DISTRICT
Address:	668 SOUTH ALAMEDA STREET
City,State,Zip:	LOS ANGELES, CA 90021
Agency:	AvalonBay Communities
Agency Address:	2050 Main Street Suite 1200, Irvine, CA 92614
Place/Project Type:	Construction - Commercial, Residential
SIC/NAICS:	Not reported
Region:	4
Program:	CONSTW
Regulatory Measure Status:	Active
Regulatory Measure Type:	Storm water construction
Order Number:	2009-0009-DWQ
WDID:	4 19C368405
NPDES Number:	CAS000002
Adoption Date:	Not reported
Effective Date:	10/15/2019
Termination Date:	Not reported
Expiration/Review Date:	Not reported

SHOWA MARINE AND COLD STORAGE (Continued) **S103668647**

Design Flow:	Not reported
Major/Minor:	Not reported
Complexity:	Not reported
TTWQ:	Not reported
Enforcement Actions within 5 years:	0
Violations within 5 years:	0
Latitude:	34.03593
Longitude:	-118.23848

Name:	SHOWA MARINE
Address:	668 S ALAMEDA ST
City,State,Zip:	LOS ANGELES, CA 90021
Agency:	Showa Marine
Agency Address:	668 S Alameda St, Los Angeles, CA 90021
Place/Project Type:	Industrial - Marinas
SIC/NAICS:	4493
Region:	4
Program:	INDSTW
Regulatory Measure Status:	Terminated
Regulatory Measure Type:	Storm water industrial
Order Number:	2014-0057-DWQ
WDID:	4 19NEC000317
NPDES Number:	CAS000001
Adoption Date:	Not reported
Effective Date:	04/25/2001
Termination Date:	11/24/2020
Expiration/Review Date:	Not reported
Design Flow:	Not reported
Major/Minor:	Not reported
Complexity:	Not reported
TTWQ:	Not reported
Enforcement Actions within 5 years:	1
Violations within 5 years:	1
Latitude:	34.03608
Longitude:	-118.23857

CERS:

Name:	AVA ARTS DISTRICT
Address:	668 SOUTH ALAMEDA STREET
City,State,Zip:	LOS ANGELES, CA 90021
Site ID:	558496
CERS ID:	875065
CERS Description:	Construction Storm Water

Affiliation:

Affiliation Type Desc:	Owner/Operator
Entity Name:	AvalonBay Communities
Entity Title:	Operator
Affiliation Address:	2050 Main StreetSuite 1200
Affiliation City:	Irvine
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92614
Affiliation Phone:	.

H38 **AVA ARTS DISTRICT, LP** **RCRA NonGen / NLR** **1026484081**
NNE **668 S ALAMEDA ST** **CAC003090169**
< 1/8 **LOS ANGELES, CA 90021**
0.070 mi.
367 ft. **Site 3 of 9 in cluster H**

Relative: **Higher**

Actual: **251 ft.**

RCRA Listings:

Date Form Received by Agency:		20201027
Handler Name:	AVA ARTS DISTRICT, LP	
Handler Address:		668 S ALAMEDA ST
Handler City,State,Zip:		LOS ANGELES, CA 90021
EPA ID:		CAC003090169
Contact Name:		AVA ARTS DISTRICT, LP
Contact Address:		2050 MAIN STREET #1200
Contact City,State,Zip:		IRVINE, CA 92614
Contact Telephone:		626-975-6283
Contact Fax:		Not reported
Contact Email:		JACQUELINE@5MCONTRACTING.ORG
Contact Title:		Not reported
EPA Region:		09
Land Type:		Not reported
Federal Waste Generator Description:		Not a generator, verified
Non-Notifier:		Not reported
Biennial Report Cycle:		Not reported
Accessibility:		Not reported
Active Site Indicator:		Not reported
State District Owner:		Not reported
State District:		Not reported
Mailing Address:		2050 MAIN STREET #1200
Mailing City,State,Zip:		IRVINE, CA 92614
Owner Name:	AVA ARTS DISTRICT, LP	
Owner Type:		Other
Operator Name:	AVA ARTS DISTRICT, LP	
Operator Type:		Other
Short-Term Generator Activity:		No
Importer Activity:		No
Mixed Waste Generator:		No
Transporter Activity:		No
Transfer Facility Activity:		No
Recycler Activity with Storage:		No
Small Quantity On-Site Burner Exemption:		No
Smelting Melting and Refining Furnace Exemption:		No
Underground Injection Control:		No
Off-Site Waste Receipt:		No
Universal Waste Indicator:		No
Universal Waste Destination Facility:		No
Federal Universal Waste:		No
Active Site Fed-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site Converter Treatment storage and Disposal Facility:		Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site State-Reg Handler:		---
Federal Facility Indicator:		Not reported
Hazardous Secondary Material Indicator:		N
Sub-Part K Indicator:		Not reported
Commercial TSD Indicator:		No
Treatment Storage and Disposal Type:		Not reported
2018 GPRA Permit Baseline:		Not on the Baseline
2018 GPRA Renewals Baseline:		Not on the Baseline
Permit Renewals Workload Universe:		Not reported

AVA ARTS DISTRICT, LP (Continued) **1026484081**

Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required: Not reported	
Handler Date of Last Change:	20201106
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Operator
Owner/Operator Name: AVA ARTS DISTRICT, LP	
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	2050 MAIN STREET #1200
Owner/Operator City,State,Zip:	IRVINE, CA 92614
Owner/Operator Telephone:	626-975-6283
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Owner
Owner/Operator Name: AVA ARTS DISTRICT, LP	
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	2050 MAIN STREET #1200
Owner/Operator City,State,Zip:	IRVINE, CA 92614
Owner/Operator Telephone:	626-975-6283
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

AVA ARTS DISTRICT, LP (Continued) **1026484081**

Historic Generators:
- Receive Date: 20201027
- Handler Name: AVA ARTS DISTRICT, LP
- Federal Waste Generator Description: Not a generator, verified
- State District Owner: Not reported
- Large Quantity Handler of Universal Waste: No
- Recognized Trader Importer: No
- Recognized Trader Exporter: No
- Spent Lead Acid Battery Importer: No
- Spent Lead Acid Battery Exporter: No
- Current Record: Yes
- Non Storage Recycler Activity: Not reported
- Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
- NAICS Code: 238290
- NAICS Description: OTHER BUILDING EQUIPMENT CONTRACTORS

Facility Has Received Notices of Violations:
- Violations: No Violations Found

Evaluation Action Summary:
- Evaluations: No Evaluations Found

I39 **LOS ANGELES SIGNAL DEPOT** **ENVIROSTOR** **S107736638**
West **N/A**
< 1/8 **LOS ANGELES, CA**
0.073 mi.
387 ft. **Site 1 of 3 in cluster I**

Relative: Higher
Actual: 246 ft.

ENVIROSTOR:
- Name: LOS ANGELES SIGNAL DEPOT
- Address: Not reported
- City,State,Zip: LOS ANGELES, CA
- Facility ID: 80001030
- Status: Inactive - Needs Evaluation
- Status Date: 07/01/2005
- Site Code: Not reported
- Site Type: Military Evaluation
- Site Type Detailed: FUDS
- Acres: 0
- NPL: NO
- Regulatory Agencies: SMBRP
- Lead Agency: SMBRP
- Program Manager: Not reported
- Supervisor: Douglas Bautista
- Division Branch: Cleanup Cypress
- Assembly: 53
- Senate: 30
- Special Program: Not reported
- Restricted Use: NO
- Site Mgmt Req: NONE SPECIFIED
- Funding: DERA
- Latitude: 34.03333
- Longitude: -118.2411

LOS ANGELES SIGNAL DEPOT (Continued) **S107736638**

APN: NONE SPECIFIED
Past Use: NONE SPECIFIED
Potential COC: NONE SPECIFIED
Confirmed COC: NONE SPECIFIED
Potential Description: NONE SPECIFIED
Alias Name: CA99799FA42100
Alias Type: Federal Facility ID
Alias Name: J09CA7394
Alias Type: INPR
Alias Name: 80001030
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Inventory Project Report (INPR)
Completed Date: 07/02/1999
Comments: Not reported

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

I40 West < 1/8 0.074 mi. 390 ft. **LOS ANGELES SIGNAL DEPOT** **FUDS** **1024904055 N/A**

LOS ANGELES, CA

Site 2 of 3 in cluster I

Relative: Higher
Actual: 246 ft.

FUDS:
EPA Region: 09
Installation ID: CA99799FA42100
Congressional District Number: 34
Name: LOS ANGELES SIGNAL DEPOT
FUDS Number: J09CA7394
City: LOS ANGELES
State: CA
County: LOS ANGELES
Object ID: 2060
USACE Division: SPD
USACE District: Los Angeles District (SPL)
Status: Properties without projects
Current Owner: Not reported
EMS Map Link: https://fudsportal.usace.army.mil/ems/inventory/map?id=63130
Eligibility: Eligible
Has Projects: No
NPL Status: Not reported
Project Required: No
Feature Description: N/A
Latitude: 34.03333333
Longitude: -118.24111111

J41 **GREYHOUND** **HAZMAT** **S123548731**
NE **725 S CHANNING ST** **N/A**
< 1/8 **LOS ANGELES, CA 90013**
0.076 mi.
403 ft. **Site 1 of 14 in cluster J**

Relative: **Higher**
Actual: **249 ft.**

LOS ANGELES HM:

Name:	GREYHOUND
Address:	725 S CHANNING ST
City,State,Zip:	LOS ANGELES, CA 90013
Facility ID:	FA0023442
Last Run Date:	11/01/2022
Status:	INACTIVE

J42 **ALAMEDA LAMGP SITE** **RCRA NonGen / NLR** **1010313771**
NE **725 CHANNING ST** **CAR000177840**
< 1/8 **LOS ANGELES, CA 90021**
0.076 mi.
403 ft. **Site 2 of 14 in cluster J**

Relative: **Higher**
Actual: **249 ft.**

RCRA Listings:

Date Form Received by Agency:		20090914
Handler Name:	ALAMEDA LAMGP SITE	
Handler Address:		725 CHANNING ST
Handler City,State,Zip:		LOS ANGELES, CA 90021
EPA ID:		CAR000177840
Contact Name:		JIM SCRUGGS
Contact Address:		6875 CONSOLIDATED WAY
Contact City,State,Zip:		SAN DIEGO, CA 92121-2602
Contact Telephone:		858-653-3104
Contact Fax:		Not reported
Contact Email:		JSCRUGGS@SEMPRAUTILITIES.COM
Contact Title:		Not reported
EPA Region:		09
Land Type:		Private
Federal Waste Generator Description:		Not a generator, verified
Non-Notifier:		Not reported
Biennial Report Cycle:		Not reported
Accessibility:		Not reported
Active Site Indicator:		Not reported
State District Owner:		Not reported
State District:		Not reported
Mailing Address:		6875 CONSOLIDATED WAY
Mailing City,State,Zip:		SAN DIEGO, CA 92121-2602
Owner Name:	GREYHOUND BUS LINES	
Owner Type:		Private
Operator Name:	SOUTHERN CALIFORNIA GAS CO	
Operator Type:		Private
Short-Term Generator Activity:		No
Importer Activity:		No
Mixed Waste Generator:		No
Transporter Activity:		No
Transfer Facility Activity:		No
Recycler Activity with Storage:		No
Small Quantity On-Site Burner Exemption:		No
Smelting Melting and Refining Furnace Exemption:		No
Underground Injection Control:		No
Off-Site Waste Receipt:		No
Universal Waste Indicator:		No
Universal Waste Destination Facility:		No

ALAMEDA LAMGP SITE (Continued) **1010313771**

Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	NN
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required: Not reported	
Handler Date of Last Change:	20090929
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	Not reported
Manifest Broker:	Not reported
Sub-Part P Indicator:	No

Biennial: List of Years
Year: 2007

Click Here for Biennial Reporting System Data:

Hazardous Waste Summary:
Waste Code: D008
Waste Description: LEAD

Handler - Owner Operator:
Owner/Operator Indicator: Operator
Owner/Operator Name: SOUTHERN CALIFORNIA GAS CO

ALAMEDA LAMGP SITE (Continued) **1010313771**

Legal Status:	Private
Date Became Current:	19370101
Date Ended Current:	Not reported
Owner/Operator Address:	Not reported
Owner/Operator City,State,Zip:	Not reported
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Owner
Owner/Operator Name: GREYHOUND BUS LINES	
Legal Status:	Private
Date Became Current:	20060301
Date Ended Current:	Not reported
Owner/Operator Address:	1716 E 7TH STREET
Owner/Operator City,State,Zip:	LOS ANGELES, CA 90021
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Owner
Owner/Operator Name: GREYHOUND BUS LINES	
Legal Status:	Private
Date Became Current:	20060301
Date Ended Current:	Not reported
Owner/Operator Address:	1716 E 7TH STREET
Owner/Operator City,State,Zip:	LOS ANGELES, CA 90021
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Operator
Owner/Operator Name: SOUTHERN CALIFORNIA GAS CO	
Legal Status:	Private
Date Became Current:	19370101
Date Ended Current:	Not reported
Owner/Operator Address:	Not reported
Owner/Operator City,State,Zip:	Not reported
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Owner
Owner/Operator Name: GREYHOUND BUS LINES	
Legal Status:	Private
Date Became Current:	20060301
Date Ended Current:	Not reported
Owner/Operator Address:	1716 E 7TH ST
Owner/Operator City,State,Zip:	LOS ANGELES, CA 90021
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

ALAMEDA LAMGP SITE (Continued) **1010313771**

Owner/Operator Indicator: Operator
Owner/Operator Name: SOUTHERN CALIFORNIA GAS CO
Legal Status: Private
Date Became Current: 19370101
Date Ended Current: Not reported
Owner/Operator Address: Not reported
Owner/Operator City,State,Zip: Not reported
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:
Receive Date: 20060925
Handler Name: ALAMEDA LA MGP SITE
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20090914
Handler Name: ALAMEDA LAMGP SITE
Federal Waste Generator Description: Not a generator, verified
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20080220
Handler Name: ALAMEDA LA MGP SITE
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Code: 56291
NAICS Description: REMEDIATION SERVICES

ALAMEDA LAMGP SITE (Continued) **1010313771**

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

J43 **UST** **U004304218**
NE **725 CHANNING ST** **N/A**
< 1/8 **LOS ANGELES, CA**
0.076 mi.
403 ft. **Site 3 of 14 in cluster J**

Relative: LOS ANGELES UST:
Higher
Actual: Name: Not reported
249 ft. Address: 725 CHANNING ST
City,State,Zip: LOS ANGELES, CA
Facility ID: Not reported
Last Run Date: 01/01/1900
Status: HISTORICAL

J44 **SO CAL GAS/LA-ALAMEDA MGP** **EDR MGP** **1008407708**
NE **725 CHANNING STREET** **N/A**
< 1/8 **LOS ANGELES, CA 90021**
0.076 mi.
403 ft. **Site 4 of 14 in cluster J**

Relative: Manufactured Gas Plants:
Higher
Actual: Site located at 725 Chemming Street, Los Angeles, California, approximately 2.5
249 ft. acres. From 1887 util 1906 an oil gas plant was operated at site. MGP may have been converted to a natural gas storage site in approximately 1906. Records indicate that MMGP equipment may have been removed by 1930. Site is currently used as a Greyhound Bus parking lot.

J45 **GREYHOUND** **UST** **U004306800**
NE **725 S CHANNING ST** **N/A**
< 1/8 **LOS ANGELES, CA 90013**
0.076 mi.
403 ft. **Site 5 of 14 in cluster J**

Relative: LOS ANGELES UST:
Higher
Actual: Name: GREYHOUND
249 ft. Address: 725 S CHANNING ST
City,State,Zip: LOS ANGELES, CA 90013
Facility ID: FA0023442
Last Run Date: 11/01/2022
Status: INACTIVE

J46 **FARMERS PRODUCE PROJECT INC** **ENVIROSTOR** **S101584054**
NE **725 CHANNING ST** **VCP** **N/A**
< 1/8 **LOS ANGELES, CA 90023** **SWEEPS UST**
0.076 mi. **CA FID UST**
403 ft. **Site 6 of 14 in cluster J** **NPDES**

Relative: **Higher**
Actual: **249 ft.**

ENVIROSTOR:

Name:	SO CAL GAS/LA-ALAMEDA MGP
Address:	725 CHANNING STREET
City,State,Zip:	LOS ANGELES, CA 90021
Facility ID:	19490227
Status:	Certified
Status Date:	06/24/2014
Site Code:	301066
Site Type:	Voluntary Cleanup
Site Type Detailed:	Voluntary Agreement
Acres:	2.5
NPL:	NO
Regulatory Agencies:	SMBRP
Lead Agency:	SMBRP
Program Manager:	Not reported
Supervisor:	Javier Hinojosa
Division Branch:	Cleanup Chatsworth
Assembly:	53
Senate:	24
Special Program:	Voluntary Agreement - Standard Voluntary Agreement
Restricted Use:	NO
Site Mgmt Req:	NONE SPECIFIED
Funding:	Responsible Party
Latitude:	34.03432
Longitude:	-118.2380
APN:	NONE SPECIFIED
Past Use:	MANUFACTURED GAS PLANT
Potential COC:	* ORGANIC MONOMER WASTE, INCLUDING UNREACTED RESINS * OTHER ORGANIC SOLIDS * CONTAMINATED SOIL * UNSPECIFIED SLUDGE WASTE * POLYMERIC RESIN WASTE * UNSPECIFIED ORGANIC LIQUID MIXTURE * SULFUR SLUDGE Arsenic Lead Cyanide (free Polynuclear aromatic hydrocarbons (PAHs
Confirmed COC:	Not reported
Potential Description:	OTH, SOIL
Alias Name:	ALAMEDA MANUFACTURED GAS PLANT
Alias Type:	Alternate Name
Alias Name:	CONSUMERS GAS, LIGHT, HEAT AND POWER CO.
Alias Type:	Alternate Name
Alias Name:	KELCO OIL & PROPANE GAS STATION
Alias Type:	Alternate Name
Alias Name:	LA MANUFACTURED GAS PLANT/ALAMEDA STREET
Alias Type:	Alternate Name
Alias Name:	LOS ANGELES GAS AND ELECTRIC CO
Alias Type:	Alternate Name
Alias Name:	LOS ANGELES LIGHTING CO.
Alias Type:	Alternate Name
Alias Name:	LOS ANGELES TOWNE GAS PLANT/ALAMEDA ST
Alias Type:	Alternate Name
Alias Name:	SOUTHERN CALIFORNIA GAS
Alias Type:	Alternate Name
Alias Name:	SOUTHERN CALIFORNIA GAS - LA MGP/ALAMEDA
Alias Type:	Alternate Name
Alias Name:	SOUTHERN CALIFORNIA GAS COMPANY
Alias Type:	Alternate Name

FARMERS PRODUCE PROJECT INC (Continued) **S101584054**

Alias Name: UNITED CRATES COMPANY
Alias Type: Alternate Name
Alias Name: 110033615675
Alias Type: EPA (FRS #)
Alias Name: 301066
Alias Type: Project Code (Site Code)
Alias Name: 19490227
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: Off-Site
Completed Sub Area Name: Not reported
Completed Document Type: Technical Workplan
Completed Date: 08/11/2010
Comments: Workplan approved.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Standard Voluntary Agreement
Completed Date: 04/26/2001
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: CEQA - Initial Study/ Neg. Declaration
Completed Date: 03/18/2003
Comments: Special Initial Study, Negative Declaration, and De Minimis Impact Finding were prepared and made available for public review. No verbal or written comments were received. DTSC approved the CEQA documents on 3/18/2003. DTSC approved RAW on 3/18/03. Proposed removal activities consists of removing approximately 615 cubic yards of contaminated soil. Chemicals of potential concern previously identified in the soil include the following: Lampslack, PAH's, and BTEX. Removal Activities are anticipated to last approximately 30 days.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Workplan
Completed Date: 05/05/2004
Comments: SRAW approved.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Workplan
Completed Date: 12/04/2002
Comments: Removal Action Workplan Approved

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Report
Completed Date: 12/31/2002
Comments: DTSC approved site characterization activities in December 2002. Contaminants of concern included PAH's & BTEX. A RAW involving excavation will be implemented for the Site.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported

FARMERS PRODUCE PROJECT INC (Continued) **S101584054**

Completed Document Type:	Preliminary Endangerment Assessment Report
Completed Date:	05/20/1993
Comments:	The Department completed review of the PEA. A Manufactured Gas Plant (MGP) was operated at the site in the late 1800s and early 1900s. Gas was produced from crude oil for distribution in the site area. Several companies operated at the site. In 1909, the site was owned by the Los Angeles Gas and Electric Corp., which merged with the Southern California Gas Company in 1937. SoCalGas owned the property until 1976, and sold to the current owners. The MGP was dismantled sometime before 1906. The byproducts from the manufactured gas operation were tars, oils, sludges, and lampblack. Elevated levels of polycyclic aromatic hydro- carbons (PAH), heavy metals such as lead and arsenic and cyanides were found at the site. The PEA concluded that there was contamination at the site above screening values. Therefore, the Department recommended that further investigation or assessment at the site was necessary.
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Site Screening
Completed Date:	04/08/1992
Comments:	Not reported
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Fieldwork
Completed Date:	03/06/2007
Comments:	Field work was accomplished.
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Fieldwork
Completed Date:	01/06/2014
Comments:	During the site visit I observed that contractors for the Gas Co. had completed the excavation of lamp black along the western/southern corner property boundary and were in the process of restoring the planters and parking lot spaces.
Completed Area Name:	Off-Site
Completed Sub Area Name:	Not reported
Completed Document Type:	Removal Action Workplan
Completed Date:	01/28/2013
Comments:	Not reported
Completed Area Name:	Off-Site
Completed Sub Area Name:	Not reported
Completed Document Type:	Removal Action Completion Report
Completed Date:	06/27/2014
Comments:	RACR Approved
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Annual Oversight Cost Estimate
Completed Date:	09/24/2013
Comments:	Letter sent out
Completed Area Name:	PROJECT WIDE

FARMERS PRODUCE PROJECT INC (Continued) **S101584054**

Completed Sub Area Name: Not reported
Completed Document Type: Technical Workplan
Completed Date: 02/22/2007
Comments: Additional Soil Gas investigation was implemented on the site.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization Report
Completed Date: 03/01/2007
Comments: Results were evaluated and approved by DTSC TOX, Geologist & PM.

Completed Area Name: Onsite
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Completion Report
Completed Date: 10/17/2008
Comments: Closure report approved.

Completed Area Name: Off-Site
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Investigation Report
Completed Date: 12/21/2012
Comments: Report was approved.

Completed Area Name: Onsite
Completed Sub Area Name: Not reported
Completed Document Type: Certification
Completed Date: 01/06/2009
Comments: site was certified.

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

VCP:
Name: SO CAL GAS/LA-ALAMEDA MGP
Address: 725 CHANNING STREET
City,State,Zip: LOS ANGELES, CA 90021
Facility ID: 19490227
Site Type: Voluntary Cleanup
Site Type Detail: Voluntary Agreement
Site Mgmt. Req.: NONE SPECIFIED
Acres: 2.5
National Priorities List: NO
Cleanup Oversight Agencies: SMBRP
Lead Agency: SMBRP
Lead Agency Description: DTSC - Site Cleanup Program
Project Manager: Not reported
Supervisor: Javier Hinojosa
Division Branch: Cleanup Chatsworth
Site Code: 301066
Assembly: 53

FARMERS PRODUCE PROJECT INC (Continued) **S101584054**

Senate:	24
Special Programs Code:	Voluntary Agreement - Standard Voluntary Agreement
Status:	Certified
Status Date:	06/24/2014
Restricted Use:	NO
Funding:	Responsible Party
Lat/Long:	34.03432 / -118.2380
APN:	NONE SPECIFIED
Past Use:	MANUFACTURED GAS PLANT
Potential COC:	10062, 10064, 10097, 10197, 20015, 20017, 20027, 30001, 30013, 30160, 30019
Confirmed COC:	,,
Potential Description:	OTH, SOIL
Alias Name:	ALAMEDA MANUFACTURED GAS PLANT
Alias Type:	Alternate Name
Alias Name:	CONSUMERS GAS, LIGHT, HEAT AND POWER CO.
Alias Type:	Alternate Name
Alias Name:	KELCO OIL & PROPANE GAS STATION
Alias Type:	Alternate Name
Alias Name:	LA MANUFACTURED GAS PLANT/ALAMEDA STREET
Alias Type:	Alternate Name
Alias Name:	LOS ANGELES GAS AND ELECTRIC CO
Alias Type:	Alternate Name
Alias Name:	LOS ANGELES LIGHTING CO.
Alias Type:	Alternate Name
Alias Name:	LOS ANGELES TOWNE GAS PLANT/ALAMEDA ST
Alias Type:	Alternate Name
Alias Name:	SOUTHERN CALIFORNIA GAS
Alias Type:	Alternate Name
Alias Name:	SOUTHERN CALIFORNIA GAS - LA MGP/ALAMEDA
Alias Type:	Alternate Name
Alias Name:	SOUTHERN CALIFORNIA GAS COMPANY
Alias Type:	Alternate Name
Alias Name:	UNITED CRATES COMPANY
Alias Type:	Alternate Name
Alias Name:	110033615675
Alias Type:	EPA (FRS #)
Alias Name:	301066
Alias Type:	Project Code (Site Code)
Alias Name:	19490227
Alias Type:	Envirostor ID Number

Completed Info:

Completed Area Name:	Off-Site
Completed Sub Area Name:	Not reported
Completed Document Type:	Technical Workplan
Completed Date:	08/11/2010
Comments:	Workplan approved.
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Standard Voluntary Agreement
Completed Date:	04/26/2001
Comments:	Not reported
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	CEQA - Initial Study/ Neg. Declaration

FARMERS PRODUCE PROJECT INC (Continued) **S101584054**

Completed Date: 03/18/2003
Comments: Special Initial Study, Negative Declaration, and De Minimis Impact Finding were prepared and made available for public review. No verbal or written comments were received. DTSC approved the CEQA documents on 3/18/2003. DTSC approved RAW on 3/18/03. Proposed removal activities consists of removing approximately 615 cubic yards of contaminated soil. Chemicals of potential concern previously identified in the soil include the following: Lampslack, PAH's, and BTEX. Removal Activities are anticipated to last approximately 30 days.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Workplan
Completed Date: 05/05/2004
Comments: SRAW approved.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Workplan
Completed Date: 12/04/2002
Comments: Removal Action Workplan Approved

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Report
Completed Date: 12/31/2002
Comments: DTSC approved site characterization activities in December 2002. Contaminants of concern included PAH's & BTEX. A RAW involving excavation will be implemented for the Site.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Report
Completed Date: 05/20/1993
Comments: The Department completed review of the PEA. A Manufactured Gas Plant (MGP) was operated at the site in the late 1800s and early 1900s. Gas was produced from crude oil for distribution in the site area.
Several companies operated at the site. In 1909, the site was owned by the Los Angeles Gas and Electric Corp., which merged with the Southern California Gas Company in 1937. SoCalGas owned the property until 1976, and sold to the current owners. The MGP was dismantled sometime before 1906. The byproducts from the manufactured gas operation were tars, oils, sludges, and lampblack. Elevated levels of polycyclic aromatic hydro- carbons (PAH), heavy metals such as lead and arsenic and cyanides were found at the site. The PEA concluded that there was contamination at the site above screening values. Therefore, the Department recommended that further investigation or assessment at the site was necessary.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Screening
Completed Date: 04/08/1992
Comments: Not reported

Completed Area Name: PROJECT WIDE

FARMERS PRODUCE PROJECT INC (Continued) **S101584054**

Completed Sub Area Name: Not reported
Completed Document Type: Fieldwork
Completed Date: 03/06/2007
Comments: Field work was accomplished.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fieldwork
Completed Date: 01/06/2014
Comments: During the site visit I observed that contractors for the Gas Co. had completed the excavation of lamp black along the western/southern corner property boundary and were in the process of restoring the planters and parking lot spaces.

Completed Area Name: Off-Site
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Workplan
Completed Date: 01/28/2013
Comments: Not reported

Completed Area Name: Off-Site
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Completion Report
Completed Date: 06/27/2014
Comments: RACR Approved

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 09/24/2013
Comments: Letter sent out

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Workplan
Completed Date: 02/22/2007
Comments: Additional Soil Gas investigation was implemented on the site.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization Report
Completed Date: 03/01/2007
Comments: Results were evaluated and approved by DTSC TOX, Geologist & PM.

Completed Area Name: Onsite
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Completion Report
Completed Date: 10/17/2008
Comments: Closure report approved.

Completed Area Name: Off-Site
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Investigation Report
Completed Date: 12/21/2012
Comments: Report was approved.

Completed Area Name: Onsite

FARMERS PRODUCE PROJECT INC (Continued) **S101584054**

Completed Sub Area Name:	Not reported
Completed Document Type:	Certification
Completed Date:	01/06/2009
Comments:	site was certified.
Future Area Name:	Not reported
Future Sub Area Name:	Not reported
Future Document Type:	Not reported
Future Due Date:	Not reported
Schedule Area Name:	Not reported
Schedule Sub Area Name:	Not reported
Schedule Document Type:	Not reported
Schedule Due Date:	Not reported
Schedule Revised Date:	Not reported

SWEEPS UST:

Name:	FARMERS PRODUCE PROJECT INC
Address:	725 CHANNING ST
City:	LOS ANGELES
Status:	Not reported
Comp Number:	7314
Number:	Not reported
Board Of Equalization:	Not reported
Referral Date:	Not reported
Action Date:	Not reported
Created Date:	Not reported
Owner Tank Id:	Not reported
SWRCB Tank Id:	Not reported
Tank Status:	Not reported
Capacity:	Not reported
Active Date:	Not reported
Tank Use:	Not reported
STG:	Not reported
Content:	Not reported
Number Of Tanks:	0

CA FID UST:

Facility ID:	19008153
Regulated By:	UTNKI
Regulated ID:	Not reported
Cortese Code:	Not reported
SIC Code:	Not reported
Facility Phone:	2130000000
Mail To:	Not reported
Mailing Address:	725 CHANNING ST
Mailing Address 2:	Not reported
Mailing City,St,Zip:	LOS ANGELES 900230000
Contact:	Not reported
Contact Phone:	Not reported
DUNs Number:	Not reported
NPDES Number:	Not reported
EPA ID:	Not reported
Comments:	Not reported
Status:	Inactive

FARMERS PRODUCE PROJECT INC (Continued) **S101584054**

NPDES:

Name:	SOUTHLAND PALLET
Address:	725 CHANNING ST
City,State,Zip:	LOS ANGELES, CA 90021
Facility Status:	Not reported
NPDES Number:	Not reported
Region:	Not reported
Agency Number:	Not reported
Regulatory Measure ID:	Not reported
Place ID:	Not reported
Order Number:	Not reported
WDID:	4 19IN600248
Regulatory Measure Type:	Industrial
Program Type:	Not reported
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Discharge Address:	Not reported
Discharge Name:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
Status:	Undetermined
Status Date:	02/24/2010
Operator Name:	Not available - Nonfiler Organization
Operator Address:	Not reported
Operator City:	Not reported
Operator State:	Not reported
Operator Zip:	Not reported

K47 **UST** **U004304114**
NNW **710 TERMINAL ST** **N/A**
< 1/8 **LOS ANGELES, CA**
0.081 mi.
428 ft. **Site 1 of 5 in cluster K**

Relative: LOS ANGELES UST:
Higher

Actual: Name:	Not reported
250 ft. Address:	710 TERMINAL ST
City,State,Zip:	LOS ANGELES, CA
Facility ID:	Not reported
Last Run Date:	01/01/1900
Status:	HISTORICAL

E48 **TEXACO TRUCK STOP (FORMER)** **LUST** **S102438820**
NNW **1345 007TH ST E** **Cortese** **N/A**
< 1/8 **LOS ANGELES, CA 90021** **HIST CORTESE**
0.084 mi. **CERS**
444 ft. **Site 9 of 10 in cluster E**

Relative: LUST:
Higher

Actual: Name:	TEXACO TRUCK STOP (FORMER)
251 ft. Address:	1345 007TH ST E
City,State,Zip:	LOS ANGELES, CA 90021
Lead Agency:	LOS ANGELES RWQCB (REGION 4)

TEXACO TRUCK STOP (FORMER) (Continued) **S102438820**

Case Type:	LUST Cleanup Site
Geo Track:	http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0603700645
Global Id:	T0603700645
Latitude:	34.036138
Longitude:	-118.239976
Status:	Completed - Case Closed
Status Date:	03/06/1998
Case Worker:	AT
RB Case Number:	900210052
Local Agency:	LOS ANGELES, CITY OF
File Location:	Not reported
Local Case Number:	Not reported
Potential Media Affect:	Aquifer used for drinking water supply
Potential Contaminants of Concern:	Other Solvent or Non-Petroleum Hydrocarbon
Site History:	Not reported

LUST:

Global Id:	T0603700645
Contact Type:	Regional Board Caseworker
Contact Name:	ARMAN TOUMARI
Organization Name:	LOS ANGELES RWQCB (REGION 4)
Address:	320 WEST 4TH STREET, SUITE 200
City:	LOS ANGELES
Email:	atoumari@waterboards.ca.gov
Phone Number:	2135766708

Global Id:	T0603700645
Contact Type:	Local Agency Caseworker
Contact Name:	ELOY LUNA
Organization Name:	LOS ANGELES, CITY OF
Address:	200 North Main Street, Suite 1780
City:	LOS ANGELES
Email:	eloy.luna@lacity.org
Phone Number:	Not reported

LUST:

Global Id:	T0603700645
Action Type:	Other
Date:	07/22/1992
Action:	Leak Discovery

Global Id:	T0603700645
Action Type:	ENFORCEMENT
Date:	12/12/1997
Action:	* Historical Enforcement

Global Id:	T0603700645
Action Type:	ENFORCEMENT
Date:	03/06/1998
Action:	Closure/No Further Action Letter

Global Id:	T0603700645
Action Type:	Other
Date:	07/22/1992
Action:	Leak Reported

Global Id: T0603700645

TEXACO TRUCK STOP (FORMER) (Continued) **S102438820**

Action Type: Other
Date: 09/27/1994
Action: Leak Stopped

LUST:
Global Id: T0603700645
Status: Open - Case Begin Date
Status Date: 07/22/1992

Global Id: T0603700645
Status: Open - Site Assessment
Status Date: 07/22/1992

Global Id: T0603700645
Status: Open - Site Assessment
Status Date: 11/01/1995

Global Id: T0603700645
Status: Open - Site Assessment
Status Date: 05/21/1997

Global Id: T0603700645
Status: Completed - Case Closed
Status Date: 03/06/1998

LUST REG 4:
Region: 4
Regional Board: 04
County: Los Angeles
Facility Id: 900210052
Status: Case Closed
Substance: Hydrocarbons
Substance Quantity: Not reported
Local Case No: Not reported
Case Type: Groundwater
Abatement Method Used at the Site: Not reported
Global ID: T0603700645
W Global ID: Not reported
Staff: AT
Local Agency: 19050
Cross Street: ALAMEDA
Enforcement Type: EF
Date Leak Discovered: 7/22/1992
Date Leak First Reported: 7/22/1992
Date Leak Record Entered: 11/15/1995
Date Confirmation Began: 7/22/1992
Date Leak Stopped: 9/27/1994
Date Case Last Changed on Database: 4/22/1998
Date the Case was Closed: 3/6/1998
How Leak Discovered: OM
How Leak Stopped: Not reported
Cause of Leak: Overfill
Leak Source: Tank
Operator: OLD CASE #951115-02
Water System: Not reported

TEXACO TRUCK STOP (FORMER) (Continued) **S102438820**

Well Name:	Not reported
Approx. Dist To Production Well (ft):	4954.001570850722063155501820 6
Source of Cleanup Funding:	Tank
Preliminary Site Assessment Workplan Submitted:	11/1/1995
Preliminary Site Assessment Began:	Not reported
Pollution Characterization Began:	5/21/1997
Remediation Plan Submitted:	Not reported
Remedial Action Underway:	Not reported
Post Remedial Action Monitoring Began:	Not reported
Enforcement Action Date:	12/12/1997
Historical Max MTBE Date:	Not reported
Hist Max MTBE Conc in Groundwater:	Not reported
Hist Max MTBE Conc in Soil:	Not reported
Significant Interim Remedial Action Taken:	Not reported
GW Qualifier:	Not reported
Soil Qualifier:	Not reported
Organization:	Not reported
Owner Contact:	Not reported
Responsible Party:	LEVILOFF REFEREESHIP
RP Address:	540 CONTINENTAL COURT, PASADENA CA 91103-3511
Program:	LUST
Lat/Long:	34.036138 / -1
Local Agency Staff:	PEJ
Beneficial Use:	Not reported
Priority:	Not reported
Cleanup Fund Id:	Not reported
Suspended:	Not reported
Assigned Name:	Not reported
Summary:	04/06/98 GW/VAPOR MON WELL ABANDONMENT

CORTESE:

Name:	TEXACO TRUCK STOP (FORMER)
Address:	1345 007TH ST E
City,State,Zip:	LOS ANGELES, CA 90021
Region:	CORTESE
Envirostor Id:	Not reported
Global ID:	T0603700645
Site/Facility Type:	LUST CLEANUP SITE
Cleanup Status:	COMPLETED - CASE CLOSED
Status Date:	Not reported
Site Code:	Not reported
Latitude:	Not reported
Longitude:	Not reported
Owner:	Not reported
Enf Type:	Not reported
Swat R:	Not reported
Flag:	active
Order No:	Not reported
Waste Discharge System No:	Not reported
Effective Date:	Not reported
Region 2:	Not reported
WID Id:	Not reported
Solid Waste Id No:	Not reported
Waste Management Uit Name:	Not reported
File Name:	Active Open

TEXACO TRUCK STOP (FORMER) (Continued) **S102438820**

HIST CORTESE:
- edr_fname: TEXACO TRUCK STOP (FORMER
- edr_fadd1: 1345 007TH
- City,State,Zip: LOS ANGELES, CA 90017
- Region: CORTESE
- Facility County Code: 19
- Reg By: LTNKA
- Reg Id: 900210052

CERS:
- Name: TEXACO TRUCK STOP (FORMER)
- Address: 1345 007TH ST E
- City,State,Zip: LOS ANGELES, CA 90021
- Site ID: 240960
- CERS ID: T0603700645
- CERS Description: Leaking Underground Storage Tank Cleanup Site

Affiliation:
- Affiliation Type Desc: Regional Board Caseworker
- Entity Name: ARMAN TOUMARI - LOS ANGELES RWQCB (REGION 4)
- Entity Title: Not reported
- Affiliation Address: 320 WEST 4TH STREET, SUITE 200
- Affiliation City: LOS ANGELES
- Affiliation State: CA
- Affiliation Country: Not reported
- Affiliation Zip: Not reported
- Affiliation Phone: 2135766708,

- Affiliation Type Desc: Local Agency Caseworker
- Entity Name: ELOY LUNA - LOS ANGELES, CITY OF
- Entity Title: Not reported
- Affiliation Address: 200 North Main Street, Suite 1780
- Affiliation City: LOS ANGELES
- Affiliation State: CA
- Affiliation Country: Not reported
- Affiliation Zip: Not reported
- Affiliation Phone: ,

E49 **NEWMAN GERTRUDE MRS** **EDR Hist Auto** **1009077309**
North **1339 E 7TH ST** **N/A**
< 1/8 **LOS ANGELES, CA**
0.089 mi.
470 ft. **Site 10 of 10 in cluster E**

Relative: EDR Hist Auto
Higher

Actual: **252 ft.**

Year:	Name:	Type:
1924	HYDEN C D	AUTOMOBILE SERVICE STATIONS
1942	NEWMAN GERTRUDE MRS	GASOLINE AND OIL SERVICE STATIONS

L50
NW
< 1/8
0.089 mi.
472 ft.

S E RYKOFF & CO
737 S TERMINAL ST
LOS ANGELES, CA 90021

Site 1 of 8 in cluster L

UST **U004305396**
N/A

Relative:
Higher

Actual:
248 ft.

LOS ANGELES UST:

Name:	S E RYKOFF & CO
Address:	737 S TERMINAL ST
City,State,Zip:	LOS ANGELES, CA 90021
Facility ID:	FA0001269
Last Run Date:	11/01/2022
Status:	INACTIVE

L51
NW
< 1/8
0.089 mi.
472 ft.

UNITED SIGNATURE FOODS
737 TERMINAL ST
LOS ANGELES, CA 90021

Site 2 of 8 in cluster L

RCRA-SQG **1000130321**
CAD981368277

Relative:
Higher

Actual:
248 ft.

RCRA Listings:

Date Form Received by Agency:	19981103
Handler Name:	UNITED SIGNATURE FOODS
Handler Address:	737 TERMINAL ST
Handler City,State,Zip:	LOS ANGELES, CA 90021-0903
EPA ID:	CAD981368277
Contact Name:	KENNETH TAFF
Contact Address:	737 TERMINAL ST
Contact City,State,Zip:	LOS ANGELES, CA 90021-0903
Contact Telephone:	213-622-4131
Contact Fax:	Not reported
Contact Email:	Not reported
Contact Title:	Not reported
EPA Region:	09
Land Type:	Private
Federal Waste Generator Description:	Small Quantity Generator
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Handler Activities
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	737 TERMINAL ST
Mailing City,State,Zip:	LOS ANGELES, CA 90021-0903
Owner Name:	UNITED SIGNATURE FOODS LLC
Owner Type:	Private
Operator Name:	NOT REQUIRED
Operator Type:	Private
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No

UNITED SIGNATURE FOODS (Continued) **1000130321**

Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	NN
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required: Not reported	
Handler Date of Last Change:	20021007
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	Not reported
Manifest Broker:	Not reported
Sub-Part P Indicator:	No

Hazardous Waste Summary:

Waste Code:	D001
Waste Description:	IGNITABLE WASTE
Waste Code:	D002
Waste Description:	CORROSIVE WASTE

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name:	UNITED SIGNATURE FOODS LLC
Legal Status:	Private

UNITED SIGNATURE FOODS (Continued) **1000130321**

Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	737 TERMINAL ST
Owner/Operator City,State,Zip:	LOS ANGELES, CA 90021-0903
Owner/Operator Telephone:	213-622-4131
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Operator
Owner/Operator Name: NOT REQUIRED	
Legal Status:	Private
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	NOT REQUIRED
Owner/Operator City,State,Zip:	NOT REQUIRED, ME 99999
Owner/Operator Telephone:	415-555-1212
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	19981103
Handler Name: UNITED SIGNATURE FOODS	
Federal Waste Generator Description:	Small Quantity Generator
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported
Receive Date:	19920129
Handler Name: S E RYKOFF & CO	
Federal Waste Generator Description:	Large Quantity Generator
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	No
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported
Receive Date:	19990415
Handler Name: S.E. RYKOFF AND CO.	
Federal Waste Generator Description:	Large Quantity Generator
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No

UNITED SIGNATURE FOODS (Continued) **1000130321**

Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Code: 311225
NAICS Description: FATS AND OILS REFINING AND BLENDING

NAICS Code: 311999
NAICS Description: ALL OTHER MISCELLANEOUS FOOD MANUFACTURING

NAICS Code: 32211
NAICS Description: PULP MILLS

NAICS Code: 325611
NAICS Description: SOAP AND OTHER DETERGENT MANUFACTURING

NAICS Code: 339999
NAICS Description: ALL OTHER MISCELLANEOUS MANUFACTURING

NAICS Code: 56171
NAICS Description: EXTERMINATING AND PEST CONTROL SERVICES

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

L52 **S E RYKOFF & CO** **HAZMAT** **S123541748**
NW **737 S TERMINAL ST** **N/A**
< 1/8 **LOS ANGELES, CA 90021**
0.089 mi.
472 ft. **Site 3 of 8 in cluster L**

Relative: Higher
Actual: 248 ft.

LOS ANGELES HM:
Name: S E RYKOFF & CO
Address: 737 S TERMINAL ST
City,State,Zip: LOS ANGELES, CA 90021
Facility ID: FA0001269
Last Run Date: 11/01/2022
Status: INACTIVE

Name: S E RYKOFF & CO
Address: 737 S TERMINAL ST
City,State,Zip: LOS ANGELES, CA 90021
Facility ID: FA0001269
Last Run Date: 11/01/2022
Status: INACTIVE

Name: S E RYKOFF & CO
Address: 737 S TERMINAL ST
City,State,Zip: LOS ANGELES, CA 90021
Facility ID: FA0001269
Last Run Date: 11/01/2022

S E RYKOFF & CO (Continued) **S123541748**

Status: INACTIVE

Name: S E RYKOFF & CO
Address: 737 S TERMINAL ST
City,State,Zip: LOS ANGELES, CA 90021
Facility ID: FA0001269
Last Run Date: 11/01/2022
Status: INACTIVE

Name: S E RYKOFF & CO
Address: 737 S TERMINAL ST
City,State,Zip: LOS ANGELES, CA 90021
Facility ID: FA0001269
Last Run Date: 11/01/2022
Status: INACTIVE

Name: S E RYKOFF & CO
Address: 737 S TERMINAL ST
City,State,Zip: LOS ANGELES, CA 90021
Facility ID: FA0001269
Last Run Date: 11/01/2022
Status: INACTIVE

L53 **UST** **U004304414**
WNW **761 TERMINAL ST** **N/A**
< 1/8 **LOS ANGELES, CA**
0.093 mi.
490 ft. **Site 4 of 8 in cluster L**

Relative: LOS ANGELES UST:
Higher
Actual: Name: Not reported
247 ft. Address: 761 TERMINAL ST
City,State,Zip: LOS ANGELES, CA
Facility ID: Not reported
Last Run Date: 01/01/1900
Status: HISTORICAL

L54 **S E RYKOFF & CO** **UST** **U004307510**
WNW **761 S TERMINAL ST** **N/A**
< 1/8 **LOS ANGELES, CA 90021**
0.093 mi.
490 ft. **Site 5 of 8 in cluster L**

Relative: LOS ANGELES UST:
Higher
Actual: Name: S E RYKOFF & CO
247 ft. Address: 761 S TERMINAL ST
City,State,Zip: LOS ANGELES, CA 90021
Facility ID: FA0032999
Last Run Date: 11/01/2022
Status: INACTIVE

L55
WNW
< 1/8
0.093 mi.
490 ft.

S E RYKOFF CO
761 TERMINAL ST
LOS ANGELES, CA 90021

Site 6 of 8 in cluster L

RCRA-SQG **1000130322**
HIST UST **CAD981392095**

Relative:
Higher

Actual:
247 ft.

RCRA Listings:

Date Form Received by Agency:		19860319
Handler Name:	S E RYKOFF CO	
Handler Address:		761 TERMINAL ST
Handler City,State,Zip:		LOS ANGELES, CA 90021
EPA ID:		CAD981392095
Contact Name:		ENVIRONMENTAL MANAGER
Contact Address:		761 TERMINAL ST
Contact City,State,Zip:		LOS ANGELES, CA 90021
Contact Telephone:		213-622-4131
Contact Fax:		Not reported
Contact Email:		Not reported
Contact Title:		Not reported
EPA Region:		09
Land Type:		Other
Federal Waste Generator Description:		Small Quantity Generator
Non-Notifier:		Not reported
Biennial Report Cycle:		Not reported
Accessibility:		Not reported
Active Site Indicator:		Handler Activities
State District Owner:		CA
State District:		4R
Mailing Address:		761 TERMINAL ST
Mailing City,State,Zip:		LOS ANGELES, CA 90021
Owner Name:	UNION TERMINAL WHSE	
Owner Type:		Private
Operator Name:	NOT REQUIRED	
Operator Type:		Private
Short-Term Generator Activity:		No
Importer Activity:		No
Mixed Waste Generator:		No
Transporter Activity:		No
Transfer Facility Activity:		No
Recycler Activity with Storage:		No
Small Quantity On-Site Burner Exemption:		No
Smelting Melting and Refining Furnace Exemption:		No
Underground Injection Control:		No
Off-Site Waste Receipt:		No
Universal Waste Indicator:		No
Universal Waste Destination Facility:		No
Federal Universal Waste:		No
Active Site Fed-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site Converter Treatment storage and Disposal Facility:		Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site State-Reg Handler:		---
Federal Facility Indicator:		Not reported
Hazardous Secondary Material Indicator:		NN
Sub-Part K Indicator:		Not reported
Commercial TSD Indicator:		No
Treatment Storage and Disposal Type:		Not reported
2018 GPRA Permit Baseline:		Not on the Baseline
2018 GPRA Renewals Baseline:		Not on the Baseline
Permit Renewals Workload Universe:		Not reported

S E RYKOFF CO (Continued) **1000130322**

Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required: Not reported	
Handler Date of Last Change:	20020627
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	Not reported
Manifest Broker:	Not reported
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Operator
Owner/Operator Name: NOT REQUIRED	
Legal Status:	Private
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	NOT REQUIRED
Owner/Operator City,State,Zip:	NOT REQUIRED, ME 99999
Owner/Operator Telephone:	415-555-1212
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Owner
Owner/Operator Name: UNION TERMINAL WHSE	
Legal Status:	Private
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	NOT REQUIRED
Owner/Operator City,State,Zip:	NOT REQUIRED, ME 99999
Owner/Operator Telephone:	415-555-1212
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

S E RYKOFF CO (Continued) **1000130322**

Historic Generators:
- Receive Date: 19860319
- Handler Name: S E RYKOFF CO
- Federal Waste Generator Description: Small Quantity Generator
- State District Owner: CA
- Large Quantity Handler of Universal Waste: No
- Recognized Trader Importer: No
- Recognized Trader Exporter: No
- Spent Lead Acid Battery Importer: No
- Spent Lead Acid Battery Exporter: No
- Current Record: Yes
- Non Storage Recycler Activity: Not reported
- Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
- NAICS Code: 311999
- NAICS Description: ALL OTHER MISCELLANEOUS FOOD MANUFACTURING

Facility Has Received Notices of Violations:
- Violations: No Violations Found

Evaluation Action Summary:
- Evaluations: No Evaluations Found

HIST UST:
- Name: S. E. RYKOFF & CO.
- Address: 761 TERMINAL ST
- City,State,Zip: LOS ANGELES, CA 90021
- File Number: Not reported
- URL: Not reported
- Region: STATE
- Facility ID: 00000017283
- Facility Type: Other
- Other Type: Not reported
- Contact Name: Not reported
- Telephone: 2136224131
- Owner Name: S. E. RYKOFF & CO.
- Owner Address: 761 TERMINAL ST.
- Owner City,St,Zip: LOS ANGELES, CA 90021
- Total Tanks: 0002

- Tank Num: 001
- Container Num: 01
- Year Installed: 1984
- Tank Capacity: 00012000
- Tank Used for: PRODUCT
- Type of Fuel: DIESEL
- Container Construction Thickness: 1/4
- Leak Detection: Vapor Sniff Well, Sensor Instrument, Groundwater Monitoring Well

- Tank Num: 002
- Container Num: 02
- Year Installed: 1984
- Tank Capacity: 00012000

S E RYKOFF CO (Continued) **1000130322**

Tank Used for:	PRODUCT
Type of Fuel:	DIESEL
Container Construction Thickness:	1/4
Leak Detection:	Vapor Sniff Well, Sensor Instrument, Groundwater Monitoring Well

---

L56 **S E RYKOFF & COMPANY** **SWEEPS UST** **S101584535**
WNW **761 TERMINAL ST** **HIST UST** **N/A**
< 1/8 **LOS ANGELES, CA 90021** **CA FID UST**
0.093 mi. **HAZNET**
490 ft. **Site 7 of 8 in cluster L** **HWTS**

Relative:
Higher

Actual:
247 ft.

SWEEPS UST:

Name:	S E RYKOFF & COMPANY
Address:	761 TERMINAL ST
City:	LOS ANGELES
Status:	Active
Comp Number:	1162
Number:	1
Board Of Equalization:	44-011638
Referral Date:	02-24-93
Action Date:	02-24-93
Created Date:	02-29-88
Owner Tank Id:	Not reported
SWRCB Tank Id:	19-050-001162-000001
Tank Status:	A
Capacity:	12000
Active Date:	04-20-88
Tank Use:	M.V. FUEL
STG:	P
Content:	DIESEL
Number Of Tanks:	2

Name:	S E RYKOFF & COMPANY
Address:	761 TERMINAL ST
City:	LOS ANGELES
Status:	Active
Comp Number:	1162
Number:	1
Board Of Equalization:	44-011638
Referral Date:	02-24-93
Action Date:	02-24-93
Created Date:	02-29-88
Owner Tank Id:	Not reported
SWRCB Tank Id:	19-050-001162-000002
Tank Status:	A
Capacity:	12000
Active Date:	04-20-88
Tank Use:	M.V. FUEL
STG:	P
Content:	DIESEL
Number Of Tanks:	Not reported

HIST UST:

Name:	S E RYKOFF AND CO
Address:	761 TERMINAL ST
City,State,Zip:	LOS ANGELES, CA 90021
File Number:	00028110

S E RYKOFF & COMPANY (Continued) **S101584535**

URL:	https://documents.geotracker.waterboards.ca.gov/ustpdfs/pdf/00028110.pdf
Region:	Not reported
Facility ID:	Not reported
Facility Type:	Not reported
Other Type:	Not reported
Contact Name:	Not reported
Telephone:	Not reported
Owner Name:	Not reported
Owner Address:	Not reported
Owner City,St,Zip:	Not reported
Total Tanks:	Not reported
Tank Num:	Not reported
Container Num:	Not reported
Year Installed:	Not reported
Tank Capacity:	Not reported
Tank Used for:	Not reported
Type of Fuel:	Not reported
Container Construction Thickness:	Not reported
Leak Detection:	Not reported

Click here for Geo Tracker PDF:

CA FID UST:

Facility ID:	19012492
Regulated By:	UTNKA
Regulated ID:	00017283
Cortese Code:	Not reported
SIC Code:	Not reported
Facility Phone:	2136224131
Mail To:	Not reported
Mailing Address:	761 TERMINAL ST
Mailing Address 2:	Not reported
Mailing City,St,Zip:	LOS ANGELES 900210000
Contact:	Not reported
Contact Phone:	Not reported
DUNs Number:	Not reported
NPDES Number:	Not reported
EPA ID:	Not reported
Comments:	Not reported
Status:	Active

HAZNET:

Name:	ALAMEDA PRODUCE MARKET LLC
Address:	761 TERMINAL ST
Address 2:	Not reported
City,State,Zip:	LOS ANGELES, CA 900211100
Contact:	BLAIR SORBY
Telephone:	2132909645
Mailing Name:	Not reported
Mailing Address:	1318 E 7TH ST FL 2
Year:	2015
Gepaid:	CAC002819941
TSD EPA ID:	CAD982444481
CA Waste Code:	331 - Off-specification, aged or surplus organics

S E RYKOFF & COMPANY (Continued) **S101584535**

Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	1.3445
Year:	2015
Gepaid:	CAC002819941
TSD EPA ID:	CAD982444481
CA Waste Code:	512 - Other empty containers 30 gallons or more
Disposal Method:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Tons:	0.035
Year:	2015
Gepaid:	CAC002819941
TSD EPA ID:	CAD009007626
CA Waste Code:	151 - Asbestos containing waste
Disposal Method:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Tons:	4.6
Year:	2015
Gepaid:	CAC002819941
TSD EPA ID:	CAD982444481
CA Waste Code:	352 - Other organic solids
Disposal Method:	H010 - Metals Recovery Including Retoring,Smelting,Chemicals,Ect
Tons:	0.7

Additional Info:

Year:	2015
Gen EPA ID:	CAC002819941
Shipment Date:	20150827
Creation Date:	11/5/2015 22:15:27
Receipt Date:	20150827
Manifest ID:	008704573FLE
Trans EPA ID:	CAR000049064
Trans Name:	ECTI
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD009007626
Trans Name:	AZUSA LAND RECLAMATION
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	151 - Asbestos-containing waste
RCRA Code:	Not reported
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	4.6
Waste Quantity:	20
Quantity Unit:	Y
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

S E RYKOFF & COMPANY (Continued) **S101584535**

Shipment Date:	20150820
Creation Date:	11/3/2015 22:15:18
Receipt Date:	20150824
Manifest ID:	009491239JJK
Trans EPA ID:	CAR000164616
Trans Name:	MAJOR CLEANUP INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD982444481
Trans Name:	FILTER RECYCLING
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.8
Waste Quantity:	1600
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20150820
Creation Date:	11/3/2015 22:15:18
Receipt Date:	20150824
Manifest ID:	009491241JJK
Trans EPA ID:	CAR000164616
Trans Name:	MAJOR CLEANUP INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD982444481
Trans Name:	FILTER RECYCLING
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	512 - Other empty containers 30 gallons or more
RCRA Code:	Not reported
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	0.015
Waste Quantity:	30
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20150820
Creation Date:	11/3/2015 22:15:18
Receipt Date:	20150824
Manifest ID:	009491241JJK
Trans EPA ID:	CAR000164616
Trans Name:	MAJOR CLEANUP INC
Trans 2 EPA ID:	Not reported

S E RYKOFF & COMPANY (Continued) **S101584535**

Trans 2 Name:	Not reported
TSDF EPA ID:	CAD982444481
Trans Name:	FILTER RECYCLING
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	512 - Other empty containers 30 gallons or more
RCRA Code:	Not reported
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	0.02
Waste Quantity:	40
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20150820
Creation Date:	11/3/2015 22:15:18
Receipt Date:	20150824
Manifest ID:	009491239JJK
Trans EPA ID:	CAR000164616
Trans Name:	MAJOR CLEANUP INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD982444481
Trans Name:	FILTER RECYCLING
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.5445
Waste Quantity:	165
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20150820
Creation Date:	11/3/2015 22:15:18
Receipt Date:	20150824
Manifest ID:	009491239JJK
Trans EPA ID:	CAR000164616
Trans Name:	MAJOR CLEANUP INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD982444481
Trans Name:	FILTER RECYCLING
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported

S E RYKOFF & COMPANY (Continued) **S101584535**

Meth Code:	H010 - Metals Recovery Including Retoring,Smelting,Chemicals,Ect
Quantity Tons:	0.7
Waste Quantity:	1400
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

HWTS:

Name:	ALAMEDA PRODUCE MARKET LLC
Address:	761 TERMINAL ST
Address 2:	Not reported
City,State,Zip:	LOS ANGELES, CA 90021
EPA ID:	CAC002819941
Inactive Date:	09/25/2015
Create Date:	06/26/2015
Last Act Date:	Not reported
Mailing Name:	Not reported
Mailing Address:	1318 E 7TH ST FL 2
Mailing Address 2:	Not reported
Mailing City,State,Zip:	LOS ANGELES, CA 900211114
Owner Name:	ALAMEDA SQUARE OWNER, LLC
Owner Address:	1318 E 7TH ST FL 2
Owner Address 2:	Not reported
Owner City,State,Zip:	LOS ANGELES, CA 900211114
Contact Name:	ANDREA RAMELLA
Contact Address:	1318 E 7TH ST FL 2
Contact Address 2:	Not reported
City,State,Zip:	LOS ANGELES, CA 90021
Facility Status:	Inactive
Facility Type:	TEMPORARY
Category:	STATE
Latitude:	34.033408
Longitude:	-118.240978

NAICS:

EPA ID:	CAC002819941
Create Date:	2015-06-26 12:59:42.850
NAICS Code:	99999
NAICS Description:	Not Otherwise Specified
Issued EPA ID Date:	2015-06-26 12:59:42.85000
Inactive Date:	2015-09-25 12:59:42.85000
Facility Name:	ALAMEDA PRODUCE MARKET LLC
Facility Address:	761 TERMINAL ST
Facility Address 2:	Not reported
Facility City:	LOS ANGELES
Facility County:	Not reported
Facility State:	CA
Facility Zip:	900211100

L57
WNW
< 1/8
0.093 mi.
490 ft.

S E RYKOFF CO
761 TERMINAL ST
LOS ANGELES, CA 90021

Database(s): RCRA-SQG, FINDS, ECHO
EDR ID Number: 1000372818
EPA ID Number: CAD982349748

Site 8 of 8 in cluster L

Relative:
Higher

Actual:
247 ft.

RCRA Listings:

Date Form Received by Agency:		19871021
Handler Name:	SE RYKOFF	
Handler Address:		761 TERMINAL
Handler City,State,Zip:		LOS ANGELES, CA 90021
EPA ID:		CAD982349748
Contact Name:		ENVIRONMENTAL MANAGER
Contact Address:		761 TERMINAL
Contact City,State,Zip:		LOS ANGELES, CA 90021
Contact Telephone:		213-486-9195
Contact Fax:		Not reported
Contact Email:		Not reported
Contact Title:		Not reported
EPA Region:		09
Land Type:		Not reported
Federal Waste Generator Description:		Small Quantity Generator
Non-Notifier:		Not reported
Biennial Report Cycle:		Not reported
Accessibility:		Not reported
Active Site Indicator:		Handler Activities
State District Owner:		CA
State District:		4R
Mailing Address:		TERMINAL
Mailing City,State,Zip:		LOS ANGELES, CA 90021
Owner Name:	ROGER COLEMAN	
Owner Type:		Private
Operator Name:	NOT REQUIRED	
Operator Type:		Private
Short-Term Generator Activity:		No
Importer Activity:		No
Mixed Waste Generator:		No
Transporter Activity:		No
Transfer Facility Activity:		No
Recycler Activity with Storage:		No
Small Quantity On-Site Burner Exemption:		No
Smelting Melting and Refining Furnace Exemption:		No
Underground Injection Control:		No
Off-Site Waste Receipt:		No
Universal Waste Indicator:		No
Universal Waste Destination Facility:		No
Federal Universal Waste:		No
Active Site Fed-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site Converter Treatment storage and Disposal Facility:		Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site State-Reg Handler:		---
Federal Facility Indicator:		Not reported
Hazardous Secondary Material Indicator:		NN
Sub-Part K Indicator:		Not reported
Commercial TSD Indicator:		No
Treatment Storage and Disposal Type:		Not reported
2018 GPRA Permit Baseline:		Not on the Baseline
2018 GPRA Renewals Baseline:		Not on the Baseline
Permit Renewals Workload Universe:		Not reported

S E RYKOFF CO (Continued) **1000372818**

Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required: Not reported	
Handler Date of Last Change:	20000915
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	Not reported
Manifest Broker:	Not reported
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name: ROGER COLEMAN	
Legal Status:	Private
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	NOT REQUIRED
Owner/Operator City,State,Zip:	NOT REQUIRED, ME 99999
Owner/Operator Telephone:	415-555-1212
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name: NOT REQUIRED	
Legal Status:	Private
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	NOT REQUIRED
Owner/Operator City,State,Zip:	NOT REQUIRED, ME 99999
Owner/Operator Telephone:	415-555-1212
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

S E RYKOFF CO (Continued) **1000372818**

Historic Generators:
- Receive Date: 19871021
- Handler Name: SE RYKOFF
- Federal Waste Generator Description: Small Quantity Generator
- State District Owner: CA
- Large Quantity Handler of Universal Waste: No
- Recognized Trader Importer: No
- Recognized Trader Exporter: No
- Spent Lead Acid Battery Importer: No
- Spent Lead Acid Battery Exporter: No
- Current Record: Yes
- Non Storage Recycler Activity: Not reported
- Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
- NAICS Codes: No NAICS Codes Found

Facility Has Received Notices of Violations:
- Violations: No Violations Found

Evaluation Action Summary:
- Evaluations: No Evaluations Found

FINDS:
- Registry ID: 110002691908

Click Here for FRS Facility Detail Report:

Environmental Interest/Information System:
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:
- Envid: 1000372818
- Registry ID: 110002691908
- DFR URL: http://echo.epa.gov/detailed-facility-report?fid=110002691908
- Name: S E RYKOFF CO
- Address: 761 TERMINAL ST
- City,State,Zip: LOS ANGELES, CA 90021

M58
WSW
< 1/8
0.095 mi.
502 ft.

PLANTZ O H
1532 E 8TH ST
LOS ANGELES, CA

EDR Hist Auto **1009079630**
N/A

Site 1 of 3 in cluster M

Relative:
Lower

Actual:
244 ft.

EDR Hist Auto

Year:	Name:	Type:
1933	VAN ANDA PLANTZ	GASOLINE AND OIL SERVICE STATIONS
1942	PLANTZ O H	GASOLINE AND OIL SERVICE STATIONS

N59
South
< 1/8
0.095 mi.
503 ft.

MAP WAREHOUSE INC
800 MCGARRY ST
LOS ANGELES, CA 90021

SWEEPS UST **S101584525**
CA FID UST **N/A**

Site 1 of 4 in cluster N

Relative:
Lower

Actual:
243 ft.

SWEEPS UST:

Name:	MAP WAREHOUSE INC
Address:	800 MCGARRY ST
City:	LOS ANGELES
Status:	Not reported
Comp Number:	7311
Number:	Not reported
Board Of Equalization:	Not reported
Referral Date:	Not reported
Action Date:	Not reported
Created Date:	Not reported
Owner Tank Id:	Not reported
SWRCB Tank Id:	Not reported
Tank Status:	Not reported
Capacity:	Not reported
Active Date:	Not reported
Tank Use:	Not reported
STG:	Not reported
Content:	Not reported
Number Of Tanks:	Not reported

CA FID UST:

Facility ID:	19012327
Regulated By:	UTNKI
Regulated ID:	Not reported
Cortese Code:	Not reported
SIC Code:	Not reported
Facility Phone:	2130000000
Mail To:	Not reported
Mailing Address:	800 MCGARRY ST
Mailing Address 2:	Not reported
Mailing City,St,Zip:	LOS ANGELES 900210000
Contact:	Not reported
Contact Phone:	Not reported
DUNs Number:	Not reported
NPDES Number:	Not reported
EPA ID:	Not reported
Comments:	Not reported
Status:	Inactive

N60
South
< 1/8
0.095 mi.
503 ft.

800 S MC GARRY ST
LOS ANGELES, CA

Site 2 of 4 in cluster N

Relative:
Lower

Actual:
243 ft.

UST **U004304547**
N/A

LOS ANGELES UST:

Name:	Not reported
Address:	800 S MC GARRY ST
City,State,Zip:	LOS ANGELES, CA
Facility ID:	Not reported
Last Run Date:	01/01/1900
Status:	HISTORICAL

61
SSW
< 1/8
0.096 mi.
507 ft.

OLYMPIC PLATING AND POLIS
843 SO NAOMI AVE
LOS ANGELES, CA 90021

RCRA-SQG **1000302359**
RAATS **CAD008253205**
FINDS
ECHO

Relative:
Lower

Actual:
242 ft.

RCRA Listings:

Date Form Received by Agency:	19960901
Handler Name:	OLYMPIC PLATING AND POLIS
Handler Address:	843 SO NAOMI AVE
Handler City,State,Zip:	LOS ANGELES, CA 90021
EPA ID:	CAD008253205
Contact Name:	Not reported
Contact Address:	Not reported
Contact City,State,Zip:	Not reported
Contact Telephone:	Not reported
Contact Fax:	Not reported
Contact Email:	Not reported
Contact Title:	Not reported
EPA Region:	09
Land Type:	Not reported
Federal Waste Generator Description:	Small Quantity Generator
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Handler Activities
State District Owner:	CA
State District:	4R
Mailing Address:	SO NAOMI AVE
Mailing City,State,Zip:	LOS ANGELES, CA 90021
Owner Name:	DAVID AND ERIC LICHTBACH MARSHA DENOFF
Owner Type:	Private
Operator Name:	NOT REQUIRED
Operator Type:	Private
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No

OLYMPIC PLATING AND POLIS (Continued) **1000302359**

Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	NN
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required: Not reported	
Handler Date of Last Change:	20000915
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	Not reported
Manifest Broker:	Not reported
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name:	DAVID AND ERIC LICHTBACH MARSHA DENOFF
Legal Status:	Private
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	NOT REQUIRED
Owner/Operator City,State,Zip:	NOT REQUIRED, ME 99999
Owner/Operator Telephone:	415-555-1212
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

OLYMPIC PLATING AND POLIS (Continued) **1000302359**

Owner/Operator Indicator: Operator
Owner/Operator Name: NOT REQUIRED
Legal Status: Private
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: NOT REQUIRED
Owner/Operator City,State,Zip: NOT REQUIRED, ME 99999
Owner/Operator Telephone: 415-555-1212
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:
Receive Date: 19960901
Handler Name: OLYMPIC PLATING AND POLIS
Federal Waste Generator Description: Small Quantity Generator
State District Owner: CA
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Code: 332996
NAICS Description: FABRICATED PIPE AND PIPE FITTING MANUFACTURING

NAICS Code: 337127
NAICS Description: INSTITUTIONAL FURNITURE MANUFACTURING

Facility Has Received Notices of Violation:
Found Violation: No
Agency Which Determined Violation: Not reported
Violation Short Description: Not reported
Date Violation was Determined: Not reported
Actual Return to Compliance Date: Not reported
Return to Compliance Qualifier: Not reported
Violation Responsible Agency: Not reported
Scheduled Compliance Date: Not reported
Enforcement Identifier: Not reported
Date of Enforcement Action: Not reported
Enforcement Responsible Agency: Not reported
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: Not reported
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number:Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported

OLYMPIC PLATING AND POLIS (Continued) **1000302359**

Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Evaluation Action Summary:

Evaluation Date:	19810331
Evaluation Responsible Agency:	EPA
Found Violation:	No
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9EPA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

RAATS:

Entry No:	1
Facility ID:	CAD008253205
Type:	Not reported
Docket No:	81-082
Region:	09
Issue Date:	01/30/1982
Final Date:	Not reported
Status:	Complaint Issued
Additional:	Not reported
Action ID:	491
Action:	3008 (A)
Violation No:	Not reported
Viol No Cited:	1 3001
Total No Cited:	Not reported
Reg Type:	Federal
Prop. Penalty:	500.00
Final Penalty:	.00
Total Prop. Penalty:	500.00
Comments:	Not reported

Entry No:	1
Facility ID:	CAD008253205
Type:	Not reported
Docket No:	81-082

OLYMPIC PLATING AND POLIS (Continued) **1000302359**

Region:	09
Issue Date:	01/30/1982
Final Date:	Not reported
Status:	Complaint Issued
Additional:	Not reported
Action ID:	491
Action:	3008 (A)
Violation No:	Not reported
Viol No Cited:	2 261.31
Total No Cited:	Not reported
Reg Type:	CFR
Prop. Penalty:	*
Final Penalty:	.00
Total Prop. Penalty:	500.00
Comments:	Not reported

FINDS:
Registry ID: 110002630902

Click Here for FRS Facility Detail Report:

Environmental Interest/Information System:
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:

Envid:	1000302359
Registry ID:	110002630902
DFR URL:	http://echo.epa.gov/detailed-facility-report?fid=110002630902
Name:	OLYMPIC PLATING AND POLIS
Address:	843 SO NAOMI AVE
City,State,Zip:	LOS ANGELES, CA 90021

J62 **GREYHOUND LINES INC** **RCRA NonGen / NLR** **1000441481**
NE **GREYHOUND LINES INC** **CAD981674856**
< 1/8 **LOS ANGELES, CA 90021**
0.097 mi.
512 ft. **Site 7 of 14 in cluster J**

Relative: **Higher**
Actual: **248 ft.**

RCRA Listings:

Date Form Received by Agency:		19980304
Handler Name:	GREYHOUND LINES INC	
Handler Address:		GREYHOUND LINES INC
Handler City,State,Zip:		LOS ANGELES, CA 90021
EPA ID:		CAD981674856
Contact Name:		RONDA DERK
Contact Address:		P O BOX 660362
Contact City,State,Zip:		DALLAS, TX 75266-0362
Contact Telephone:		214-849-8148
Contact Fax:		Not reported
Contact Email:		Not reported

GREYHOUND LINES INC (Continued) **1000441481**

Contact Title:		Not reported
EPA Region:		09
Land Type:		Other
Federal Waste Generator Description:		Not a generator, verified
Non-Notifier:		Not reported
Biennial Report Cycle:		Not reported
Accessibility:		Not reported
Active Site Indicator:		Not reported
State District Owner:		Not reported
State District:		Not reported
Mailing Address:		1614 EAST SEVENTH STREET
Mailing City,State,Zip:		LOS ANGELES, CA 90021
Owner Name:	GREYHOUND LINES INC	
Owner Type:		Private
Operator Name:	NOT REQUIRED	
Operator Type:		Private
Short-Term Generator Activity:		No
Importer Activity:		No
Mixed Waste Generator:		No
Transporter Activity:		No
Transfer Facility Activity:		No
Recycler Activity with Storage:		No
Small Quantity On-Site Burner Exemption:		No
Smelting Melting and Refining Furnace Exemption:		No
Underground Injection Control:		No
Off-Site Waste Receipt:		No
Universal Waste Indicator:		No
Universal Waste Destination Facility:		No
Federal Universal Waste:		No
Active Site Fed-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site Converter Treatment storage and Disposal Facility:		Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site State-Reg Handler:		---
Federal Facility Indicator:		Not reported
Hazardous Secondary Material Indicator:		NN
Sub-Part K Indicator:		Not reported
Commercial TSD Indicator:		No
Treatment Storage and Disposal Type:		Not reported
2018 GPRA Permit Baseline:		Not on the Baseline
2018 GPRA Renewals Baseline:		Not on the Baseline
Permit Renewals Workload Universe:		Not reported
Permit Workload Universe:		Not reported
Permit Progress Universe:		Not reported
Post-Closure Workload Universe:		Not reported
Closure Workload Universe:		Not reported
202 GPRA Corrective Action Baseline:		No
Corrective Action Workload Universe:		No
Subject to Corrective Action Universe:		No
Non-TSDFs Where RCRA CA has Been Imposed Universe:		No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:		No
TSDFs Only Subject to CA under Discretionary Auth Universe:		No
Corrective Action Priority Ranking:		No NCAPS ranking
Environmental Control Indicator:		No
Institutional Control Indicator:		No
Human Exposure Controls Indicator:		N/A
Groundwater Controls Indicator:		N/A
Operating TSDF Universe:		Not reported

GREYHOUND LINES INC (Continued) **1000441481**

Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20020627
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	Not reported
Manifest Broker:	Not reported
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name: GREYHOUND LINES INC	
Legal Status:	Private
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	NOT REQUIRED
Owner/Operator City,State,Zip:	NOT REQUIRED, ME 99999
Owner/Operator Telephone:	415-555-1212
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name: NOT REQUIRED	
Legal Status:	Private
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	NOT REQUIRED
Owner/Operator City,State,Zip:	NOT REQUIRED, ME 99999
Owner/Operator Telephone:	415-555-1212
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Owner
Owner/Operator Name: GREYHOUND LINES INC	
Legal Status:	Private
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	NOT REQUIRED
Owner/Operator City,State,Zip:	NOT REQUIRED, ME 99999
Owner/Operator Telephone:	415-555-1212
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	19860913
Handler Name: GREYHOUND LINES INC	

GREYHOUND LINES INC (Continued) **1000441481**

Federal Waste Generator Description:	Not a generator, verified
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	No
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

Receive Date:	19980304
Handler Name: GREYHOUND LINES INC	
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

List of NAICS Codes and Descriptions:
NAICS Codes: No NAICS Codes Found

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

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63 **NEWMAN C K** **EDR Hist Auto** **1009076733**
North **1337 E 7TH ST** **N/A**
< 1/8 **LOS ANGELES, CA**
0.098 mi.
516 ft.

Relative: EDR Hist Auto
Higher

Actual: **252 ft.**

Year:	Name:	Type:
1929	LEVILOFF DAVID	GASOLINE AND OIL SERVICE STATION
1929	ROCKLEMAN EMIL	AUTOMOBILE REPAIRING AND SERVICE STATIONS
1933	NEWMAN C K	GASOLINE AND OIL SERVICE STATIONS

G64
ESE
< 1/8
0.098 mi.
519 ft.

J . HELLMAN PRODUCE INC
734 S ALAMEDA ST
LOS ANGELES, CA 90021

Site 3 of 3 in cluster G

HAZMAT **S128977320**
N/A

Relative:
Lower

Actual:
245 ft.

LOS ANGELES HM:

Name:	J . HELLMAN PRODUCE INC
Address:	734 S ALAMEDA ST
City,State,Zip:	LOS ANGELES, CA 90021
Facility ID:	FA0042213
Last Run Date:	11/01/2022
Status:	ACTIVE

K65
NNW
< 1/8
0.099 mi.
523 ft.

1366 E 7TH ST
LOS ANGELES, CA

Site 2 of 5 in cluster K

UST **U004299705**
N/A

Relative:
Higher

Actual:
251 ft.

LOS ANGELES UST:

Name:	Not reported
Address:	1366 E 7TH ST
City,State,Zip:	LOS ANGELES, CA
Facility ID:	Not reported
Last Run Date:	01/01/1900
Status:	HISTORICAL

M66
WSW
< 1/8
0.100 mi.
527 ft.

TRUCKMENS CENTER INC
1520 E 8TH ST
LOS ANGELES, CA

Site 2 of 3 in cluster M

EDR Hist Auto **1009083923**
N/A

Relative:
Lower

Actual:
244 ft.

EDR Hist Auto

Year:	Name:	Type:
1942	TRUCKMENS CENTER INC	GASOLINE AND OIL SERVICE STATIONS

M67
WSW
< 1/8
0.100 mi.
527 ft.

1520 E 8TH ST
LOS ANGELES, CA

Site 3 of 3 in cluster M

UST **U004300083**
N/A

Relative:
Lower

Actual:
244 ft.

LOS ANGELES UST:

Name:	Not reported
Address:	1520 E 8TH ST
City,State,Zip:	LOS ANGELES, CA
Facility ID:	Not reported
Last Run Date:	01/01/1900
Status:	HISTORICAL

N68 **CHAFFEE WAREHOUSE** **HAZMAT** **S123546682**
South **810 S MCGARRY ST** **N/A**
< 1/8 **LOS ANGELES, CA 90021**
0.102 mi.
537 ft. **Site 3 of 4 in cluster N**

Relative: **Lower**
Actual: **243 ft.**

LOS ANGELES HM:

Name:	CHAFFEE WAREHOUSE
Address:	810 S MCGARRY ST
City,State,Zip:	LOS ANGELES, CA 90021
Facility ID:	FA0016615
Last Run Date:	11/01/2022
Status:	INACTIVE

Name:	CHAFFEE WAREHOUSE
Address:	810 S MCGARRY ST
City,State,Zip:	LOS ANGELES, CA 90021
Facility ID:	FA0016615
Last Run Date:	11/01/2022
Status:	INACTIVE

I69 **UST** **U004304460**
West **775 TERMINAL ST** **N/A**
< 1/8 **LOS ANGELES, CA**
0.102 mi.
538 ft. **Site 3 of 3 in cluster I**

Relative: **Higher**
Actual: **246 ft.**

LOS ANGELES UST:

Name:	Not reported
Address:	775 TERMINAL ST
City,State,Zip:	LOS ANGELES, CA
Facility ID:	Not reported
Last Run Date:	01/01/1900
Status:	HISTORICAL

H70 **PUREX CORP TURCO PRODS** **SEMS-ARCHIVE** **1003878453**
NNE **INDUSTRIAL ST** **CAD980636146**
< 1/8 **LOS ANGELES, CA 90021**
0.108 mi.
570 ft. **Site 4 of 9 in cluster H**

Relative: **Higher**
Actual: **251 ft.**

SEMS Archive:

Site ID:	0901785
EPA ID:	CAD980636146
Name:	PUREX CORP TURCO PRODS
Address:	INDUSTRIAL ST
Address 2:	Not reported
City,State,Zip:	LOS ANGELES, CA 90021
Cong District:	25
FIPS Code:	06037
FF:	N
NPL:	Not on the NPL
Non NPL Status:	NFRAP-Site does not qualify for the NPL based on existing information

SEMS Archive Detail:

Region:	09
Site ID:	0901785
EPA ID:	CAD980636146
Site Name:	PUREX CORP TURCO PRODS

PUREX CORP TURCO PRODS (Continued) **1003878453**

NPL:	N
FF:	N
OU:	00
Action Code:	VS
Action Name:	ARCH SITE
SEQ:	1
Start Date:	Not reported
Finish Date:	1986-12-01 05:00:00
Qual:	Not reported
Current Action Lead:	EPA Perf In-Hse
Region:	09
Site ID:	0901785
EPA ID:	CAD980636146
Site Name:	PUREX CORP TURCO PRODS
NPL:	N
FF:	N
OU:	00
Action Code:	DS
Action Name:	DISCVRY
SEQ:	1
Start Date:	1981-06-01 04:00:00
Finish Date:	1981-06-01 04:00:00
Qual:	Not reported
Current Action Lead:	EPA Perf
Region:	09
Site ID:	0901785
EPA ID:	CAD980636146
Site Name:	PUREX CORP TURCO PRODS
NPL:	N
FF:	N
OU:	00
Action Code:	PA
Action Name:	PA
SEQ:	1
Start Date:	1984-05-01 05:00:00
Finish Date:	1986-12-01 05:00:00
Qual:	N
Current Action Lead:	St Perf

J71 **GREYHOUND LINES INC** **RCRA-SQG** **1000441480**
ENE **1614 E 7TH ST** **UST** **CAD981439342**
< 1/8 **LOS ANGELES, CA 90021** **AST**
0.114 mi. **HIST UST**
602 ft. **Site 8 of 14 in cluster J** **FINDS**
ECHO
Relative: **Cortese**
Higher **EMI**
CERS
Actual:
248 ft.

RCRA Listings:

Date Form Received by Agency:		19990928
Handler Name:	GREYHOUND LINES INC	
Handler Address:		1614 E 7TH ST
Handler City,State,Zip:		LOS ANGELES, CA 90021
EPA ID:		CAD981439342

GREYHOUND LINES INC (Continued) **1000441480**

Contact Name:		STACEY GREENE
Contact Address:		350 N ST PAUL MS325
Contact City,State,Zip:		DALLAS, TX 75201
Contact Telephone:		214-849-8149
Contact Fax:		Not reported
Contact Email:		Not reported
Contact Title:		Not reported
EPA Region:		09
Land Type:		Private
Federal Waste Generator Description:		Small Quantity Generator
Non-Notifier:		Not reported
Biennial Report Cycle:		Not reported
Accessibility:		Not reported
Active Site Indicator:		Handler Activities
State District Owner:		Not reported
State District:		Not reported
Mailing Address:		1614 E 7TH ST
Mailing City,State,Zip:		LOS ANGELES, CA 90021
Owner Name:	GREYHOUND LINES INC	
Owner Type:		Private
Operator Name:	Not reported	
Operator Type:		Not reported
Short-Term Generator Activity:		No
Importer Activity:		No
Mixed Waste Generator:		No
Transporter Activity:		No
Transfer Facility Activity:		No
Recycler Activity with Storage:		No
Small Quantity On-Site Burner Exemption:		No
Smelting Melting and Refining Furnace Exemption:		No
Underground Injection Control:		No
Off-Site Waste Receipt:		No
Universal Waste Indicator:		No
Universal Waste Destination Facility:		No
Federal Universal Waste:		No
Active Site Fed-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site Converter Treatment storage and Disposal Facility:		Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site State-Reg Handler:		---
Federal Facility Indicator:		Not reported
Hazardous Secondary Material Indicator:		N
Sub-Part K Indicator:		Not reported
Commercial TSD Indicator:		No
Treatment Storage and Disposal Type:		Not reported
2018 GPRA Permit Baseline:		Not on the Baseline
2018 GPRA Renewals Baseline:		Not on the Baseline
Permit Renewals Workload Universe:		Not reported
Permit Workload Universe:		Not reported
Permit Progress Universe:		Not reported
Post-Closure Workload Universe:		Not reported
Closure Workload Universe:		Not reported
202 GPRA Corrective Action Baseline:		No
Corrective Action Workload Universe:		No
Subject to Corrective Action Universe:		No
Non-TSDFs Where RCRA CA has Been Imposed Universe:		No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:		No
TSDFs Only Subject to CA under Discretionary Auth Universe:		No

GREYHOUND LINES INC (Continued) **1000441480**

Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20021007
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Hazardous Waste Summary:

Waste Code:	D000
Waste Description:	Not Defined
Waste Code:	D039
Waste Description:	TETRACHLOROETHYLENE

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name:	GREYHOUND LINES INC
Legal Status:	Private
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	350 N ST PAUL MS325
Owner/Operator City,State,Zip:	DALLAS, TX 75201
Owner/Operator Telephone:	214-849-8149
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	19920210
Handler Name:	GREYHOUND LINES INC
Federal Waste Generator Description:	Large Quantity Generator
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	No
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

GREYHOUND LINES INC (Continued) **1000441480**

Receive Date: 19940211
Handler Name: GREYHOUND LINES, INC.
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 19990928
Handler Name: GREYHOUND LINES INC
Federal Waste Generator Description: Small Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Code: 48521
NAICS Description: INTERURBAN AND RURAL BUS TRANSPORTATION

NAICS Code: 48551
NAICS Description: CHARTER BUS INDUSTRY

NAICS Code: 48849
NAICS Description: OTHER SUPPORT ACTIVITIES FOR ROAD TRANSPORTATION

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

LOS ANGELES UST:
Name: GREYHOUND LINES, INC. #892001
Address: 1614 E 7TH ST
City,State,Zip: LOS ANGELES, CA 90021
Facility ID: FA0003095
Last Run Date: 11/01/2022
Status: ACTIVE

LOS ANGELES AST:
Facility ID: FA0003095
Name: GREYHOUND LINES INC
Address: 1614 E 7TH ST

GREYHOUND LINES INC (Continued) **1000441480**

City,State,Zip: LOS ANGELES, CA 90021
Last Run Date: 06/01/2019
Status: ACTIVE

HIST UST:
Name: LOS ANGELES MAINT CENTER
Address: 1614 E 7TH STREET
City,State,Zip: LOS ANGELES, CA 90021
File Number: 00026c77
URL: https://documents.geotracker.waterboards.ca.gov/ustpdfs/pdf/00026c77.pdf
Region: Not reported
Facility ID: Not reported
Facility Type: Not reported
Other Type: Not reported
Contact Name: Not reported
Telephone: Not reported
Owner Name: Not reported
Owner Address: Not reported
Owner City,St,Zip: Not reported
Total Tanks: Not reported

Tank Num: Not reported
Container Num: Not reported
Year Installed: Not reported
Tank Capacity: Not reported
Tank Used for: Not reported
Type of Fuel: Not reported
Container Construction Thickness: Not reported
Leak Detection: Not reported

Tank Num: Not reported
Container Num: Not reported
Year Installed: Not reported
Tank Capacity: Not reported
Tank Used for: Not reported
Type of Fuel: Not reported
Container Construction Thickness: Not reported
Leak Detection: Not reported

Click here for Geo Tracker PDF:

FINDS:
Registry ID: 110002705430

Click Here for FRS Facility Detail Report:

Environmental Interest/Information System:
California Hazardous Waste Tracking System - Datamart (HWTS-DATAMART) provides California with information on hazardous waste shipments for generators, transporters, and treatment, storage, and disposal facilities.
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

GREYHOUND LINES INC (Continued) **1000441480**

STATE MASTER

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:

Envid:	1000441480
Registry ID:	110002705430
DFR URL:	http://echo.epa.gov/detailed-facility-report?fid=110002705430
Name:	GREYHOUND LINES INC
Address:	1614 E 7TH ST
City,State,Zip:	LOS ANGELES, CA 90021

CORTESE:

Name:	GREYHOUND LINES INC
Address:	1614 E 7TH ST
City,State,Zip:	LOS ANGELES, CA 90021
Region:	CORTESE
Envirostor Id:	Not reported
Global ID:	T0603770957
Site/Facility Type:	LUST CLEANUP SITE
Cleanup Status:	COMPLETED - CASE CLOSED
Status Date:	Not reported
Site Code:	Not reported
Latitude:	Not reported
Longitude:	Not reported
Owner:	Not reported
Enf Type:	Not reported
Swat R:	Not reported
Flag:	active
Order No:	Not reported
Waste Discharge System No:	Not reported
Effective Date:	Not reported
Region 2:	Not reported
WID Id:	Not reported
Solid Waste Id No:	Not reported
Waste Management Uit Name:	Not reported
File Name:	Active Open

EMI:

Name:	GREYHOUND LINES INC
Address:	1614 E 7TH ST
City,State,Zip:	LOS ANGELES, CA 900210000
Year:	1987
County Code:	19
Air Basin:	SC
Facility ID:	23793
Air District Name:	SC
SIC Code:	7538
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	11
Reactive Organic Gases Tons/Yr:	11
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	1
SOX - Oxides of Sulphur Tons/Yr:	0

GREYHOUND LINES INC (Continued) **1000441480**

Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smllr Tons/Yr:0

Name: GREYHOUND BUS LINES INC
Address: 1614 E 7TH ST
City,State,Zip: LOS ANGELES, CA 900210000
Year: 1990
County Code: 19
Air Basin: SC
Facility ID: 23793
Air District Name: SC
SIC Code: 7538
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 14
Reactive Organic Gases Tons/Yr: 4
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smllr Tons/Yr:0

CERS:
Name: GREYHOUND LINES INC
Address: 1614 E 7TH ST
City,State,Zip: LOS ANGELES, CA 90021
Site ID: 224439
CERS ID: T0603770957
CERS Description: Leaking Underground Storage Tank Cleanup Site

Affiliation:
Affiliation Type Desc: Local Agency Caseworker
Entity Name: ELOY LUNA - LOS ANGELES, CITY OF
Entity Title: Not reported
Affiliation Address: 200 North Main Street, Suite 1780
Affiliation City: LOS ANGELES
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: .

Affiliation Type Desc: Regional Board Caseworker
Entity Name: JAMES RYAN - LOS ANGELES RWQCB (REGION 4)
Entity Title: Not reported
Affiliation Address: West 4th Street, Suite 200
Affiliation City: LOS ANGELES
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: 2135766711,

J72 **GREYHOUND LINES INC #892001** **HAZNET** **S123816196**
ENE **1614 E 7TH ST** **HAZMAT** **N/A**
< 1/8 **LOS ANGELES, CA 90021** **HWTS**
0.114 mi.
602 ft. **Site 9 of 14 in cluster J**

Relative: **Higher**
Actual: **248 ft.**

HAZNET:

Name:	GREYHOUND LINES INC #892001
Address:	1614 E 7TH ST
Address 2:	Not reported
City,State,Zip:	LOS ANGELES, CA 900210000
Contact:	MARTHA TERRELL
Telephone:	8655392077
Mailing Name:	Not reported
Mailing Address:	110 PERIMETER PARK STE E
Year:	2021
Gepaid:	CAD981439342
TSD EPA ID:	UTD991301748
CA Waste Code:	352 - Other organic solids
Disposal Method:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Tons:	0.05
Year:	2021
Gepaid:	CAD981439342
TSD EPA ID:	UTD991301748
CA Waste Code:	223 - Unspecified oil-containing waste
Disposal Method:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Tons:	0.525
Year:	2021
Gepaid:	CAD981439342
TSD EPA ID:	CAT000613935
CA Waste Code:	134 - Aqueous solution with total organic residues less than 10 percent
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.75242
Year:	2021
Gepaid:	CAD981439342
TSD EPA ID:	UTD981552177
CA Waste Code:	352 - Other organic solids
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.275
Year:	2021
Gepaid:	CAD981439342
TSD EPA ID:	AZR000003681
CA Waste Code:	223 - Unspecified oil-containing waste
Disposal Method:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Tons:	3.6
Year:	2020
Gepaid:	CAD981439342

GREYHOUND LINES INC #892001 (Continued) **S123816196**

TSD EPA ID:	CAD044429835
CA Waste Code:	223 - Unspecified oil-containing waste
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.475
Year:	2020
Gepaid:	CAD981439342
TSD EPA ID:	CAD099452708
CA Waste Code:	133 - Aqueous solution with total organic residues 10 percent or more
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	1.12594
Year:	2020
Gepaid:	CAD981439342
TSD EPA ID:	NED981723513
CA Waste Code:	331 - Off-specification, aged or surplus organics
Disposal Method:	H040 - Incineration--Thermal Destruction Other Than Use As A Fuel
Tons:	0.76
Year:	2020
Gepaid:	CAD981439342
TSD EPA ID:	CAT000613935
CA Waste Code:	134 - Aqueous solution with total organic residues less than 10 percent
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	1.344
Year:	2020
Gepaid:	CAD981439342
TSD EPA ID:	UTD991301748
CA Waste Code:	352 - Other organic solids
Disposal Method:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Tons:	0.15

Click this hyperlink while viewing on your computer to access
205 additional CA HAZNET: record(s) in the EDR Site Report.

Additional Info:

Year:	2021
Gen EPA ID:	CAD981439342
Shipment Date:	9/26/2020
Creation Date:	10/27/2020
Receipt Date:	10/7/2020
Manifest ID:	007783142SKS
Trans EPA ID:	TXR000081205
Trans Name:	Safety-Kleen Systems, Inc.
Trans 2 EPA ID:	MAD039322250
Trans 2 Name:	Clean Harbors Environmental Services, Inc.
TSDF EPA ID:	AZR000003681
Trans Name:	Thermo Fluids, Inc.
TSDF Alt EPA ID:	Not reported

GREYHOUND LINES INC #892001 (Continued) **S123816196**

TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	0.6
Waste Quantity:	1200
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	9/26/2020
Creation Date:	11/3/2020
Receipt Date:	10/14/2020
Manifest ID:	007783143SKS
Trans EPA ID:	TXR000081205
Trans Name:	Safety-Kleen Systems, Inc.
Trans 2 EPA ID:	MAD039322250
Trans 2 Name:	Clean Harbors Environmental Services, Inc.
TSDF EPA ID:	UTD991301748
Trans Name:	Clean Harbors Grassy Mountain LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	0.075
Waste Quantity:	150
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	9/26/2020
Creation Date:	11/3/2020
Receipt Date:	10/14/2020
Manifest ID:	007783143SKS
Trans EPA ID:	TXR000081205
Trans Name:	Safety-Kleen Systems, Inc.
Trans 2 EPA ID:	MAD039322250
Trans 2 Name:	Clean Harbors Environmental Services, Inc.
TSDF EPA ID:	UTD991301748
Trans Name:	Clean Harbors Grassy Mountain LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	0.05
Waste Quantity:	100

GREYHOUND LINES INC #892001 (Continued) **S123816196**

Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	7/14/2020
Creation Date:	8/13/2020
Receipt Date:	7/24/2020
Manifest ID:	007467704SKS
Trans EPA ID:	TXR000081205
Trans Name:	Safety-Kleen Systems, Inc.
Trans 2 EPA ID:	MAD039322250
Trans 2 Name:	Clean Harbors Environmental Services, Inc.
TSDF EPA ID:	AZR000003681
Trans Name:	Thermo Fluids, Inc.
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	0.4
Waste Quantity:	800
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	7/14/2020
Creation Date:	8/11/2020
Receipt Date:	7/22/2020
Manifest ID:	007691757SKS
Trans EPA ID:	TXR000081205
Trans Name:	Safety-Kleen Systems, Inc.
Trans 2 EPA ID:	MAD039322250
Trans 2 Name:	Clean Harbors Environmental Services, Inc.
TSDF EPA ID:	CAT000613935
Trans Name:	Safety-Kleen Systems, Inc.
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.252
Waste Quantity:	60
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

GREYHOUND LINES INC #892001 (Continued) **S123816196**

Shipment Date:	7/14/2020
Creation Date:	8/13/2020
Receipt Date:	7/24/2020
Manifest ID:	007570025SKS
Trans EPA ID:	TXR000081205
Trans Name:	Safety-Kleen Systems, Inc.
Trans 2 EPA ID:	MAD039322250
Trans 2 Name:	Clean Harbors Environmental Services, Inc.
TSDF EPA ID:	UTD991301748
Trans Name:	Clean Harbors Grassy Mountain LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	0.075
Waste Quantity:	150
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	6/11/2020
Creation Date:	7/14/2020
Receipt Date:	6/24/2020
Manifest ID:	007434966SKS
Trans EPA ID:	TXR000081205
Trans Name:	Safety-Kleen Systems, Inc.
Trans 2 EPA ID:	MAD039322250
Trans 2 Name:	Clean Harbors Environmental Services, Inc.
TSDF EPA ID:	CAD044429835
Trans Name:	Clean Harbors Wilmington LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.075
Waste Quantity:	150
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	6/11/2020
Creation Date:	7/8/2020
Receipt Date:	6/18/2020
Manifest ID:	007467660SKS
Trans EPA ID:	TXR000081205
Trans Name:	Safety-Kleen Systems, Inc.
Trans 2 EPA ID:	MAD039322250

GREYHOUND LINES INC #892001 (Continued) **S123816196**

Trans 2 Name:	Clean Harbors Environmental Services, Inc.
TSDF EPA ID:	AZR000003681
Trans Name:	Thermo Fluids, Inc.
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	0.2
Waste Quantity:	400
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	6/11/2020
Creation Date:	7/20/2020
Receipt Date:	6/30/2020
Manifest ID:	006476400SKS
Trans EPA ID:	TXR000081205
Trans Name:	Safety-Kleen Systems, Inc.
Trans 2 EPA ID:	MAD039322250
Trans 2 Name:	Clean Harbors Environmental Services, Inc.
TSDF EPA ID:	UTD991301748
Trans Name:	Clean Harbors Grassy Mountain LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	0.1
Waste Quantity:	200
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	6/10/2020
Creation Date:	7/15/2020
Receipt Date:	6/25/2020
Manifest ID:	007467786SKS
Trans EPA ID:	TXR000081205
Trans Name:	Safety-Kleen Systems, Inc.
Trans 2 EPA ID:	MAD039322250
Trans 2 Name:	Clean Harbors Environmental Services, Inc.
TSDF EPA ID:	NED981723513
Trans Name:	Clean Harbors Environmental Services, Inc.
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	D001

GREYHOUND LINES INC #892001 (Continued) **S123816196**

Meth Code:	H040 - Incineration--Thermal Destruction Other Than Use As A Fuel
Quantity Tons:	0.1
Waste Quantity:	200
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2020
Gen EPA ID:	CAD981439342
Shipment Date:	9/26/2020
Creation Date:	11/3/2020
Receipt Date:	10/14/2020
Manifest ID:	007783143SKS
Trans EPA ID:	TXR000081205
Trans Name:	Safety-Kleen Systems, Inc.
Trans 2 EPA ID:	MAD039322250
Trans 2 Name:	Clean Harbors Environmental Services, Inc.
TSDF EPA ID:	UTD991301748
Trans Name:	Clean Harbors Grassy Mountain LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	0.075
Waste Quantity:	150
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	9/26/2020
Creation Date:	11/3/2020
Receipt Date:	10/14/2020
Manifest ID:	007783143SKS
Trans EPA ID:	TXR000081205
Trans Name:	Safety-Kleen Systems, Inc.
Trans 2 EPA ID:	MAD039322250
Trans 2 Name:	Clean Harbors Environmental Services, Inc.
TSDF EPA ID:	UTD991301748
Trans Name:	Clean Harbors Grassy Mountain LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	0.05
Waste Quantity:	100

GREYHOUND LINES INC #892001 (Continued) **S123816196**

Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	9/26/2020
Creation Date:	10/27/2020
Receipt Date:	10/7/2020
Manifest ID:	007783142SKS
Trans EPA ID:	TXR000081205
Trans Name:	Safety-Kleen Systems, Inc.
Trans 2 EPA ID:	MAD039322250
Trans 2 Name:	Clean Harbors Environmental Services, Inc.
TSDF EPA ID:	AZR000003681
Trans Name:	Thermo Fluids, Inc.
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	0.6
Waste Quantity:	1200
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	7/14/2020
Creation Date:	8/13/2020
Receipt Date:	7/24/2020
Manifest ID:	007467704SKS
Trans EPA ID:	TXR000081205
Trans Name:	Safety-Kleen Systems, Inc.
Trans 2 EPA ID:	MAD039322250
Trans 2 Name:	Clean Harbors Environmental Services, Inc.
TSDF EPA ID:	AZR000003681
Trans Name:	Thermo Fluids, Inc.
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	0.4
Waste Quantity:	800
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

GREYHOUND LINES INC #892001 (Continued) **S123816196**

Shipment Date:	7/14/2020
Creation Date:	8/11/2020
Receipt Date:	7/22/2020
Manifest ID:	007691757SKS
Trans EPA ID:	TXR000081205
Trans Name:	Safety-Kleen Systems, Inc.
Trans 2 EPA ID:	MAD039322250
Trans 2 Name:	Clean Harbors Environmental Services, Inc.
TSDF EPA ID:	CAT000613935
Trans Name:	Safety-Kleen Systems, Inc.
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.252
Waste Quantity:	60
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	7/14/2020
Creation Date:	8/13/2020
Receipt Date:	7/24/2020
Manifest ID:	007570025SKS
Trans EPA ID:	TXR000081205
Trans Name:	Safety-Kleen Systems, Inc.
Trans 2 EPA ID:	MAD039322250
Trans 2 Name:	Clean Harbors Environmental Services, Inc.
TSDF EPA ID:	UTD991301748
Trans Name:	Clean Harbors Grassy Mountain LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	0.075
Waste Quantity:	150
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	6/11/2020
Creation Date:	7/20/2020
Receipt Date:	6/30/2020
Manifest ID:	006476400SKS
Trans EPA ID:	TXR000081205
Trans Name:	Safety-Kleen Systems, Inc.
Trans 2 EPA ID:	MAD039322250

GREYHOUND LINES INC #892001 (Continued) **S123816196**

Trans 2 Name:	Clean Harbors Environmental Services, Inc.
TSDF EPA ID:	UTD991301748
Trans Name:	Clean Harbors Grassy Mountain LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	0.1
Waste Quantity:	200
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	6/11/2020
Creation Date:	7/14/2020
Receipt Date:	6/24/2020
Manifest ID:	007434966SKS
Trans EPA ID:	TXR000081205
Trans Name:	Safety-Kleen Systems, Inc.
Trans 2 EPA ID:	MAD039322250
Trans 2 Name:	Clean Harbors Environmental Services, Inc.
TSDF EPA ID:	CAD044429835
Trans Name:	Clean Harbors Wilmington LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.075
Waste Quantity:	150
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	6/11/2020
Creation Date:	7/8/2020
Receipt Date:	6/18/2020
Manifest ID:	007467660SKS
Trans EPA ID:	TXR000081205
Trans Name:	Safety-Kleen Systems, Inc.
Trans 2 EPA ID:	MAD039322250
Trans 2 Name:	Clean Harbors Environmental Services, Inc.
TSDF EPA ID:	AZR000003681
Trans Name:	Thermo Fluids, Inc.
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported

GREYHOUND LINES INC #892001 (Continued) **S123816196**

Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	0.2
Waste Quantity:	400
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	6/10/2020
Creation Date:	7/15/2020
Receipt Date:	6/25/2020
Manifest ID:	007467786SKS
Trans EPA ID:	TXR000081205
Trans Name:	Safety-Kleen Systems, Inc.
Trans 2 EPA ID:	MAD039322250
Trans 2 Name:	Clean Harbors Environmental Services, Inc.
TSDF EPA ID:	NED981723513
Trans Name:	Clean Harbors Environmental Services, Inc.
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	D001
Meth Code:	H040 - Incineration--Thermal Destruction Other Than Use As A Fuel
Quantity Tons:	0.1
Waste Quantity:	200
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Detail Two:

Year:	2020
EM Manifest ID:	327ba1d1-988d-448f-9597-544b9ec61b8a
Shipment Date:	9/26/2020
Receipt Date:	10/14/2020
Manifest Number:	007783143SKS
Generator EPA ID:	CAD981439342
Name:	GREYHOUND LINES 892001-1815
Address:	1614 E 7TH ST
Address 2:	Not reported
City:	LOS ANGELES
Zip:	90021
Telephone:	800-483-3718
Contact:	Samuel Acosta
Contact Telephone:	513-419-3315
Transporter 1 EPA ID:	TXR000081205
Transporter 1 Emergency Number:	Not reported
Transporter 2 EPA ID:	MAD039322250
Transporter 2 Emergency Number:	Not reported
TSDF EPA ID:	UTD991301748
TSDF Name:	Clean Harbors Grassy Mountain LLC
TSDF Address 1:	3 Miles East 7 Miles North of Knolls

GREYHOUND LINES INC #892001 (Continued) **S123816196**

TSDF Address 2:	Exit 41 off I-80
TSDF City:	Grantsville
TSDF Zip:	84029
TSDF Telephone:	800-483-3718

State:

Year:	2020
EM Manifest ID:	327ba1d1-988d-448f-9597-544b9ec61b8a
Generator EPA ID:	CAD981439342
Shipment Date:	2020-09-26
Manifest Number:	007783143SKS
Line Number:	1
Method Code:	H132
Quantity Tons:	0.05000
Quantity Waste:	100.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Metal drums, barrels, kegs
Quantity Type:	Pounds
State Code:	352

Year:	2020
EM Manifest ID:	327ba1d1-988d-448f-9597-544b9ec61b8a
Generator EPA ID:	CAD981439342
Shipment Date:	2020-09-26
Manifest Number:	007783143SKS
Line Number:	2
Method Code:	H132
Quantity Tons:	0.07500
Quantity Waste:	150.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Metal drums, barrels, kegs
Quantity Type:	Pounds
State Code:	223

Year:	2020
EM Manifest ID:	37bdc040-4329-463b-88f2-ce2fb3fdcb43
Shipment Date:	9/26/2020
Receipt Date:	10/7/2020
Manifest Number:	007783142SKS
Generator EPA ID:	CAD981439342
Name:	GREYHOUND LINES 892001-1815
Address:	1614 E 7TH ST
Address 2:	Not reported
City:	LOS ANGELES
Zip:	90021
Telephone:	800-483-3718
Contact:	Samuel Acosta
Contact Telephone:	513-419-3315
Transporter 1 EPA ID:	TXR000081205
Transporter 1 Emergency Number:	Not reported
Transporter 2 EPA ID:	MAD039322250
Transporter 2 Emergency Number:	Not reported
TSDF EPA ID:	AZR000003681
TSDF Name:	Thermo Fluids, Inc.
TSDF Address 1:	4301 West Jefferson Street

GREYHOUND LINES INC #892001 (Continued) **S123816196**

TSDF Address 2: Not reported
TSDF City: Phoenix
TSDF Zip: 85043
TSDF Telephone: 800-483-3718

State:
Year: 2020
EM Manifest ID: 37bdc040-4329-463b-88f2-ce2fb3fdcb43
Generator EPA ID: CAD981439342
Shipment Date: 2020-09-26
Manifest Number: 007783142SKS
Line Number: 1
Method Code: H039
Quantity Tons: 0.60000
Quantity Waste: 1200.000000
Quantity Unit: P
Number of Containers: 6
Type of Container: Metal drums, barrels, kegs
Quantity Type: Pounds
State Code: 223

Year: 2020
EM Manifest ID: 185c1071-7cad-4b15-8d78-935c89b0925d
Shipment Date: 7/14/2020
Receipt Date: 7/24/2020
Manifest Number: 007570025SKS
Generator EPA ID: CAD981439342
Name: GREYHOUND LINES 892001-1815
Address: 1614 E 7TH ST
Address 2: Not reported
City: LOS ANGELES
Zip: 90021
Telephone: 800-483-3718
Contact: Samuel Acosta
Contact Telephone: 513-419-3315
Transporter 1 EPA ID: TXR000081205
Transporter 1 Emergency Number: Not reported
Transporter 2 EPA ID: MAD039322250
Transporter 2 Emergency Number: Not reported
TSDF EPA ID: UTD991301748
TSDF Name: Clean Harbors Grassy Mountain LLC
TSDF Address 1: 3 Miles East 7 Miles North of Knolls
TSDF Address 2: Exit 41 off I-80
TSDF City: Grantsville
TSDF Zip: 84029
TSDF Telephone: 800-483-3718

State:
Year: 2020
EM Manifest ID: 185c1071-7cad-4b15-8d78-935c89b0925d
Generator EPA ID: CAD981439342
Shipment Date: 2020-07-14
Manifest Number: 007570025SKS
Line Number: 1
Method Code: H132
Quantity Tons: 0.07500
Quantity Waste: 150.000000

GREYHOUND LINES INC #892001 (Continued) **S123816196**

Quantity Unit:	P
Number of Containers:	1
Type of Container:	Metal drums, barrels, kegs
Quantity Type:	Pounds
State Code:	223

Year:	2020
EM Manifest ID:	34df767f-5030-4c73-8add-70f29e0454df
Shipment Date:	7/14/2020
Receipt Date:	7/22/2020
Manifest Number:	007691757SKS
Generator EPA ID:	CAD981439342
Name:	GREYHOUND LINES 892001-1815
Address:	1614 E 7TH ST
Address 2:	Not reported
City:	LOS ANGELES
Zip:	90021
Telephone:	800-483-3718
Contact:	Samuel Acosta
Contact Telephone:	513-419-3315
Transporter 1 EPA ID:	TXR000081205
Transporter 1 Emergency Number:	Not reported
Transporter 2 EPA ID:	MAD039322250
Transporter 2 Emergency Number:	Not reported
TSDF EPA ID:	CAT000613935
TSDF Name:	Safety-Kleen Systems, Inc.
TSDF Address 1:	2918 Worthen Avenue
TSDF Address 2:	Not reported
TSDF City:	Los Angeles
TSDF Zip:	90039
TSDF Telephone:	800-483-3718

State:

Year:	2020
EM Manifest ID:	34df767f-5030-4c73-8add-70f29e0454df
Generator EPA ID:	CAD981439342
Shipment Date:	2020-07-14
Manifest Number:	007691757SKS
Line Number:	1
Method Code:	H141
Quantity Tons:	0.25200
Quantity Waste:	60.000000
Quantity Unit:	G
Number of Containers:	4
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Gallons
State Code:	134

Year:	2020
EM Manifest ID:	df6465e0-1f16-4ad8-a6da-8ce9a84f8c86
Shipment Date:	7/14/2020
Receipt Date:	7/24/2020
Manifest Number:	007467704SKS
Generator EPA ID:	CAD981439342
Name:	GREYHOUND LINES 892001-1815
Address:	1614 E 7TH ST

GREYHOUND LINES INC #892001 (Continued) **S123816196**

Address 2:	Not reported
City:	LOS ANGELES
Zip:	90021
Telephone:	800-483-3718
Contact:	Samuel Acosta
Contact Telephone:	513-419-3315
Transporter 1 EPA ID:	TXR000081205
Transporter 1 Emergency Number:	Not reported
Transporter 2 EPA ID:	MAD039322250
Transporter 2 Emergency Number:	Not reported
TSDF EPA ID:	AZR000003681
TSDF Name:	Thermo Fluids, Inc.
TSDF Address 1:	4301 West Jefferson Street
TSDF Address 2:	Not reported
TSDF City:	Phoenix
TSDF Zip:	85043
TSDF Telephone:	800-483-3718

State:

Year:	2020
EM Manifest ID:	df6465e0-1f16-4ad8-a6da-8ce9a84f8c86
Generator EPA ID:	CAD981439342
Shipment Date:	2020-07-14
Manifest Number:	007467704SKS
Line Number:	1
Method Code:	H039
Quantity Tons:	0.40000
Quantity Waste:	800.000000
Quantity Unit:	P
Number of Containers:	4
Type of Container:	Metal drums, barrels, kegs
Quantity Type:	Pounds
State Code:	223

Year:	2020
EM Manifest ID:	9dd7b323-fd6e-47d3-a81e-afd654311c23
Shipment Date:	6/11/2020
Receipt Date:	6/30/2020
Manifest Number:	006476400SKS
Generator EPA ID:	CAD981439342
Name:	GREYHOUND LINES 892001-1815
Address:	1614 E 7TH ST
Address 2:	Not reported
City:	LOS ANGELES
Zip:	90021
Telephone:	800-483-3718
Contact:	Samuel Acosta
Contact Telephone:	513-419-3315
Transporter 1 EPA ID:	TXR000081205
Transporter 1 Emergency Number:	Not reported
Transporter 2 EPA ID:	MAD039322250
Transporter 2 Emergency Number:	Not reported
TSDF EPA ID:	UTD991301748
TSDF Name:	Clean Harbors Grassy Mountain LLC
TSDF Address 1:	3 Miles East 7 Miles North of Knolls
TSDF Address 2:	Exit 41 off I-80
TSDF City:	Grantsville

GREYHOUND LINES INC #892001 (Continued) **S123816196**

TSDF Zip:	84029
TSDF Telephone:	800-483-3718

State:

Year:	2020
EM Manifest ID:	9dd7b323-fd6e-47d3-a81e-afd654311c23
Generator EPA ID:	CAD981439342
Shipment Date:	2020-06-11
Manifest Number:	006476400SKS
Line Number:	2
Method Code:	H132
Quantity Tons:	0.10000
Quantity Waste:	200.000000
Quantity Unit:	P
Number of Containers:	2
Type of Container:	Metal drums, barrels, kegs
Quantity Type:	Pounds
State Code:	352

Year:	2020
EM Manifest ID:	d9acbd6b-398d-40da-884b-4de97c4375b1
Shipment Date:	6/11/2020
Receipt Date:	6/18/2020
Manifest Number:	007467660SKS
Generator EPA ID:	CAD981439342
Name:	GREYHOUND LINES 892001-1815
Address:	1614 E 7TH ST
Address 2:	Not reported
City:	LOS ANGELES
Zip:	90021
Telephone:	800-483-3718
Contact:	Samuel Acosta
Contact Telephone:	513-419-3315
Transporter 1 EPA ID:	TXR000081205
Transporter 1 Emergency Number:	Not reported
Transporter 2 EPA ID:	MAD039322250
Transporter 2 Emergency Number:	Not reported
TSDF EPA ID:	AZR000003681
TSDF Name:	Thermo Fluids, Inc.
TSDF Address 1:	4301 West Jefferson Street
TSDF Address 2:	Not reported
TSDF City:	Phoenix
TSDF Zip:	85043
TSDF Telephone:	800-483-3718

State:

Year:	2020
EM Manifest ID:	d9acbd6b-398d-40da-884b-4de97c4375b1
Generator EPA ID:	CAD981439342
Shipment Date:	2020-06-11
Manifest Number:	007467660SKS
Line Number:	1
Method Code:	H039
Quantity Tons:	0.20000
Quantity Waste:	400.000000
Quantity Unit:	P
Number of Containers:	2

GREYHOUND LINES INC #892001 (Continued) **S123816196**

Type of Container:	Metal drums, barrels, kegs
Quantity Type:	Pounds
State Code:	223

Year:	2020
EM Manifest ID:	bf80a0fc-691a-4fb3-96c8-1f9bbe15dfe1
Shipment Date:	6/11/2020
Receipt Date:	6/24/2020
Manifest Number:	007434966SKS
Generator EPA ID:	CAD981439342
Name:	GREYHOUND LINES 892001-1815
Address:	1614 E 7TH ST
Address 2:	Not reported
City:	LOS ANGELES
Zip:	90021
Telephone:	800-483-3718
Contact:	Samuel Acosta
Contact Telephone:	513-419-3315
Transporter 1 EPA ID:	TXR000081205
Transporter 1 Emergency Number:	Not reported
Transporter 2 EPA ID:	MAD039322250
Transporter 2 Emergency Number:	Not reported
TSDF EPA ID:	CAD044429835
TSDF Name:	Clean Harbors Wilmington LLC
TSDF Address 1:	1737 East Denni Street
TSDF Address 2:	Not reported
TSDF City:	Wilmington
TSDF Zip:	90744
TSDF Telephone:	800-483-3718

State:

Year:	2020
EM Manifest ID:	bf80a0fc-691a-4fb3-96c8-1f9bbe15dfe1
Generator EPA ID:	CAD981439342
Shipment Date:	2020-06-11
Manifest Number:	007434966SKS
Line Number:	1
Method Code:	H141
Quantity Tons:	0.07500
Quantity Waste:	150.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Metal drums, barrels, kegs
Quantity Type:	Pounds
State Code:	223

Year:	2020
EM Manifest ID:	03bbed95-bfb0-493f-9203-5927c48d2d18
Shipment Date:	6/10/2020
Receipt Date:	6/25/2020
Manifest Number:	007467786SKS
Generator EPA ID:	CAD981439342
Name:	GREYHOUND LINES 892001-1815
Address:	1614 E 7TH ST
Address 2:	Not reported
City:	LOS ANGELES

GREYHOUND LINES INC #892001 (Continued) **S123816196**

Zip:	90021
Telephone:	800-483-3718
Contact:	Samuel Acosta
Contact Telephone:	513-419-3315
Transporter 1 EPA ID:	TXR000081205
Transporter 1 Emergency Number:	Not reported
Transporter 2 EPA ID:	MAD039322250
Transporter 2 Emergency Number:	Not reported
TSDF EPA ID:	NED981723513
TSDF Name:	Clean Harbors Environmental Services, Inc.
TSDF Address 1:	2247 South Highway 71
TSDF Address 2:	Not reported
TSDF City:	Kimball
TSDF Zip:	69145
TSDF Telephone:	800-483-3718

Federal:

Year:	2020
EM Manifest ID:	03bbed95-bfb0-493f-9203-5927c48d2d18
Generator EPA ID:	CAD981439342
Shipment Date:	2020-06-10
Manifest Number:	007467786SKS
Line Number:	1
Method Code:	H040
Quantity Tons:	0.10000
Quantity Waste:	200.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
Federal Code:	D001

Year:	2020
EM Manifest ID:	03bbed95-bfb0-493f-9203-5927c48d2d18
Generator EPA ID:	CAD981439342
Shipment Date:	2020-06-10
Manifest Number:	007467786SKS
Line Number:	2
Method Code:	H040
Quantity Tons:	0.66000
Quantity Waste:	200.000000
Quantity Unit:	G
Number of Containers:	1
Type of Container:	Portable tanks
Quantity Type:	Gallons
Federal Code:	D001

State:

Year:	2020
EM Manifest ID:	03bbed95-bfb0-493f-9203-5927c48d2d18
Generator EPA ID:	CAD981439342
Shipment Date:	2020-06-10
Manifest Number:	007467786SKS
Line Number:	1
Method Code:	H040
Quantity Tons:	0.10000
Quantity Waste:	200.000000

GREYHOUND LINES INC #892001 (Continued) **S123816196**

Quantity Unit: P
Number of Containers: 1
Type of Container: Fiber or plastic boxes, cartons, cases
Quantity Type: Pounds
State Code: 331

Year: 2020
EM Manifest ID: 03bbed95-bfb0-493f-9203-5927c48d2d18
Generator EPA ID: CAD981439342
Shipment Date: 2020-06-10
Manifest Number: 007467786SKS
Line Number: 2
Method Code: H040
Quantity Tons: 0.66000
Quantity Waste: 200.000000
Quantity Unit: G
Number of Containers: 1
Type of Container: Portable tanks
Quantity Type: Gallons
State Code: 331

Year: 2020
EM Manifest ID: 2053b58b-334d-4eb0-88b2-8d6174866ae9
Shipment Date: 5/14/2020
Receipt Date: 5/23/2020
Manifest Number: 007455072SKS
Generator EPA ID: CAD981439342
Name: GREYHOUND LINES 892001-1815
Address: 1614 E 7TH ST
Address 2: Not reported
City: LOS ANGELES
Zip: 90021
Telephone: 800-483-3718
Contact: Samuel Acosta
Contact Telephone: 513-419-3315
Transporter 1 EPA ID: TXR000081205
Transporter 1 Emergency Number: Not reported
Transporter 2 EPA ID: MAD039322250
Transporter 2 Emergency Number: Not reported
TSDF EPA ID: AZR000003681
TSDF Name: Thermo Fluids, Inc.
TSDF Address 1: 4301 West Jefferson Street
TSDF Address 2: Not reported
TSDF City: Phoenix
TSDF Zip: 85043
TSDF Telephone: 800-483-3718

State:
Year: 2020
EM Manifest ID: 2053b58b-334d-4eb0-88b2-8d6174866ae9
Generator EPA ID: CAD981439342
Shipment Date: 2020-05-14
Manifest Number: 007455072SKS
Line Number: 1
Method Code: H039
Quantity Tons: 0.20000
Quantity Waste: 400.000000

GREYHOUND LINES INC #892001 (Continued) **S123816196**

Quantity Unit:	P
Number of Containers:	2
Type of Container:	Metal drums, barrels, kegs
Quantity Type:	Pounds
State Code:	223

Detail Two:

Year:	2019
EM Manifest ID:	638695
Shipment Date:	9/13/2019
Receipt Date:	9/20/2019
Manifest Number:	007205816SKS
Generator EPA ID:	CAD981439342
Name:	GREYHOUND LINES 892001-1815
Address:	1614 E 7TH ST
Address 2:	Not reported
City:	LOS ANGELES
Zip:	90021
Telephone:	800-483-3718
Contact:	Samuel Acosta
Contact Telephone:	513-419-3315
Transporter 1 EPA ID:	TXR000081205
Transporter 1 Emergency Number:	Not reported
Transporter 2 EPA ID:	MAD039322250
Transporter 2 Emergency Number:	Not reported
TSDF EPA ID:	AZR000003681
TSDF Name:	Thermo Fluids, Inc.
TSDF Address 1:	4301 West Jefferson Street
TSDF Address 2:	Not reported
TSDF City:	Phoenix
TSDF Zip:	85043
TSDF Telephone:	800-483-3718

State:

Year:	2019
EM Manifest ID:	638695
Generator EPA ID:	CAD981439342
Shipment Date:	2019-09-13
Manifest Number:	007205816SKS
Line Number:	1
Method Code:	H039
Quantity Tons:	0.90000
Quantity Waste:	1800.000000
Quantity Unit:	P
Number of Containers:	6
Type of Container:	Metal drums, barrels, kegs
Quantity Type:	Pounds
State Code:	223

Year:	2019
EM Manifest ID:	654047
Shipment Date:	9/13/2019
Receipt Date:	9/23/2019
Manifest Number:	007205815SKS
Generator EPA ID:	CAD981439342

GREYHOUND LINES INC #892001 (Continued) **S123816196**

Name:	GREYHOUND LINES 892001-1815
Address:	1614 E 7TH ST
Address 2:	Not reported
City:	LOS ANGELES
Zip:	90021
Telephone:	800-483-3718
Contact:	Samuel Acosta
Contact Telephone:	513-419-3315
Transporter 1 EPA ID:	TXR000081205
Transporter 1 Emergency Number:	Not reported
Transporter 2 EPA ID:	MAD039322250
Transporter 2 Emergency Number:	Not reported
TSDF EPA ID:	CAD044429835
TSDF Name:	Clean Harbors Wilmington LLC
TSDF Address 1:	1737 East Denni Street
TSDF Address 2:	Not reported
TSDF City:	Wilmington
TSDF Zip:	90744
TSDF Telephone:	800-483-3718

State:

Year:	2019
EM Manifest ID:	654047
Generator EPA ID:	CAD981439342
Shipment Date:	2019-09-13
Manifest Number:	007205815SKS
Line Number:	1
Method Code:	H141
Quantity Tons:	0.05000
Quantity Waste:	100.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Metal drums, barrels, kegs
Quantity Type:	Pounds
State Code:	223

Year:	2019
EM Manifest ID:	549393
Shipment Date:	8/9/2019
Receipt Date:	8/15/2019
Manifest Number:	007162584SKS
Generator EPA ID:	CAD981439342
Name:	GREYHOUND LINES 892001-1815
Address:	1614 E 7TH ST
Address 2:	Not reported
City:	LOS ANGELES
Zip:	90021
Telephone:	800-483-3718
Contact:	Samuel Acosta
Contact Telephone:	513-419-3315
Transporter 1 EPA ID:	TXR000081205
Transporter 1 Emergency Number:	Not reported
Transporter 2 EPA ID:	MAD039322250
Transporter 2 Emergency Number:	Not reported
TSDF EPA ID:	AZR000003681
TSDF Name:	Thermo Fluids, Inc.
TSDF Address 1:	4301 West Jefferson Street

GREYHOUND LINES INC #892001 (Continued) **S123816196**

TSDF Address 2: Not reported
TSDF City: Phoenix
TSDF Zip: 85043
TSDF Telephone: 800-483-3718

State:
Year: 2019
EM Manifest ID: 549393
Generator EPA ID: CAD981439342
Shipment Date: 2019-08-09
Manifest Number: 007162584SKS
Line Number: 1
Method Code: H039
Quantity Tons: 0.60000
Quantity Waste: 1200.000000
Quantity Unit: P
Number of Containers: 4
Type of Container: Metal drums, barrels, kegs
Quantity Type: Pounds
State Code: 223

Year: 2019
EM Manifest ID: 548644
Shipment Date: 8/9/2019
Receipt Date: 8/13/2019
Manifest Number: 007048915SKS
Generator EPA ID: CAD981439342
Name: GREYHOUND LINES 892001-1815
Address: 1614 E 7TH ST
Address 2: Not reported
City: LOS ANGELES
Zip: 90021
Telephone: 800-483-3718
Contact: Samuel Acosta
Contact Telephone: 513-419-3315
Transporter 1 EPA ID: TXR000081205
Transporter 1 Emergency Number: Not reported
Transporter 2 EPA ID: MAD039322250
Transporter 2 Emergency Number: Not reported
TSDF EPA ID: CAT000613935
TSDF Name: Safety-Kleen Systems, Inc.
TSDF Address 1: 2918 Worthen Avenue
TSDF Address 2: Not reported
TSDF City: Los Angeles
TSDF Zip: 90039
TSDF Telephone: 800-483-3718

State:
Year: 2019
EM Manifest ID: 548644
Generator EPA ID: CAD981439342
Shipment Date: 2019-08-09
Manifest Number: 007048915SKS
Line Number: 1
Method Code: H141
Quantity Tons: 0.31500
Quantity Waste: 75.000000

GREYHOUND LINES INC #892001 (Continued) **S123816196**

Quantity Unit:	G
Number of Containers:	5
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Gallons
State Code:	134

Year:	2019
EM Manifest ID:	549394
Shipment Date:	8/9/2019
Receipt Date:	8/21/2019
Manifest Number:	007162585SKS
Generator EPA ID:	CAD981439342
Name:	GREYHOUND LINES 892001-1815
Address:	1614 E 7TH ST
Address 2:	Not reported
City:	LOS ANGELES
Zip:	90021
Telephone:	800-483-3718
Contact:	Samuel Acosta
Contact Telephone:	513-419-3315
Transporter 1 EPA ID:	TXR000081205
Transporter 1 Emergency Number:	Not reported
Transporter 2 EPA ID:	MAD039322250
Transporter 2 Emergency Number:	Not reported
TSDF EPA ID:	CAD044429835
TSDF Name:	Clean Harbors Wilmington LLC
TSDF Address 1:	1737 East Denni Street
TSDF Address 2:	Not reported
TSDF City:	Wilmington
TSDF Zip:	90744
TSDF Telephone:	800-483-3718

State:

Year:	2019
EM Manifest ID:	549394
Generator EPA ID:	CAD981439342
Shipment Date:	2019-08-09
Manifest Number:	007162585SKS
Line Number:	1
Method Code:	H141
Quantity Tons:	0.20000
Quantity Waste:	400.000000
Quantity Unit:	P
Number of Containers:	2
Type of Container:	Metal drums, barrels, kegs
Quantity Type:	Pounds
State Code:	223

Year:	2019
EM Manifest ID:	549394
Generator EPA ID:	CAD981439342
Shipment Date:	2019-08-09
Manifest Number:	007162585SKS
Line Number:	2
Method Code:	H141
Quantity Tons:	0.10000
Quantity Waste:	200.000000

GREYHOUND LINES INC #892001 (Continued) **S123816196**

Quantity Unit: P
Number of Containers: 1
Type of Container: Metal drums, barrels, kegs
Quantity Type: Pounds
State Code: 352

Year: 2019
EM Manifest ID: fb046a18-b9a1-44aa-bb88-54892a0d8925
Shipment Date: 7/17/2019
Receipt Date: 7/25/2019
Manifest Number: 006750220SKS
Generator EPA ID: CAD981439342
Name: GREYHOUND LINES 892001-1815
Address: 1614 E 7TH ST
Address 2: Not reported
City: LOS ANGELES
Zip: 90021
Telephone: 800-483-3718
Contact: Samuel Acosta
Contact Telephone: 513-419-3315
Transporter 1 EPA ID: TXR000081205
Transporter 1 Emergency Number: Not reported
Transporter 2 EPA ID: MAD039322250
Transporter 2 Emergency Number: Not reported
TSDF EPA ID: AZR000003681
TSDF Name: Thermo Fluids, Inc.
TSDF Address 1: 4301 West Jefferson Street
TSDF Address 2: Not reported
TSDF City: Phoenix
TSDF Zip: 85043
TSDF Telephone: 800-483-3718

State:
Year: 2019
EM Manifest ID: fb046a18-b9a1-44aa-bb88-54892a0d8925
Generator EPA ID: CAD981439342
Shipment Date: 2019-07-17
Manifest Number: 006750220SKS
Line Number: 1
Method Code: H039
Quantity Tons: 1.05000
Quantity Waste: 2100.000000
Quantity Unit: P
Number of Containers: 7
Type of Container: Metal drums, barrels, kegs
Quantity Type: Pounds
State Code: 223

Year: 2019
EM Manifest ID: 491410
Shipment Date: 7/17/2019
Receipt Date: 7/24/2019
Manifest Number: 006651481SKS
Generator EPA ID: CAD981439342
Name: GREYHOUND LINES 892001-1815
Address: 1614 E 7TH ST

GREYHOUND LINES INC #892001 (Continued) **S123816196**

Address 2:	Not reported
City:	LOS ANGELES
Zip:	90021
Telephone:	800-483-3718
Contact:	Samuel Acosta
Contact Telephone:	513-419-3315
Transporter 1 EPA ID:	TXR000081205
Transporter 1 Emergency Number:	Not reported
Transporter 2 EPA ID:	MAD039322250
Transporter 2 Emergency Number:	Not reported
TSDF EPA ID:	CAD044429835
TSDF Name:	Clean Harbors Wilmington LLC
TSDF Address 1:	1737 East Denni Street
TSDF Address 2:	Not reported
TSDF City:	Wilmington
TSDF Zip:	90744
TSDF Telephone:	800-483-3718

State:

Year:	2019
EM Manifest ID:	491410
Generator EPA ID:	CAD981439342
Shipment Date:	2019-07-17
Manifest Number:	006651481SKS
Line Number:	1
Method Code:	H141
Quantity Tons:	0.10000
Quantity Waste:	200.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Metal drums, barrels, kegs
Quantity Type:	Pounds
State Code:	223

Year:	2019
EM Manifest ID:	006537991SKS20180713_D_1
Shipment Date:	7/13/2018
Receipt Date:	7/27/2018
Manifest Number:	006537991SKS
Generator EPA ID:	CAD981439342
Name:	GREYHOUND LINES 892001-1815
Address:	Not reported
Address 2:	Not reported
City:	Not reported
Zip:	Not reported
Telephone:	Not reported
Contact:	Not reported
Contact Telephone:	Not reported
Transporter 1 EPA ID:	TXR000081205
Transporter 1 Emergency Number:	Not reported
Transporter 2 EPA ID:	MAD039322250
Transporter 2 Emergency Number:	Not reported
TSDF EPA ID:	AZR000003681
TSDF Name:	THERMO FLUIDS INC
TSDF Address 1:	Not reported
TSDF Address 2:	Not reported
TSDF City:	Not reported

GREYHOUND LINES INC #892001 (Continued) **S123816196**

TSDF Zip:	Not reported
TSDF Telephone:	Not reported

State:

Year:	2019
EM Manifest ID:	006537991SKS20180713_D_1
Generator EPA ID:	CAD981439342
Shipment Date:	2018-07-13
Manifest Number:	006537991SKS
Line Number:	1
Method Code:	H039
Quantity Tons:	0.60000
Quantity Waste:	1200.000000
Quantity Unit:	P
Number of Containers:	4
Type of Container:	NULL
Quantity Type:	NULL
State Code:	223

Year:	2019
EM Manifest ID:	a035b757-5c16-474f-a189-478086bc4181
Shipment Date:	5/31/2019
Receipt Date:	6/13/2019
Manifest Number:	007061772SKS
Generator EPA ID:	CAD981439342
Name:	GREYHOUND LINES 892001-1815
Address:	1614 E 7TH ST
Address 2:	Not reported
City:	LOS ANGELES
Zip:	90021
Telephone:	800-483-3718
Contact:	Samuel Acosta
Contact Telephone:	513-419-3315
Transporter 1 EPA ID:	TXR000081205
Transporter 1 Emergency Number:	Not reported
Transporter 2 EPA ID:	MAD039322250
Transporter 2 Emergency Number:	Not reported
TSDF EPA ID:	CAD044429835
TSDF Name:	Clean Harbors Wilmington LLC
TSDF Address 1:	1737 East Denni Street
TSDF Address 2:	Not reported
TSDF City:	Wilmington
TSDF Zip:	90744
TSDF Telephone:	800-483-3718

State:

Year:	2019
EM Manifest ID:	a035b757-5c16-474f-a189-478086bc4181
Generator EPA ID:	CAD981439342
Shipment Date:	2019-05-31
Manifest Number:	007061772SKS
Line Number:	1
Method Code:	H141
Quantity Tons:	0.07500
Quantity Waste:	150.000000
Quantity Unit:	P
Number of Containers:	1

GREYHOUND LINES INC #892001 (Continued) **S123816196**

Type of Container: Metal drums, barrels, kegs
Quantity Type: Pounds
State Code: 223

Year: 2019
EM Manifest ID: 68a9743a-250d-4fd8-beb8-1168a2da0571
Shipment Date: 5/31/2019
Receipt Date: 6/4/2019
Manifest Number: 007061770SKS
Generator EPA ID: CAD981439342
Name: GREYHOUND LINES 892001-1815
Address: 1614 E 7TH ST
Address 2: Not reported
City: LOS ANGELES
Zip: 90021
Telephone: 800-483-3718
Contact: Samuel Acosta
Contact Telephone: 513-419-3315
Transporter 1 EPA ID: TXR000081205
Transporter 1 Emergency Number: Not reported
Transporter 2 EPA ID: MAD039322250
Transporter 2 Emergency Number: Not reported
TSDF EPA ID: CAT000613935
TSDF Name: Safety-Kleen Systems, Inc.
TSDF Address 1: 2918 Worthen Avenue
TSDF Address 2: Not reported
TSDF City: Los Angeles
TSDF Zip: 90039
TSDF Telephone: 800-483-3718

State:
Year: 2019
EM Manifest ID: 68a9743a-250d-4fd8-beb8-1168a2da0571
Generator EPA ID: CAD981439342
Shipment Date: 2019-05-31
Manifest Number: 007061770SKS
Line Number: 1
Method Code: H141
Quantity Tons: 0.16800
Quantity Waste: 40.000000
Quantity Unit: G
Number of Containers: 2
Type of Container: Fiberboard or plastic drums, barrels, kegs
Quantity Type: Gallons
State Code: 134

Detail Two:
Year: 2018
EM Manifest ID: 005839043SKS20170915_D_1
Shipment Date: 9/15/2017
Receipt Date: 10/6/2017
Manifest Number: 005839043SKS
Generator EPA ID: CAD981439342
Name: GREYHOUND LINES 892001-1815
Address: Not reported

GREYHOUND LINES INC #892001 (Continued) **S123816196**

Address 2: Not reported
City: Not reported
Zip: Not reported
Telephone: Not reported
Contact: Not reported
Contact Telephone: Not reported
Transporter 1 EPA ID: TXR000081205
Transporter 1 Emergency Number: Not reported
Transporter 2 EPA ID: MAD039322250
Transporter 2 Emergency Number: Not reported
TSDF EPA ID: CAD059494310
TSDF Name: CLEAN HARBORS SAN JOSE
TSDF Address 1: Not reported
TSDF Address 2: Not reported
TSDF City: Not reported
TSDF Zip: Not reported
TSDF Telephone: Not reported

State:
Year: 2018
EM Manifest ID: 005839043SKS20170915_D_1
Generator EPA ID: CAD981439342
Shipment Date: 2017-09-15
Manifest Number: 005839043SKS
Line Number: 1
Method Code: H141
Quantity Tons: 0.15000
Quantity Waste: 300.000000
Quantity Unit: P
Number of Containers: 2
Type of Container: NULL
Quantity Type: NULL
State Code: 223

Year: 2018
EM Manifest ID: 006153159SKS20170915_D_1
Shipment Date: 9/15/2017
Receipt Date: 10/4/2017
Manifest Number: 006153159SKS
Generator EPA ID: CAD981439342
Name: GREYHOUND LINES 892001-1815
Address: Not reported
Address 2: Not reported
City: Not reported
Zip: Not reported
Telephone: Not reported
Contact: Not reported
Contact Telephone: Not reported
Transporter 1 EPA ID: TXR000081205
Transporter 1 Emergency Number: Not reported
Transporter 2 EPA ID: MAD039322250
Transporter 2 Emergency Number: Not reported
TSDF EPA ID: CAD980675276
TSDF Name: CLEANHARBORS OF BUTTONWILLOW
TSDF Address 1: Not reported
TSDF Address 2: Not reported
TSDF City: Not reported

GREYHOUND LINES INC #892001 (Continued) **S123816196**

TSDF Zip:	Not reported
TSDF Telephone:	Not reported

State:

Year:	2018
EM Manifest ID:	006153159SKS20170915_D_1
Generator EPA ID:	CAD981439342
Shipment Date:	2017-09-15
Manifest Number:	006153159SKS
Line Number:	1
Method Code:	H132
Quantity Tons:	0.10000
Quantity Waste:	200.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
State Code:	223

Year:	2018
EM Manifest ID:	006342411SKS20170915_D_1
Shipment Date:	9/15/2017
Receipt Date:	9/22/2017
Manifest Number:	006342411SKS
Generator EPA ID:	CAD981439342
Name:	GREYHOUND LINES 892001 - 1815
Address:	Not reported
Address 2:	Not reported
City:	Not reported
Zip:	Not reported
Telephone:	Not reported
Contact:	Not reported
Contact Telephone:	Not reported
Transporter 1 EPA ID:	TXR000081205
Transporter 1 Emergency Number:	Not reported
Transporter 2 EPA ID:	MAD039322250
Transporter 2 Emergency Number:	Not reported
TSDF EPA ID:	AZR000003681
TSDF Name:	THERMO FLUIDS INC
TSDF Address 1:	Not reported
TSDF Address 2:	Not reported
TSDF City:	Not reported
TSDF Zip:	Not reported
TSDF Telephone:	Not reported

State:

Year:	2018
EM Manifest ID:	006342411SKS20170915_D_1
Generator EPA ID:	CAD981439342
Shipment Date:	2017-09-15
Manifest Number:	006342411SKS
Line Number:	1
Method Code:	H039
Quantity Tons:	0.30000
Quantity Waste:	600.000000
Quantity Unit:	P
Number of Containers:	3

GREYHOUND LINES INC #892001 (Continued) **S123816196**

Type of Container:	NULL
Quantity Type:	NULL
State Code:	223

Year:	2018
EM Manifest ID:	130525
Shipment Date:	9/10/2018
Receipt Date:	9/24/2018
Manifest Number:	006562088SKS
Generator EPA ID:	CAD981439342
Name:	GREYHOUND LINES 892001-1815
Address:	1614 E 7TH ST
Address 2:	Not reported
City:	LOS ANGELES
Zip:	90021
Telephone:	800-483-3718
Contact:	Jake Furgeson
Contact Telephone:	513-419-3315
Transporter 1 EPA ID:	TXR000081205
Transporter 1 Emergency Number:	Not reported
Transporter 2 EPA ID:	MAD039322250
Transporter 2 Emergency Number:	Not reported
TSDF EPA ID:	CAD044429835
TSDF Name:	Clean Harbors Wilmington LLC
TSDF Address 1:	1737 East Denni Street
TSDF Address 2:	Not reported
TSDF City:	Wilmington
TSDF Zip:	90744
TSDF Telephone:	800-483-3718

State:

Year:	2018
EM Manifest ID:	130525
Generator EPA ID:	CAD981439342
Shipment Date:	2018-09-10
Manifest Number:	006562088SKS
Line Number:	1
Method Code:	H141
Quantity Tons:	0.10000
Quantity Waste:	200.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Metal drums, barrels, kegs
Quantity Type:	Pounds
State Code:	223

Year:	2018
EM Manifest ID:	128381
Shipment Date:	9/10/2018
Receipt Date:	9/20/2018
Manifest Number:	006562087SKS
Generator EPA ID:	CAD981439342
Name:	GREYHOUND LINES 892001-1815
Address:	1614 E 7TH ST
Address 2:	Not reported
City:	LOS ANGELES

GREYHOUND LINES INC #892001 (Continued) **S123816196**

Zip:	90021
Telephone:	800-483-3718
Contact:	Jake Furgeson
Contact Telephone:	513-419-3315
Transporter 1 EPA ID:	TXR000081205
Transporter 1 Emergency Number:	Not reported
Transporter 2 EPA ID:	MAD039322250
Transporter 2 Emergency Number:	Not reported
TSDF EPA ID:	AZR000003681
TSDF Name:	Thermo Fluids, Inc.
TSDF Address 1:	4301 West Jefferson Street
TSDF Address 2:	Not reported
TSDF City:	Phoenix
TSDF Zip:	85043
TSDF Telephone:	800-483-3718

State:

Year:	2018
EM Manifest ID:	128381
Generator EPA ID:	CAD981439342
Shipment Date:	2018-09-10
Manifest Number:	006562087SKS
Line Number:	1
Method Code:	H010
Quantity Tons:	0.45000
Quantity Waste:	900.000000
Quantity Unit:	P
Number of Containers:	3
Type of Container:	Metal drums, barrels, kegs
Quantity Type:	Pounds
State Code:	223

Year:	2018
EM Manifest ID:	006131274SKS20170804_D_1
Shipment Date:	8/4/2017
Receipt Date:	8/22/2017
Manifest Number:	006131274SKS
Generator EPA ID:	CAD981439342
Name:	GREYHOUND LINES 892001-1815
Address:	Not reported
Address 2:	Not reported
City:	Not reported
Zip:	Not reported
Telephone:	Not reported
Contact:	Not reported
Contact Telephone:	Not reported
Transporter 1 EPA ID:	TXR000081205
Transporter 1 Emergency Number:	Not reported
Transporter 2 EPA ID:	MAD039322250
Transporter 2 Emergency Number:	Not reported
TSDF EPA ID:	CAD980675276
TSDF Name:	CLEANHARBORS OF BUTTONWILLOW
TSDF Address 1:	Not reported
TSDF Address 2:	Not reported
TSDF City:	Not reported
TSDF Zip:	Not reported
TSDF Telephone:	Not reported

GREYHOUND LINES INC #892001 (Continued) **S123816196**

State:

Year:	2018
EM Manifest ID:	006131274SKS20170804_D_1
Generator EPA ID:	CAD981439342
Shipment Date:	2017-08-04
Manifest Number:	006131274SKS
Line Number:	1
Method Code:	H132
Quantity Tons:	0.10000
Quantity Waste:	200.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
State Code:	223

Year:	2018
EM Manifest ID:	006153154SKS20170804_D_1
Shipment Date:	8/4/2017
Receipt Date:	8/22/2017
Manifest Number:	006153154SKS
Generator EPA ID:	CAD981439342
Name:	GREYHOUND LINES 892001-1815
Address:	Not reported
Address 2:	Not reported
City:	Not reported
Zip:	Not reported
Telephone:	Not reported
Contact:	Not reported
Contact Telephone:	Not reported
Transporter 1 EPA ID:	TXR000081205
Transporter 1 Emergency Number:	Not reported
Transporter 2 EPA ID:	MAD039322250
Transporter 2 Emergency Number:	Not reported
TSDF EPA ID:	AZR000003681
TSDF Name:	THERMO FLUIDS INC
TSDF Address 1:	Not reported
TSDF Address 2:	Not reported
TSDF City:	Not reported
TSDF Zip:	Not reported
TSDF Telephone:	Not reported

State:

Year:	2018
EM Manifest ID:	006153154SKS20170804_D_1
Generator EPA ID:	CAD981439342
Shipment Date:	2017-08-04
Manifest Number:	006153154SKS
Line Number:	1
Method Code:	H039
Quantity Tons:	0.30000
Quantity Waste:	600.000000
Quantity Unit:	P
Number of Containers:	3
Type of Container:	NULL
Quantity Type:	NULL

GREYHOUND LINES INC #892001 (Continued) **S123816196**

State Code: 223

Year: 2018
EM Manifest ID: 006153156SKS20170804_D_1
Shipment Date: 8/4/2017
Receipt Date: 8/18/2017
Manifest Number: 006153156SKS
Generator EPA ID: CAD981439342
Name: GREYHOUND LINES 892001-1815
Address: Not reported
Address 2: Not reported
City: Not reported
Zip: Not reported
Telephone: Not reported
Contact: Not reported
Contact Telephone: Not reported
Transporter 1 EPA ID: TXR000081205
Transporter 1 Emergency Number: Not reported
Transporter 2 EPA ID: MAD039322250
Transporter 2 Emergency Number: Not reported
TSDF EPA ID: CAD059494310
TSDF Name: CLEAN HARBORS SAN JOSE
TSDF Address 1: Not reported
TSDF Address 2: Not reported
TSDF City: Not reported
TSDF Zip: Not reported
TSDF Telephone: Not reported

State:
Year: 2018
EM Manifest ID: 006153156SKS20170804_D_1
Generator EPA ID: CAD981439342
Shipment Date: 2017-08-04
Manifest Number: 006153156SKS
Line Number: 1
Method Code: H141
Quantity Tons: 0.15000
Quantity Waste: 300.000000
Quantity Unit: P
Number of Containers: 2
Type of Container: NULL
Quantity Type: NULL
State Code: 223

Year: 2018
EM Manifest ID: 006153158SKS20170822_D_1
Shipment Date: 8/22/2017
Receipt Date: 9/1/2017
Manifest Number: 006153158SKS
Generator EPA ID: CAD981439342
Name: GREYHOUND LINES 892001-1815
Address: Not reported
Address 2: Not reported
City: Not reported
Zip: Not reported
Telephone: Not reported

GREYHOUND LINES INC #892001 (Continued) **S123816196**

Contact:	Not reported
Contact Telephone:	Not reported
Transporter 1 EPA ID:	TXR000081205
Transporter 1 Emergency Number:	Not reported
Transporter 2 EPA ID:	MAD039322250
Transporter 2 Emergency Number:	Not reported
TSDF EPA ID:	CAD980675276
TSDF Name:	CLEANHARBORS OF BUTTONWILLOW
TSDF Address 1:	Not reported
TSDF Address 2:	Not reported
TSDF City:	Not reported
TSDF Zip:	Not reported
TSDF Telephone:	Not reported

State:

Year:	2018
EM Manifest ID:	006153158SKS20170822_D_1
Generator EPA ID:	CAD981439342
Shipment Date:	2017-08-22
Manifest Number:	006153158SKS
Line Number:	1
Method Code:	H132
Quantity Tons:	0.10000
Quantity Waste:	200.000000
Quantity Unit:	P
Number of Containers:	2
Type of Container:	NULL
Quantity Type:	NULL
State Code:	223

Year:	2018
EM Manifest ID:	006153155SKS20170822_D_1
Shipment Date:	8/22/2017
Receipt Date:	9/6/2017
Manifest Number:	006153155SKS
Generator EPA ID:	CAD981439342
Name:	GREYHOUND LINES 892001-1815
Address:	Not reported
Address 2:	Not reported
City:	Not reported
Zip:	Not reported
Telephone:	Not reported
Contact:	Not reported
Contact Telephone:	Not reported
Transporter 1 EPA ID:	TXR000081205
Transporter 1 Emergency Number:	Not reported
Transporter 2 EPA ID:	MAD039322250
Transporter 2 Emergency Number:	Not reported
TSDF EPA ID:	AZR000003681
TSDF Name:	THERMO FLUIDS INC
TSDF Address 1:	Not reported
TSDF Address 2:	Not reported
TSDF City:	Not reported
TSDF Zip:	Not reported
TSDF Telephone:	Not reported

State:

GREYHOUND LINES INC #892001 (Continued) **S123816196**

Year:	2018
EM Manifest ID:	006153155SKS20170822_D_1
Generator EPA ID:	CAD981439342
Shipment Date:	2017-08-22
Manifest Number:	006153155SKS
Line Number:	1
Method Code:	H039
Quantity Tons:	0.40000
Quantity Waste:	800.000000
Quantity Unit:	P
Number of Containers:	4
Type of Container:	NULL
Quantity Type:	NULL
State Code:	223

Additional Info:

Year:	2017
Gen EPA ID:	CAD981439342
Shipment Date:	20171221
Creation Date:	11/8/2018 18:30:13
Receipt Date:	20180109
Manifest ID:	006295459SKS
Trans EPA ID:	TXR000081205
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	MAD039322250
Trans 2 Name:	CLEAN HARBORS ENVIRONMENTAL SVC INC
TSDF EPA ID:	AZR000003681
Trans Name:	THERMO FLUIDS INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	0.3
Waste Quantity:	600
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20171221
Creation Date:	8/28/2018 18:30:50
Receipt Date:	20180105
Manifest ID:	006295468SKS
Trans EPA ID:	TXR000081205
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	MAD039322250
Trans 2 Name:	CLEAN HARBORS ENVIRONMENTAL SVC INC
TSDF EPA ID:	CAD980675276
Trans Name:	CLEANHARBORS OF BUTTONWILLOW
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported

GREYHOUND LINES INC #892001 (Continued) **S123816196**

Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	0.1
Waste Quantity:	200
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20171221
Creation Date:	9/27/2018 18:30:12
Receipt Date:	20180102
Manifest ID:	006316363SKS
Trans EPA ID:	TXR000081205
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	MAD039322250
Trans 2 Name:	CLEAN HARBORS ENVIRONMENTAL SVC INC
TSDF EPA ID:	CAD059494310
Trans Name:	CLEAN HARBORS SAN JOSE
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.075
Waste Quantity:	150
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20171221
Creation Date:	8/20/2018 18:30:15
Receipt Date:	20171221
Manifest ID:	006524025SKS
Trans EPA ID:	TXR000081205
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000613935
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.336
Waste Quantity:	80
Quantity Unit:	G

GREYHOUND LINES INC #892001 (Continued) **S123816196**

Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20171206
Creation Date:	8/21/2018 18:30:09
Receipt Date:	20171220
Manifest ID:	006295464SKS
Trans EPA ID:	TXR000081205
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	MAD039322250
Trans 2 Name:	CLEAN HARBORS ENVIRONMENTAL SVC INC
TSDF EPA ID:	CAD980675276
Trans Name:	CLEANHARBORS OF BUTTONWILLOW
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	0.15
Waste Quantity:	300
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20171206
Creation Date:	9/27/2018 18:30:12
Receipt Date:	20180104
Manifest ID:	006295461SKS
Trans EPA ID:	TXR000081205
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	MAD039322250
Trans 2 Name:	CLEAN HARBORS ENVIRONMENTAL SVC INC
TSDF EPA ID:	CAD059494310
Trans Name:	CLEAN HARBORS SAN JOSE
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.075
Waste Quantity:	150
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20171206

GREYHOUND LINES INC #892001 (Continued) **S123816196**

Creation Date:	8/3/2018 18:30:42
Receipt Date:	20171206
Manifest ID:	006412395SKS
Trans EPA ID:	TXR000081205
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000613935
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Recovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.336
Waste Quantity:	80
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20171206
Creation Date:	11/8/2018 18:30:13
Receipt Date:	20171229
Manifest ID:	006412396SKS
Trans EPA ID:	TXR000081205
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	MAD039322250
Trans 2 Name:	CLEAN HARBOR'S
TSDF EPA ID:	AZR000003681
Trans Name:	THERMO FLUIDS INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	0.3
Waste Quantity:	600
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20171118
Creation Date:	7/30/2018 18:30:10
Receipt Date:	20171118
Manifest ID:	005869291SKS
Trans EPA ID:	TXR000081205
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported

GREYHOUND LINES INC #892001 (Continued) **S123816196**

TSDF EPA ID:	CAD099452708
Trans Name:	INDUSTRIAL SERVICE OIL COMPANY INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	133 - Aqueous solution with 10% or more total organic residues
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	1.77225
Waste Quantity:	425
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20171117
Creation Date:	8/3/2018 18:30:42
Receipt Date:	20171117
Manifest ID:	006366991SKS
Trans EPA ID:	TXR000081205
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000613935
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.336
Waste Quantity:	80
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2016
Gen EPA ID:	CAD981439342
Shipment Date:	20151222
Creation Date:	2/9/2016 22:15:57
Receipt Date:	20151222
Manifest ID:	005177510SKS
Trans EPA ID:	TXR000081205
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000613935
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	Not reported

GREYHOUND LINES INC #892001 (Continued) **S123816196**

TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.336
Waste Quantity:	80
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20151209
Creation Date:	2/8/2016 22:17:27
Receipt Date:	20151209
Manifest ID:	005169586SKS
Trans EPA ID:	TXR000081205
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000613935
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.252
Waste Quantity:	60
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20151121
Creation Date:	1/11/2016 22:16:49
Receipt Date:	20151121
Manifest ID:	005163994SKS
Trans EPA ID:	TXR000081205
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000613935
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.336
Waste Quantity:	80

GREYHOUND LINES INC #892001 (Continued) **S123816196**

Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20151121
Creation Date:	3/5/2016 22:15:15
Receipt Date:	20151204
Manifest ID:	004803191SKS
Trans EPA ID:	TXR000081205
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD044429835
Trans Name:	CLEAN HARBORS WILMINGTON LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.075
Waste Quantity:	150
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20151105
Creation Date:	12/30/2015 22:15:30
Receipt Date:	20151105
Manifest ID:	005118162SKS
Trans EPA ID:	TXR000081205
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000613935
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.336
Waste Quantity:	80
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

GREYHOUND LINES INC #892001 (Continued) **S123816196**

Shipment Date:	20151014
Creation Date:	12/2/2015 22:15:28
Receipt Date:	20151014
Manifest ID:	005066083SKS
Trans EPA ID:	TXR000081205
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000613935
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.336
Waste Quantity:	80
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20151014
Creation Date:	12/22/2015 22:15:07
Receipt Date:	20151026
Manifest ID:	005066246SKS
Trans EPA ID:	TXR000081205
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD044429835
Trans Name:	CLEAN HARBORS WILMINGTON LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.075
Waste Quantity:	150
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20150921
Creation Date:	12/22/2015 22:15:07
Receipt Date:	20151009
Manifest ID:	005093061SKS
Trans EPA ID:	TXR000081205
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported

GREYHOUND LINES INC #892001 (Continued) **S123816196**

Trans 2 Name:	Not reported
TSDF EPA ID:	CAD044429835
Trans Name:	CLEAN HARBORS WILMINGTON LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.075
Waste Quantity:	150
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20150921
Creation Date:	1/11/2016 22:15:53
Receipt Date:	20150921
Manifest ID:	005078919SKS
Trans EPA ID:	TXR000081205
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000613935
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.336
Waste Quantity:	80
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20150902
Creation Date:	2/9/2016 22:15:39
Receipt Date:	20150902
Manifest ID:	005078602SKS
Trans EPA ID:	TXR000081205
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000613935
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	Not reported

GREYHOUND LINES INC #892001 (Continued) **S123816196**

Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.252
Waste Quantity:	60
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2015
Gen EPA ID:	CAD981439342
Shipment Date:	20151222
Creation Date:	2/9/2016 22:15:57
Receipt Date:	20151222
Manifest ID:	005177510SKS
Trans EPA ID:	TXR000081205
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000613935
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.336
Waste Quantity:	80
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20151209
Creation Date:	2/8/2016 22:17:27
Receipt Date:	20151209
Manifest ID:	005169586SKS
Trans EPA ID:	TXR000081205
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000613935
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.252

GREYHOUND LINES INC #892001 (Continued) **S123816196**

Waste Quantity:	60
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20151121
Creation Date:	3/5/2016 22:15:15
Receipt Date:	20151204
Manifest ID:	004803191SKS
Trans EPA ID:	TXR000081205
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD044429835
Trans Name:	CLEAN HARBORS WILMINGTON LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.075
Waste Quantity:	150
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20151121
Creation Date:	1/11/2016 22:16:49
Receipt Date:	20151121
Manifest ID:	005163994SKS
Trans EPA ID:	TXR000081205
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000613935
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.336
Waste Quantity:	80
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

GREYHOUND LINES INC #892001 (Continued) **S123816196**

Shipment Date:	20151105
Creation Date:	12/30/2015 22:15:30
Receipt Date:	20151105
Manifest ID:	005118162SKS
Trans EPA ID:	TXR000081205
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000613935
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.336
Waste Quantity:	80
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20151014
Creation Date:	12/2/2015 22:15:28
Receipt Date:	20151014
Manifest ID:	005066083SKS
Trans EPA ID:	TXR000081205
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000613935
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.336
Waste Quantity:	80
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20151014
Creation Date:	12/22/2015 22:15:07
Receipt Date:	20151026
Manifest ID:	005066246SKS
Trans EPA ID:	TXR000081205
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported

GREYHOUND LINES INC #892001 (Continued) **S123816196**

Trans 2 Name:	Not reported
TSDF EPA ID:	CAD044429835
Trans Name:	CLEAN HARBORS WILMINGTON LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.075
Waste Quantity:	150
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20150921
Creation Date:	12/22/2015 22:15:07
Receipt Date:	20151009
Manifest ID:	005093061SKS
Trans EPA ID:	TXR000081205
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD044429835
Trans Name:	CLEAN HARBORS WILMINGTON LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.075
Waste Quantity:	150
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20150921
Creation Date:	1/11/2016 22:15:53
Receipt Date:	20150921
Manifest ID:	005078919SKS
Trans EPA ID:	TXR000081205
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000613935
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	Not reported

GREYHOUND LINES INC #892001 (Continued) **S123816196**

Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.336
Waste Quantity:	80
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20150902
Creation Date:	2/9/2016 22:15:39
Receipt Date:	20150902
Manifest ID:	005078602SKS
Trans EPA ID:	TXR000081205
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000613935
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.252
Waste Quantity:	60
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2014
Gen EPA ID:	CAD981439342
Shipment Date:	20141229
Creation Date:	3/3/2015 22:15:07
Receipt Date:	20141229
Manifest ID:	004618878SKS
Trans EPA ID:	TXR000081205
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000613935
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.336

GREYHOUND LINES INC #892001 (Continued) **S123816196**

Waste Quantity:	80
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20141211
Creation Date:	2/6/2015 22:15:34
Receipt Date:	20141211
Manifest ID:	004601669SKS
Trans EPA ID:	TXR000081205
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000613935
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.336
Waste Quantity:	80
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20141211
Creation Date:	3/27/2015 22:15:05
Receipt Date:	20141226
Manifest ID:	004536489SKS
Trans EPA ID:	TXR000081205
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD044429835
Trans Name:	CLEAN HARBORS WILMINGTON LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.1
Waste Quantity:	200
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

GREYHOUND LINES INC #892001 (Continued) **S123816196**

Shipment Date:	20141119
Creation Date:	2/7/2015 22:15:11
Receipt Date:	20141119
Manifest ID:	004515949SKS
Trans EPA ID:	TXR000081205
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000613935
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.336
Waste Quantity:	80
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20141030
Creation Date:	1/26/2015 22:15:11
Receipt Date:	20141030
Manifest ID:	004594141SKS
Trans EPA ID:	TXR000081205
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000613935
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.336
Waste Quantity:	80
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20141007
Creation Date:	12/17/2014 22:14:47
Receipt Date:	20141007
Manifest ID:	004569873SKS
Trans EPA ID:	TXR000081205
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported

GREYHOUND LINES INC #892001 (Continued) **S123816196**

Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000613935
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.336
Waste Quantity:	80
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20141007
Creation Date:	12/17/2014 22:14:47
Receipt Date:	20141007
Manifest ID:	004569873SKS
Trans EPA ID:	TXR000081205
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000613935
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.168
Waste Quantity:	40
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20140919
Creation Date:	11/22/2014 22:15:14
Receipt Date:	20140919
Manifest ID:	004569582SKS
Trans EPA ID:	TXR000081205
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000613935
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	Not reported

GREYHOUND LINES INC #892001 (Continued) **S123816196**

Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Recovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.504
Waste Quantity:	120
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20140919
Creation Date:	11/22/2014 22:15:14
Receipt Date:	20140919
Manifest ID:	004569582SKS
Trans EPA ID:	TXR000081205
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000613935
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Recovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.084
Waste Quantity:	20
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20140829
Creation Date:	10/31/2014 22:14:57
Receipt Date:	20140829
Manifest ID:	004328532SKS
Trans EPA ID:	TXR000081205
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000613935
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Recovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.42
Waste Quantity:	100
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported

GREYHOUND LINES INC #892001 (Continued) **S123816196**

Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2013
Gen EPA ID:	CAD981439342
Shipment Date:	20131220
Creation Date:	3/18/2014 22:15:12
Receipt Date:	20131220
Manifest ID:	003911185SKS
Trans EPA ID:	TXR000081205
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000613935
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Recovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.06
Waste Quantity:	120
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20131220
Creation Date:	5/1/2014 22:14:57
Receipt Date:	20140106
Manifest ID:	004123619SKS
Trans EPA ID:	TXR000081205
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD044429835
Trans Name:	CLEAN HARBORS WILMINGTON LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Recovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.075
Waste Quantity:	150
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

GREYHOUND LINES INC #892001 (Continued) **S123816196**

Shipment Date:	20131202
Creation Date:	3/18/2014 22:15:12
Receipt Date:	20131202
Manifest ID:	004066526SKS
Trans EPA ID:	TXR000081205
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000613935
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.504
Waste Quantity:	120
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20131113
Creation Date:	2/25/2014 22:15:05
Receipt Date:	20131120
Manifest ID:	003951718SKS
Trans EPA ID:	TXR000081205
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD044429835
Trans Name:	CLEAN HARBORS WILMINGTON LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.15
Waste Quantity:	300
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20131112
Creation Date:	3/3/2014 22:15:17
Receipt Date:	20131112
Manifest ID:	004015280SKS
Trans EPA ID:	TXR000081205
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported

GREYHOUND LINES INC #892001 (Continued) **S123816196**

Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000613935
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.126
Waste Quantity:	30
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20131112
Creation Date:	3/3/2014 22:15:17
Receipt Date:	20131112
Manifest ID:	004015280SKS
Trans EPA ID:	TXR000081205
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000613935
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.315
Waste Quantity:	75
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20131022
Creation Date:	2/25/2014 22:15:05
Receipt Date:	20131022
Manifest ID:	003910969SKS
Trans EPA ID:	TXR000081205
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000613935
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	Not reported

GREYHOUND LINES INC #892001 (Continued) **S123816196**

Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Recovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.252
Waste Quantity:	60
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20131022
Creation Date:	2/25/2014 22:15:05
Receipt Date:	20131022
Manifest ID:	003910969SKS
Trans EPA ID:	TXR000081205
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000613935
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Recovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.168
Waste Quantity:	40
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20131022
Creation Date:	3/7/2014 22:15:07
Receipt Date:	20131024
Manifest ID:	003747373SKS
Trans EPA ID:	TXR000081205
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000613893
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Recovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.075
Waste Quantity:	150
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported

GREYHOUND LINES INC #892001 (Continued) **S123816196**

Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20130930
Creation Date:	12/10/2013 22:15:06
Receipt Date:	20130930
Manifest ID:	003716958SKS
Trans EPA ID:	TXR000081205
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000613935
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.2352
Waste Quantity:	56
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2012
Gen EPA ID:	CAD981439342
Shipment Date:	20121221
Creation Date:	5/4/2013 22:15:12
Receipt Date:	20121228
Manifest ID:	003616737SKS
Trans EPA ID:	TXR000081205
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000613893
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.504
Waste Quantity:	120
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

GREYHOUND LINES INC #892001 (Continued) **S123816196**

Shipment Date:	20121129
Creation Date:	4/17/2013 22:15:34
Receipt Date:	20121203
Manifest ID:	003557606SKS
Trans EPA ID:	TXR000081205
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000613893
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Recovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.504
Waste Quantity:	120
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20121129
Creation Date:	4/15/2013 22:15:20
Receipt Date:	20121210
Manifest ID:	003557605SKS
Trans EPA ID:	TXR000081205
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	OKD981588791
Trans 2 Name:	TRIAD TRANSPORT INC
TSDF EPA ID:	NVT330010000
Trans Name:	US ECOLOGY NEVADA
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	0.06
Waste Quantity:	120
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20121115
Creation Date:	4/4/2013 22:15:21
Receipt Date:	20121119
Manifest ID:	003433614SKS
Trans EPA ID:	TXR000081205
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported

GREYHOUND LINES INC #892001 (Continued) **S123816196**

Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000613893
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.504
Waste Quantity:	120
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20121031
Creation Date:	3/22/2013 22:15:24
Receipt Date:	20121102
Manifest ID:	003436361SKS
Trans EPA ID:	TXR000081205
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000613893
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.504
Waste Quantity:	120
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20121011
Creation Date:	12/20/2012 22:15:18
Receipt Date:	20121011
Manifest ID:	003426523SKS
Trans EPA ID:	TXR000081205
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000613935
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	Not reported

GREYHOUND LINES INC #892001 (Continued) **S123816196**

Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.672
Waste Quantity:	160
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20121011
Creation Date:	8/18/2013 22:15:07
Receipt Date:	20121024
Manifest ID:	003535134SKS
Trans EPA ID:	TXR000081205
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	OKD981588791
Trans 2 Name:	TRIAD TRANSPORT
TSDF EPA ID:	NVT330010000
Trans Name:	US ECOLOGY NEVADA
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	0.05
Waste Quantity:	100
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20121003
Creation Date:	12/20/2012 22:15:18
Receipt Date:	20121003
Manifest ID:	003535085SKS
Trans EPA ID:	TXR000081205
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	DEMENNO / KERDOON
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	222 - Oil/water separation sludge
RCRA Code:	Not reported
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	15.6375
Waste Quantity:	3750
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported

GREYHOUND LINES INC #892001 (Continued) **S123816196**

Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20121003
Creation Date:	12/20/2012 22:15:18
Receipt Date:	20121003
Manifest ID:	003535081SKS
Trans EPA ID:	TXR000081205
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	DEMENNO / KERDOON
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	222 - Oil/water separation sludge
RCRA Code:	Not reported
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	20.85
Waste Quantity:	5000
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20121003
Creation Date:	12/20/2012 22:15:18
Receipt Date:	20121003
Manifest ID:	003535082SKS
Trans EPA ID:	TXR000081205
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	DEMENNO / KERDOON
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	222 - Oil/water separation sludge
RCRA Code:	Not reported
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	11.676
Waste Quantity:	2800
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

LOS ANGELES HM:

Name:	GREYHOUND LINES, INC. #892001
Address:	1614 E 7TH ST

GREYHOUND LINES INC #892001 (Continued) **S123816196**

City,State,Zip: LOS ANGELES, CA 90021
Facility ID: FA0003095
Last Run Date: 11/01/2022
Status: INACTIVE

Name: GREYHOUND LINES, INC. #892001
Address: 1614 E 7TH ST
City,State,Zip: LOS ANGELES, CA 90021
Facility ID: FA0003095
Last Run Date: 11/01/2022
Status: ACTIVE

HWTS:
Name: GREYHOUND LINES INC #892001
Address: 1614 E 7TH ST
Address 2: Not reported
City,State,Zip: LOS ANGELES, CA 90021
EPA ID: CAD981439342
Inactive Date: Not reported
Create Date: 04/10/1987
Last Act Date: Not reported
Mailing Name: Not reported
Mailing Address: 110 PERIMETER PARK STE E
Mailing Address 2: Not reported
Mailing City,State,Zip: KNOXVILLE, TN 379220000
Owner Name: GREYHOUND LINES INC
Owner Address: 600 VINE ST STE 1400
Owner Address 2: Not reported
Owner City,State,Zip: CINCINNATI, OH 452020000
Contact Name: MARTHA TERRELL
Contact Address: 110 PERIMETER PARK
Contact Address 2: Not reported
City,State,Zip: KNOXVILLE, TN 37922
Facility Status: Active
Facility Type: PERMANENT
Category: FEDERAL
Latitude: 34.034846
Longitude: -118.237234

NAICS:
EPA ID: CAD981439342
Create Date: 2002-03-14 16:36:26.000
NAICS Code: 48521
NAICS Description: Interurban and Rural Bus Transportation
Issued EPA ID Date: 1987-04-10 00:00:00
Inactive Date: Not reported
Facility Name: GREYHOUND LINES INC #892001
Facility Address: 1614 E 7TH ST
Facility Address 2: Not reported
Facility City: LOS ANGELES
Facility County: Not reported
Facility State: CA
Facility Zip: 900210000

J73
ENE
< 1/8
0.114 mi.
602 ft.

GREYHOUND LINES, INC. #892001
1614 EAST 7TH STREET
LOS ANGELES, CA 90021

Site 10 of 14 in cluster J

UST **U004352467**
N/A

Relative:
Higher

Actual:
248 ft.

UST:

Name:	GREYHOUND LINES, INC. #892001
Address:	1614 EAST 7TH STREET
City,State,Zip:	LOS ANGELES, CA 90021
Facility ID:	FA0003095
Permitting Agency:	Los Angeles City Fire Department
CERSID:	10401337
Latitude:	34.0348600
Longitude:	-118.237150
Owner type:	Not reported
Facility type:	Not reported
Num of inuse ust:	Not reported
Num of closed ust:	Not reported
Num of oos ust:	Not reported
Epa region:	Not reported
Tribal lands:	Not reported
Tank owner name:	Not reported
Tank owner mailing address:	Not reported
Tank owner mailing city:	Not reported
Tank owner mailing zip:	Not reported
Tank owner mailing state:	Not reported
Tank operator name:	Not reported
Tank operator mailing address:	Not reported
Tank operator mailing city:	Not reported
Tank operator mailing zip:	Not reported
Tank operator mailing state:	Not reported
Tankidnumber:	Not reported
Tank status:	Not reported
Tank configuration:	Not reported
Tank closure date:	Not reported
Tank installation date:	Not reported
Tank num of compartments:	Not reported
Tank contents:	Not reported
Tank capacity gallons:	Not reported
Tank type:	Not reported
Tank pc construction:	Not reported
Tank pwpiping construction:	Not reported
Tank piping type:	Not reported
Tank piping construction:	Not reported
Tank sacrificial anode:	Not reported
Tank cp impressed current:	Not reported
Tank cp shutoff:	Not reported
Tank alarms:	Not reported
Tank ball float:	Not reported
Tank spill bucket:	Not reported

J74 **GREYHOUND LINES INC** **LUST U001560882**
ENE **1614 E 7TH ST** **HIST UST N/A**
< 1/8 **LOS ANGELES, CA 90021**
0.114 mi.
602 ft. **Site 11 of 14 in cluster J**

Relative: **Higher**
Actual: **248 ft.**

LUST:

Name:	GREYHOUND LINES INC
Address:	1614 E 7TH ST
City,State,Zip:	LOS ANGELES, CA 90021
Lead Agency:	LOS ANGELES RWQCB (REGION 4)
Case Type:	LUST Cleanup Site
Geo Track:	http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0603770957
Global Id:	T0603770957
Latitude:	34.034139
Longitude:	-118.23679
Status:	Completed - Case Closed
Status Date:	08/01/2016
Case Worker:	JR
RB Case Number:	900210198
Local Agency:	LOS ANGELES, CITY OF
File Location:	Not reported
Local Case Number:	TT
Potential Media Affect:	Soil
Potential Contaminants of Concern:	Diesel
Site History:	Not reported

LUST:

Global Id:	T0603770957
Contact Type:	Local Agency Caseworker
Contact Name:	ELOY LUNA
Organization Name:	LOS ANGELES, CITY OF
Address:	200 North Main Street, Suite 1780
City:	LOS ANGELES
Email:	eloy.luna@lacity.org
Phone Number:	Not reported

Global Id:	T0603770957
Contact Type:	Regional Board Caseworker
Contact Name:	JAMES RYAN
Organization Name:	LOS ANGELES RWQCB (REGION 4)
Address:	West 4th Street, Suite 200
City:	LOS ANGELES
Email:	jamesw.ryan@waterboards.ca.gov
Phone Number:	2135766711

LUST:

Global Id:	T0603770957
Action Type:	ENFORCEMENT
Date:	08/01/2016
Action:	Closure/No Further Action Letter

Global Id:	T0603770957
Action Type:	ENFORCEMENT
Date:	05/10/2016
Action:	Notification - Preclosure

Global Id:	T0603770957
Action Type:	Other

GREYHOUND LINES INC (Continued) **U001560882**

Date: 04/12/1990
Action: Leak Discovery

Global Id: T0603770957
Action Type: RESPONSE
Date: 11/01/2005
Action: Soil and Water Investigation Workplan

Global Id: T0603770957
Action Type: RESPONSE
Date: 02/01/2005
Action: Soil and Water Investigation Workplan

Global Id: T0603770957
Action Type: RESPONSE
Date: 01/01/1994
Action: Tank Removal Report / UST Sampling Report

Global Id: T0603770957
Action Type: RESPONSE
Date: 07/15/2015
Action: Soil and Water Investigation Workplan

Global Id: T0603770957
Action Type: RESPONSE
Date: 07/10/2016
Action: Correspondence

Global Id: T0603770957
Action Type: ENFORCEMENT
Date: 08/19/2015
Action: Staff Letter

Global Id: T0603770957
Action Type: ENFORCEMENT
Date: 03/18/2015
Action: Referral to Regional Board

Global Id: T0603770957
Action Type: Other
Date: 04/12/1990
Action: Leak Reported

Global Id: T0603770957
Action Type: RESPONSE
Date: 04/30/2016
Action: Soil and Water Investigation Report - Regulator Responded

Global Id: T0603770957
Action Type: RESPONSE
Date: 11/15/2015
Action: Soil and Water Investigation Workplan - Regulator Responded

Global Id: T0603770957
Action Type: ENFORCEMENT
Date: 12/28/2015
Action: Staff Letter

GREYHOUND LINES INC (Continued) **U001560882**

Global Id: T0603770957
Action Type: ENFORCEMENT
Date: 04/21/2015
Action: Staff Letter

LUST:
Global Id: T0603770957
Status: Open - Case Begin Date
Status Date: 04/12/1990

Global Id: T0603770957
Status: Open - Site Assessment
Status Date: 10/27/2004

Global Id: T0603770957
Status: Open - Eligible for Closure
Status Date: 08/16/2013

Global Id: T0603770957
Status: Open - Site Assessment
Status Date: 08/16/2013

Global Id: T0603770957
Status: Open - Eligible for Closure
Status Date: 01/03/2014

Global Id: T0603770957
Status: Open - Site Assessment
Status Date: 03/19/2015

Global Id: T0603770957
Status: Open - Eligible for Closure
Status Date: 05/10/2016

Global Id: T0603770957
Status: Completed - Case Closed
Status Date: 08/01/2016

HIST UST:
Name: LOS ANGELES MAINT. CENTER
Address: 1614 E 7TH ST
City,State,Zip: LOS ANGELES, CA 90021
File Number: Not reported
URL: Not reported
Region: STATE
Facility ID: 00000003027
Facility Type: Other
Other Type: BUS MAINT. & FUELING
Contact Name: L.R. GALLOWAY
Telephone: 2136298461
Owner Name: GREYHOUND LINES, INC.
Owner Address: GREYHOUND TOWER
Owner City,St,Zip: PHOENIX, AZ 85077
Total Tanks: 0014

GREYHOUND LINES INC (Continued) **U001560882**

Tank Num: 001
Container Num: 1
Year Installed: 1971
Tank Capacity: 00010000
Tank Used for: PRODUCT
Type of Fuel: Not reported
Container Construction Thickness: Not reported
Leak Detection: Stock Inventor

Tank Num: 001
Container Num: 1
Year Installed: 1971
Tank Capacity: 00010000
Tank Used for: PRODUCT
Type of Fuel: 06
Container Construction Thickness: Not reported
Leak Detection: Stock Inventor

Tank Num: 002
Container Num: T-2
Year Installed: 1971
Tank Capacity: 00010000
Tank Used for: PRODUCT
Type of Fuel: Not reported
Container Construction Thickness: Not reported
Leak Detection: Stock Inventor

Tank Num: 002
Container Num: T-2
Year Installed: 1971
Tank Capacity: 00010000
Tank Used for: PRODUCT
Type of Fuel: Not reported
Container Construction Thickness: Not reported
Leak Detection: Stock Inventor

Tank Num: 003
Container Num: T-3
Year Installed: 1971
Tank Capacity: 00020000
Tank Used for: PRODUCT
Type of Fuel: DIESEL
Container Construction Thickness: Not reported
Leak Detection: Stock Inventor

Tank Num: 003
Container Num: T-3
Year Installed: 1971
Tank Capacity: 00020000
Tank Used for: PRODUCT
Type of Fuel: DIESEL
Container Construction Thickness: Not reported
Leak Detection: Stock Inventor

Tank Num: 004
Container Num: T-4
Year Installed: 1971

GREYHOUND LINES INC (Continued) **U001560882**

Tank Capacity: 00020000
Tank Used for: PRODUCT
Type of Fuel: DIESEL
Container Construction Thickness: Not reported
Leak Detection: Stock Inventor

Tank Num: 004
Container Num: T-4
Year Installed: 1971
Tank Capacity: 00020000
Tank Used for: PRODUCT
Type of Fuel: DIESEL
Container Construction Thickness: Not reported
Leak Detection: Stock Inventor

Tank Num: 005
Container Num: T-5
Year Installed: 1971
Tank Capacity: 00015000
Tank Used for: WASTE
Type of Fuel: WASTE OIL
Container Construction Thickness: Not reported
Leak Detection: None

Tank Num: 005
Container Num: T-5
Year Installed: 1971
Tank Capacity: 00015000
Tank Used for: WASTE
Type of Fuel: WASTE OIL
Container Construction Thickness: Not reported
Leak Detection: None

Tank Num: 006
Container Num: T-6
Year Installed: 1975
Tank Capacity: 00010000
Tank Used for: PRODUCT
Type of Fuel: UNLEADED
Container Construction Thickness: Not reported
Leak Detection: Stock Inventor

Tank Num: 006
Container Num: T-6
Year Installed: 1975
Tank Capacity: 00010000
Tank Used for: PRODUCT
Type of Fuel: UNLEADED
Container Construction Thickness: Not reported
Leak Detection: Stock Inventor

Tank Num: 007
Container Num: S-7
Year Installed: 1971
Tank Capacity: 00003750
Tank Used for: WASTE
Type of Fuel: Not reported

GREYHOUND LINES INC (Continued) **U001560882**

Container Construction Thickness: Not reported
Leak Detection: None

Tank Num: 007
Container Num: S-7
Year Installed: 1971
Tank Capacity: 00003750
Tank Used for: WASTE
Type of Fuel: Not reported
Container Construction Thickness: Not reported
Leak Detection: None

Tank Num: 008
Container Num: S-8
Year Installed: 1971
Tank Capacity: 00001250
Tank Used for: WASTE
Type of Fuel: Not reported
Container Construction Thickness: Not reported
Leak Detection: None

Tank Num: 008
Container Num: S-8
Year Installed: 1971
Tank Capacity: 00001250
Tank Used for: WASTE
Type of Fuel: Not reported
Container Construction Thickness: Not reported
Leak Detection: None

Tank Num: 009
Container Num: S-9
Year Installed: 1971
Tank Capacity: 00001250
Tank Used for: WASTE
Type of Fuel: Not reported
Container Construction Thickness: Not reported
Leak Detection: None

Tank Num: 009
Container Num: S-9
Year Installed: 1971
Tank Capacity: 00001250
Tank Used for: WASTE
Type of Fuel: Not reported
Container Construction Thickness: Not reported
Leak Detection: None

Tank Num: 010
Container Num: S-10
Year Installed: 1971
Tank Capacity: 00001250
Tank Used for: WASTE
Type of Fuel: Not reported
Container Construction Thickness: Not reported
Leak Detection: None

GREYHOUND LINES INC (Continued) **U001560882**

Tank Num: 010
Container Num: Not reported
Year Installed: 1971
Tank Capacity: 00001250
Tank Used for: WASTE
Type of Fuel: Not reported
Container Construction Thickness: Not reported
Leak Detection: None

Tank Num: 011
Container Num: S-11
Year Installed: 1971
Tank Capacity: 00001250
Tank Used for: WASTE
Type of Fuel: Not reported
Container Construction Thickness: Not reported
Leak Detection: None

Tank Num: 011
Container Num: S-11
Year Installed: 1971
Tank Capacity: 00001250
Tank Used for: WASTE
Type of Fuel: Not reported
Container Construction Thickness: Not reported
Leak Detection: None

Tank Num: 012
Container Num: S-12
Year Installed: 1971
Tank Capacity: 00001250
Tank Used for: WASTE
Type of Fuel: Not reported
Container Construction Thickness: Not reported
Leak Detection: None

Tank Num: 012
Container Num: S-12
Year Installed: 1971
Tank Capacity: 00001250
Tank Used for: WASTE
Type of Fuel: Not reported
Container Construction Thickness: Not reported
Leak Detection: None

Tank Num: 013
Container Num: S-13
Year Installed: 1971
Tank Capacity: 00001250
Tank Used for: WASTE
Type of Fuel: Not reported
Container Construction Thickness: Not reported
Leak Detection: None

Tank Num: 013
Container Num: S-13
Year Installed: 1971

GREYHOUND LINES INC (Continued) **U001560882**

Tank Capacity:	00001250
Tank Used for:	WASTE
Type of Fuel:	Not reported
Container Construction Thickness:	Not reported
Leak Detection:	None

Tank Num:	014
Container Num:	S-14
Year Installed:	1971
Tank Capacity:	00000033
Tank Used for:	WASTE
Type of Fuel:	WASTE OIL
Container Construction Thickness:	Not reported
Leak Detection:	None

Tank Num:	014
Container Num:	S-14
Year Installed:	1971
Tank Capacity:	00000033
Tank Used for:	WASTE
Type of Fuel:	WASTE OIL
Container Construction Thickness:	Not reported
Leak Detection:	None

J75
ENE
< 1/8
0.114 mi.
602 ft.

Relative:
Higher

Actual:
248 ft.

GREYHOUND LINES INC. LOS ANGELES MAINTENENCE
1614 E 7TH ST
LOS ANGELES, CA 90021

Site 12 of 14 in cluster J

CERS HAZ WASTE
SWEEPS UST
CERS TANKS
CA FID UST
WDS
CERS

S101617241
N/A

CERS HAZ WASTE:

Name:	GREYHOUND LINES, INC. #892001
Address:	1614 EAST 7TH STREET
City,State,Zip:	LOS ANGELES, CA 90021
Site ID:	34485
CERS ID:	10401337
CERS Description:	Hazardous Waste Generator

SWEEPS UST:

Name:	GREYHOUND LINES INC./LOS ANGELES MAINTENENCE
Address:	1614 E 7TH ST
City:	LOS ANGELES
Status:	Active
Comp Number:	104
Number:	1
Board Of Equalization:	44-032091
Referral Date:	06-06-93
Action Date:	04-08-94
Created Date:	02-29-88
Owner Tank Id:	Not reported
SWRCB Tank Id:	Not reported
Tank Status:	Not reported
Capacity:	Not reported
Active Date:	Not reported
Tank Use:	Not reported
STG:	Not reported

GREYHOUND LINES INC. LOS ANGELES MAINTENENCE (Continued) **S101617241**

Content: Not reported
Number Of Tanks: Not reported

Name: GREYHOUND LINES INC. LOS ANGELES MAINTENENCE
Address: 1614 E 7TH ST
City: LOS ANGELES
Status: Not reported
Comp Number: 104
Number: Not reported
Board Of Equalization: 44-032091
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 19-050-000104-000001
Tank Status: Not reported
Capacity: 10000
Active Date: Not reported
Tank Use: CHEMICAL
STG: PRODUCT
Content: TOILET CHEMI
Number Of Tanks: 4

Name: GREYHOUND LINES INC. LOS ANGELES MAINTENENCE
Address: 1614 E 7TH ST
City: LOS ANGELES
Status: Not reported
Comp Number: 104
Number: Not reported
Board Of Equalization: 44-032091
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 19-050-000104-000002
Tank Status: Not reported
Capacity: 10000
Active Date: Not reported
Tank Use: CHEMICAL
STG: PRODUCT
Content: ANTI-FREEZE
Number Of Tanks: Not reported

Name: GREYHOUND LINES INC. LOS ANGELES MAINTENENCE
Address: 1614 E 7TH ST
City: LOS ANGELES
Status: Not reported
Comp Number: 104
Number: Not reported
Board Of Equalization: 44-032091
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 19-050-000104-000003
Tank Status: Not reported
Capacity: 20000

GREYHOUND LINES INC. LOS ANGELES MAINTENENCE (Continued) **S101617241**

Active Date:	Not reported
Tank Use:	M.V. FUEL
STG:	PRODUCT
Content:	DIESEL
Number Of Tanks:	Not reported

Name:	GREYHOUND LINES INC. LOS ANGELES MAINTENENCE
Address:	1614 E 7TH ST
City:	LOS ANGELES
Status:	Not reported
Comp Number:	104
Number:	Not reported
Board Of Equalization:	44-032091
Referral Date:	Not reported
Action Date:	Not reported
Created Date:	Not reported
Owner Tank Id:	Not reported
SWRCB Tank Id:	19-050-000104-000004
Tank Status:	Not reported
Capacity:	20000
Active Date:	Not reported
Tank Use:	M.V. FUEL
STG:	PRODUCT
Content:	DIESEL
Number Of Tanks:	Not reported

CERS TANKS:

Name:	GREYHOUND LINES, INC. #892001
Address:	1614 EAST 7TH STREET
City,State,Zip:	LOS ANGELES, CA 90021
Site ID:	34485
CERS ID:	10401337
CERS Description:	Underground Storage Tank

Name:	GREYHOUND LINES, INC. #892001
Address:	1614 EAST 7TH STREET
City,State,Zip:	LOS ANGELES, CA 90021
Site ID:	34485
CERS ID:	10401337
CERS Description:	Aboveground Petroleum Storage

CA FID UST:

Facility ID:	19015423
Regulated By:	UTNKA
Regulated ID:	00003024
Cortese Code:	Not reported
SIC Code:	Not reported
Facility Phone:	2136298461
Mail To:	Not reported
Mailing Address:	GREYHOUND TOWER
Mailing Address 2:	Not reported
Mailing City,St,Zip:	LOS ANGELES 900210000
Contact:	Not reported
Contact Phone:	Not reported
DUNs Number:	Not reported
NPDES Number:	Not reported

GREYHOUND LINES INC. LOS ANGELES MAINTENENCE (Continued) **S101617241**

EPA ID: Not reported
Comments: Not reported
Status: Active

WDS:
Name: GREYHOUND LINES INC LA GARAGE
Address: 1614 E 7th St
City: LOS ANGELES
Facility ID: 4 19I004609
Facility Type: Industrial - Facility that treats and/or disposes of liquid or semisolid wastes from any servicing, producing, manufacturing or processing operation of whatever nature, including mining, gravel washing, geothermal operations, air conditioning, ship building and repairing, oil production, storage and disposal operations, water pumping.
Facility Status: Active - Any facility with a continuous or seasonal discharge that is under Waste Discharge Requirements.
NPDES Number: CAS000001 The 1st 2 characters designate the state. The remaining 7 are assigned by the Regional Board
Subregion: 4
Facility Telephone: 2136298461
Facility Contact: HOBSON JOHN
Agency Name: GREYHOUND LINES INC
Agency Address: 350 N Saint Paul St # 325
Agency City,St,Zip: Dallas 752014240
Agency Contact: RICHARDSON ROBERT
Agency Telephone: 2148498149
Agency Type: Private
SIC Code: 0
SIC Code 2: Not reported
Primary Waste Type: Not reported
Primary Waste: Not reported
Waste Type2: Not reported
Waste2: Not reported
Primary Waste Type: Not reported
Secondary Waste: Not reported
Secondary Waste Type: Not reported
Design Flow: 0
Baseline Flow: 0
Reclamation: Not reported
POTW: Not reported
Treat To Water: Minor Threat to Water Quality. A violation of a regional board order should cause a relatively minor impairment of beneficial uses compared to a major or minor threat. Not: All nurds without a TTWQ will be considered a minor threat to water quality unless coded at a higher Level. A Zero (0) may be used to code those NURDS that are found to represent no threat to water quality.
Complexity: Category C - Facilities having no waste treatment systems, such as cooling water dischargers or thosewho must comply through best management practices, facilities with passive waste treatment and disposal systems, such as septic systems with subsurface disposal, or dischargers having waste storage systems with land disposal such as dairy waste ponds.

CERS:
Name: GREYHOUND LINES, INC. #892001

GREYHOUND LINES INC. LOS ANGELES MAINTENENCE (Continued) **S101617241**

Address: 1614 EAST 7TH STREET
City,State,Zip: LOS ANGELES, CA 90021
Site ID: 34485
CERS ID: 10401337
CERS Description: Chemical Storage Facilities

Violations:
Site ID: 34485
Site Name: Greyhound Lines, Inc. #892001
Violation Date: 02-10-2021
Citation: 23 CCR 16 2712(b)(2) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2712(b)(2)
Violation Description: Failure to maintain monitoring records for release detection and/or maintain records of appropriate follow-up actions.
Violation Notes: Returned to compliance on 05/06/2021. OBSERVATION: Owner/Operator failed to maintain release detection monitoring and maintenance records. Work order for responded to L8 T2 annular alarm on 3/12 was not found on site. CORRECTIVE ACTION: Maintain release detection monitoring and maintenance records for required time frames. Locate work order, place in binder on site with corresponding DO report, and email a copy to the Inspector.
Violation Division: Los Angeles City Fire Department
Violation Program: UST
Violation Source: CERS,

Site ID: 34485
Site Name: Greyhound Lines, Inc. #892001
Violation Date: 02-13-2019
Citation: 23 CCR 16 2712(b)(1)(G) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2712(b)(1)(G)
Violation Description: Failure to comply with one or more of the following overfill prevention equipment requirements: Alert the transfer operator when the tank is 90 percent full by restricting the flow into the tank or triggering an audible and visual alarm; or Restrict delivery of flow to the tank at least 30 minutes before the tank overfills, provided the restriction occurs when the tank is filled to no more than 95 percent of capacity; and activate an audible alarm at least five minutes before the tank overfills; or Provide positive shut-off of flow to the tank when the tank is filled to no more than 95 percent of capacity; or Provide positive shut-off of flow to the tank so that none of the fittings located on the top of the tank are exposed to product due to overfilling. Install/retrofit overfill prevention equipment that does not use flow restrictors on vent piping to meet overfill prevention equipment requirements when the overfill prevention equipment is installed, repaired, or replaced on and after October 1, 2018. For USTs installed before October 1, 2018, perform an inspection by October 13, 2018 and every 36 months thereafter. For USTs installed on and after October 1, 2018, perform an inspection at installation and every 36 months thereafter. Inspected within 30 days after a repair to the overfill prevention equipment. Inspected using an applicable manufacturer guidelines, industry codes, engineering standards, or a method approved by a professional engineer. Inspected by a certified UST service technician. Maintain records of overfill prevention equipment inspection for 36 months.
Violation Notes: Returned to compliance on 02/13/2019. OBSERVATION: Owner/Operator failed to meet one or more of the requirements applicable to overfill prevention equipment. CORRECTIVE ACTION: Maintain overfill prevention system to comply with the deficiencies noted above. Submit

GREYHOUND LINES INC. LOS ANGELES MAINTENENCE (Continued) **S101617241**

verfiication. ** Mr. Acosta, please have your overfill prevention equipment tested by October 13-2018 and every 3 years thereafter. CORRECTED ON SITE BY TANKNOLOGY 11-30-2018 WITH RESULTS SENT TO THE LAFD CUPA **

Violation Division: Los Angeles City Fire Department
Violation Program: UST
Violation Source: CERS,

Site ID: 34485
Site Name: Greyhound Lines, Inc. #892001
Violation Date: 09-20-2022
Citation: HSC 6.67 25270.4.5(a) - California Health and Safety Code, Chapter 6.67, Section(s) 25270.4.5(a)
Violation Description: Failure to maintain a complete copy of the SPCC Plan at the facility if the facility is normally attended at least four hours per day, or at the nearest field office if the facility is not so attended.
Violation Notes: Returned to compliance on 09/20/2022. OBSERVATION: Failure to maintain SPCC plan onsite if facility is manned at least four (4) hours per day. Facility's manager did not know the location of the SPCC plan during the on-site inspection. CORRECTED ON SITE: SPCC plan is maintained on-site via an online portal. Ensure staff on-site are aware of the location of the SPCC plan and if necessary have a physical copy printed and placed on-site.
Violation Division: Los Angeles City Fire Department
Violation Program: APSA
Violation Source: CERS,

Site ID: 34485
Site Name: Greyhound Lines, Inc. #892001
Violation Date: 03-21-2019
Citation: 23 CCR 16 2638(d) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2638(d)
Violation Description: Failure to submit the Monitoring System Certification Form to the UPA within 30 days of completion of the test.
Violation Notes: Returned to compliance on 05/03/2019. *** Mr. Acosta, can you please submit your Monitor Certification Test Results to the LAFD CUPA as outlined in the LAFD CUPA Outreach Letter. All test results are required to be submitted to the LAFD CUPA within 30 days of the test. Thank you. ***
Violation Division: Los Angeles City Fire Department
Violation Program: UST
Violation Source: CERS,

Site ID: 34485
Site Name: Greyhound Lines, Inc. #892001
Violation Date: 02-13-2019
Citation: 23 CCR 16 2712(i) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2712(i)
Violation Description: Failure to have current UST Monitoring Plan available on site.
Violation Notes: Returned to compliance on 03/15/2019. OBSERVATION: Owner/Operator did not maintain a current UST monitoring plan on site. CORRECTIVE ACTION: Maintain a current UST monitoring plan on site. ** Mr. Acosta, once you have made the necessary changes to your UST Tank Information and UST Monitoring Plans in CERS, can you please print a hard copy and place it in your UST Binder on site. **
Violation Division: Los Angeles City Fire Department
Violation Program: UST

GREYHOUND LINES INC. LOS ANGELES MAINTENENCE (Continued) **S101617241**

Violation Source:	CERS,
Site ID:	34485
Site Name:	Greyhound Lines, Inc. #892001
Violation Date:	09-20-2022
Citation:	HSC 6.67 25270.4.5(a) - California Health and Safety Code, Chapter 6.67, Section(s) 25270.4.5(a)
Violation Description:	Failure to conduct spill prevention briefing for oil-handling personnel at least once a year to assure adequate understanding of the SPCC Plan.
Violation Notes:	Returned to compliance on 10/20/2022. OBSERVATION: Failure to conduct spill prevention briefings at least once a year. Training log in SPCC plan is missing names of staff that was trained. No log was found on-site. CORRECTIVE ACTION: Conduct spill prevention briefings annually. Provide compliance verification.
Violation Division:	Los Angeles City Fire Department
Violation Program:	APSA
Violation Source:	CERS,
Site ID:	34485
Site Name:	Greyhound Lines, Inc. #892001
Violation Date:	09-20-2022
Citation:	HSC 6.67 25270.4.5(a) - California Health and Safety Code, Chapter 6.67, Section(s) 25270.4.5(a)
Violation Description:	Failure to designate person who reports to management as accountable for discharge prevention at facility.
Violation Notes:	Returned to compliance on 10/20/2022. OBSERVATION: Failure to designate a person accountable for discharge prevention and who reports to facility management. CORRECTIVE ACTION: Designate a person accountable for discharge prevention and who reports to facility management.
Violation Division:	Los Angeles City Fire Department
Violation Program:	APSA
Violation Source:	CERS,
Site ID:	34485
Site Name:	Greyhound Lines, Inc. #892001
Violation Date:	02-10-2021
Citation:	Un-Specified
Violation Description:	UST Program - Administration/Documentation - General Local Ordinance - Must include violation description and proper ordinance citation in the "comment" section.
Violation Notes:	Returned to compliance on 03/18/2021. OBSERVATION: The business failed to electronically submit the Business Activities Page and/or Business Owner Operator Identification Page, or failed to report complete or accurate information on these forms. CORRECTIVE ACTION: Complete and electronically submit the Business Activities Page and/or Business Owner Operator Identification Page. Update primary contact to new manager Oscar Martinez and correct his secondary phone numbers to (213) 925-7971.
Violation Division:	Los Angeles City Fire Department
Violation Program:	UST
Violation Source:	CERS,
Site ID:	34485
Site Name:	Greyhound Lines, Inc. #892001
Violation Date:	02-19-2020

GREYHOUND LINES INC. LOS ANGELES MAINTENENCE (Continued) **S101617241**

Citation:	23 CCR 16 2712(i) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2712(i)
Violation Description:	Failure to have current UST Monitoring Plan available on site.
Violation Notes:	Returned to compliance on 03/25/2020. OBSERVATION: Owner/Operator did not maintain a current UST monitoring plan on site. CORRECTIVE ACTION: Maintain a current UST monitoring plan on site.
Violation Division:	Los Angeles City Fire Department
Violation Program:	UST
Violation Source:	CERS,
Site ID:	34485
Site Name:	Greyhound Lines, Inc. #892001
Violation Date:	05-06-2021
Citation:	23 CCR 16 2712(b)(2) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2712(b)(2)
Violation Description:	Failure to maintain monitoring records for release detection and/or maintain records of appropriate follow-up actions.
Violation Notes:	Returned to compliance on 05/06/2021. OBSERVATION: Owner/Operator failed to maintain release detection monitoring and maintenance records. Work order for responded to L8 T2 annular alarm on 3/12 was not found on site. CORRECTIVE ACTION: Maintain release detection monitoring and maintenance records for required time frames. Locate work order, place in binder on site with corresponding DO report, and email a copy to the Inspector.
Violation Division:	Los Angeles City Fire Department
Violation Program:	UST
Violation Source:	CERS,
Site ID:	34485
Site Name:	Greyhound Lines, Inc. #892001
Violation Date:	02-19-2020
Citation:	23 CCR 16 2641(j) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2641(j)
Violation Description:	Failure of the leak detection equipment to be installed, calibrated, operated, and/or maintained properly.
Violation Notes:	Returned to compliance on 02/19/2020. OBSERVATION: The monitoring console failed to activate an audible and visual alarm (Green power light not functional) when tested to ensure continuous monitoring of the tank. CORRECTED ON SITE: Tester Patrick Pfrang with Tanknology replaced green power light on site.
Violation Division:	Los Angeles City Fire Department
Violation Program:	UST
Violation Source:	CERS,
Site ID:	34485
Site Name:	Greyhound Lines, Inc. #892001
Violation Date:	09-20-2022
Citation:	HSC 6.67 25270.4.5(a) - California Health and Safety Code, Chapter 6.67, Section(s) 25270.4.5(a)
Violation Description:	Failure to prepare an SPCC Plan that meets all applicable requirements.
Violation Notes:	Returned to compliance on 10/20/2022. OBSERVATION: Failure to prepare an SPCC Plan that meets all applicable requirements. Page 4 Oscar Martinez did not sign or date at the bottom of the page. CORRECTIVE ACTION: Complete or revise SPCC plan that meets all applicable requirements listed above.
Violation Division:	Los Angeles City Fire Department

GREYHOUND LINES INC. LOS ANGELES MAINTENENCE (Continued) **S101617241**

Violation Program: APSA
Violation Source: CERS,

Site ID: 34485
Site Name: Greyhound Lines, Inc. #892001
Violation Date: 02-19-2020
Citation: 23 CCR 16 2641(h) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2641(h)
Violation Description: Failure to have an approved UST Monitoring Plan.
Violation Notes: Returned to compliance on 03/25/2020. OBSERVATION: Owner/Operator did not maintain a current monitoring plan. In UDC Monitoring under STOPS FLOW OF PRODUCT AT DISPENSER for T4 it states YES*. CORRECTIVE ACTION: In UDC Monitoring under STOPS FLOW OF PRODUCT AT DISPENSER for T4 it should state NO .
Violation Division: Los Angeles City Fire Department
Violation Program: UST
Violation Source: CERS,

Site ID: 34485
Site Name: Greyhound Lines, Inc. #892001
Violation Date: 02-19-2020
Citation: 23 CCR 16 2716(e) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2716(e)
Violation Description: For designated operator (DO) monthly inspections conducted before October 1, 2018, failure to comply with one or more of the following requirements: Be performed by an ICC certified DO. Inspect monthly alarm history report, check that alarms are documented and responded to appropriately, and attach a copy. Inspect for the presence of liquid/debris in spill containers. Inspect for the presence of liquid/debris in under dispenser containment (UDC) and ensure that the monitoring equipment is positioned correctly. Inspect for liquid or debris in containment sumps where an alarm occurred with no service visit. Check that all testing and maintenance has been completed and documented. Verify that all facility employees have been trained in accordance with 23 CCR 2715(c). For designated operator (DO) 30 day inspections conducted on and after October 1, 2018, failure to conduct the designated UST operator visual inspection at least once every 30 days.
Violation Notes: Returned to compliance on 03/25/2020. OBSERVATION: Facility did not comply with one or more of the following DO monthly inspection requirements: DO incorrectly marked NO for last check box on 1/9/2020 per Work Order, alarm was responded to by a trained UST service tech. Tank owner/operator did not fill out Section V, DO filled that Section out. Tank owner/operator did not write in a response in Section V for fuel alarm alarm noted by DO in Section III on 1/9/2020 DO report. 3/8/2019 DO report is missing Work Order for responded to alarm on 2/14/2019. CORRECTIVE ACTION: Have DO mark YES for last check box in Section VIII on 1/9/2020 DO report. Ensure only the tank owner/operator fills out Section V. A proper response was provided on site for 1/9/2020 DO report. Locate missing Work Order for 3/8/2019 DO report for responded to alarm on 2/14/2019. Submit copy of compliant DO inspection record.
Violation Division: Los Angeles City Fire Department
Violation Program: UST
Violation Source: CERS,

Site ID: 34485

GREYHOUND LINES INC. LOS ANGELES MAINTENENCE (Continued) **S101617241**

Site Name:	Greyhound Lines, Inc. #892001
Violation Date:	02-10-2021
Citation:	23 CCR 16 2716(e) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2716(e)
Violation Description:	For designated operator (DO) monthly inspections conducted before October 1, 2018, failure to comply with one or more of the following requirements: Be performed by an ICC certified DO. Inspect monthly alarm history report, check that alarms are documented and responded to appropriately, and attach a copy. Inspect for the presence of liquid/debris in spill containers. Inspect for the presence of liquid/debris in under dispenser containment (UDC) and ensure that the monitoring equipment is positioned correctly. Inspect for liquid or debris in containment sumps where an alarm occurred with no service visit. Check that all testing and maintenance has been completed and documented. Verify that all facility employees have been trained in accordance with 23 CCR 2715(c). For designated operator (DO) 30 day inspections conducted on and after October 1, 2018, failure to conduct the designated UST operator visual inspection at least once every 30 days.
Violation Notes:	Returned to compliance on 03/18/2021. OBSERVATION: Facility did not comply with one or more of the following DO inspection requirements: DO noted N/A on last check box in Section VIII on 3/24/2020 DO report on whether fuel alarm was responded by trained technician. DO did not mark check box stating sensors were at lowest point on 12/29/2020 & 3/24/2020 DO reports after alarms if not responded to by a trained technician. CORRECTIVE ACTION: DO should mark NO or YES in last check box since facility had a fuel alarm on 3/12. DO should check lowest point check box for DO reports listed above if alarms were not responded to by trained technician. Submit copy of compliant DO inspection record.
Violation Division:	Los Angeles City Fire Department
Violation Program:	UST
Violation Source:	CERS,
Site ID:	34485
Site Name:	Greyhound Lines, Inc. #892001
Violation Date:	02-19-2020
Citation:	HSC 6.7 25293 - California Health and Safety Code, Chapter 6.7, Section(s) 25293
Violation Description:	Failure to maintain UST records in sufficient detail to enable the UPA to determine whether the UST systems are in compliance.
Violation Notes:	Returned to compliance on 03/25/2020. OBSERVATION: Owner/Operator did not maintain UST records in sufficient detail to enable the UPA to determine if UST systems are in compliance. 11/28/2018 overfill results were not on site. CORRECTIVE ACTION: Maintain UST records in sufficient detail to enable the UPA to determine if UST systems are in compliance. Locate the corrected results and place in the binder on site. Maintain the last 2 overfill testing results.
Violation Division:	Los Angeles City Fire Department
Violation Program:	UST
Violation Source:	CERS,
Site ID:	34485
Site Name:	Greyhound Lines, Inc. #892001
Violation Date:	02-13-2019
Citation:	HSC 6.75 25299.30-25299.34 - California Health and Safety Code, Chapter 6.75, Section(s) 25299.30-25299.34

GREYHOUND LINES INC. LOS ANGELES MAINTENENCE (Continued) **S101617241**

Violation Description:	Failure to submit and maintain complete and current Certification of Financial Responsibility or other mechanism of financial assurance.
Violation Notes:	Returned to compliance on 03/15/2019. OBSERVATION: Financial responsibility documents have not been submitted to the CUPA. Current financial responsibility documents are required to be submitted annually. CORRECTIVE ACTION: Complete and submit a copy of the financial responsibility by 3-15-2019. ** Mr. Acosta, can you please update your Financial Responsibility document on site. Please print the latest Financial Responsibility document expiring 4-26-2019 listed on CERS and place it in your UST Binder on site. **
Violation Division:	Los Angeles City Fire Department
Violation Program:	UST
Violation Source:	CERS,
Site ID:	34485
Site Name:	Greyhound Lines, Inc. #892001
Violation Date:	02-13-2019
Citation:	HSC 6.7 25290.1(c)(3),25290.2(c)(3) - California Health and Safety Code, Chapter 6.7, Section(s) 25290.1(c)(3),25290.2(c)(3)
Violation Description:	Failure to keep water out of the secondary containment of UST systems installed on or after July 1, 2003.
Violation Notes:	Returned to compliance on 02/13/2019. OBSERVATION: Liquid was observed in Tanks 1-4 fill sumps. Approximately 2 gallons in each sump. If water could enter into the secondary containment by precipitation or infiltration, it must be removed and disposed of properly. CORRECTIVE ACTION: Immediately remove this liquid, make a hazardous waste determination per Title 22 hazardous waste regulations, and manage it accordingly. Ensure that the fill sumps for tanks 1-4 are maintained free of liquid. ** CORRECTED ON SITE BY LUIS NAVARRO OF TANKNOLOGY **
Violation Division:	Los Angeles City Fire Department
Violation Program:	UST
Violation Source:	CERS,
Site ID:	34485
Site Name:	Greyhound Lines, Inc. #892001
Violation Date:	05-14-2020
Citation:	22 CCR 15 66265.192(a) - California Code of Regulations, Title 22, Chapter 15, Section(s) 66265.192(a)
Violation Description:	Failure to obtain and maintain a written assessment reviewed and certified by an independent, qualified, professional engineer prior to placing the tank system in service. The written assessment shall state that, the new hazardous waste tank system has sufficient structural integrity, is acceptable for the transferring, storing and treating of hazardous waste, and that the tanks and containment system including the foundation, structural support, seams, connections, and pressure controls (if applicable) are suitably designed to meet the regulation.
Violation Notes:	Returned to compliance on 04/26/2021. OBSERVATION: A written hazardous waste tank assessment has not been obtained for the 550 Gallon used oil tank system prior to placing system into service. CORRECTIVE ACTION: Obtain a written hazardous waste tank system assessment for the 550 Gallon used oil tank system in accordance with 22 CCR 15 66265.192 and submit a copy to the CUPA.
Violation Division:	Los Angeles County Fire Department
Violation Program:	HW
Violation Source:	CERS,
Site ID:	34485

GREYHOUND LINES INC. LOS ANGELES MAINTENENCE (Continued) **S101617241**

Site Name:	Greyhound Lines, Inc. #892001
Violation Date:	01-30-2017
Citation:	22 CCR 12 66262.34(f) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.34(f)
Violation Description:	Failure to properly label hazardous waste accumulation containers and portable tanks with the following requirements: "Hazardous Waste", name and address of the generator, physical and chemical characteristics of the Hazardous Waste, and starting accumulation date.
Violation Notes:	Returned to compliance on 08/23/2017. OBSERVATION: All hazardous waste containers shall be marked with the following information: 1) the words Hazardous Waste ; 2) name and address of generator; 3) hazardous properties; 4) physical state; 5) composition (contents); 6) accumulation start date. Observed 1 x 275 gallon tote containing waste diesel and 1 x 55 gallon drum containing used oil, without the required hazardous waste labels. CORRECTIVE ACTION: Immediately label these containers and ensure that all hazardous waste containers are marked with all the required information.
Violation Division:	Los Angeles County Fire Department
Violation Program:	HW
Violation Source:	CERS,
Site ID:	34485
Site Name:	Greyhound Lines, Inc. #892001
Violation Date:	09-20-2022
Citation:	HSC 6.67 25270.4.5 (a) - California Health and Safety Code, Chapter 6.67, Section(s) 25270.4.5 (a)
Violation Description:	Failure to complete a review and evaluation of the SPCC Plan at least once every five years, document the completion of the review, and sign a statement as to whether the SPCC Plan will be amended.
Violation Notes:	Returned to compliance on 10/20/2022. OBSERVATION: Failure to perform and/or document the five-year review of the SPCC plan. Oscar Martinez did not put the 5 year review date, whether to amend or not and did not include a signature. CORRECTIVE ACTION: Fully complete the documentation of the 5 year review of SPCC Plan and submit verification of proper completion.
Violation Division:	Los Angeles City Fire Department
Violation Program:	APSA
Violation Source:	CERS,
Site ID:	34485
Site Name:	Greyhound Lines, Inc. #892001
Violation Date:	03-10-2015
Citation:	HSC 6.7 25286(a) - California Health and Safety Code, Chapter 6.7, Section(s) 25286(a)
Violation Description:	Failure to submit an complete and accurate application for a permit to operate an underground storage tank, or for renewal of the permit.
Violation Notes:	Returned to compliance on 03/10/2015. OBSERVATION: Owner/Operator did not submit and/or maintain an accurate UST Operating Permit Application for Facility information and/or Tank information. CORRECTIVE ACTION: Submit and maintain an accurate UST Operating Permit Application for Facility information and/or Tank information. CERS ID 10401337. No UST information provided.
Violation Division:	Los Angeles City Fire Department
Violation Program:	UST
Violation Source:	CERS,

GREYHOUND LINES INC. LOS ANGELES MAINTENENCE (Continued) **S101617241**

Site ID:	34485
Site Name:	Greyhound Lines, Inc. #892001
Violation Date:	02-13-2019
Citation:	23 CCR 16 2715(a)(1)(B) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2715(a)(1)(B)
Violation Description:	Failure to submit the Designated Underground Storage Tank Operator Identification Form within 30 days of installing a UST system or within 30 days of a change in DO.
Violation Notes:	Returned to compliance on 03/15/2019. OBSERVATION: Owner/Operator did not submit the Designated Underground Storage Tank Operator Identification Form to the UPA within 30 days of obtaining or changing the DO. CORRECTIVE ACTION: Submit Designated Underground Storage Tank Operator Identification Form to the UPA within 30 days of a change. ** Mr. Acosta, can you please update to the new UST Designated Underground Storage Tank Operator Identification form (Please see the email attachment) **
Violation Division:	Los Angeles City Fire Department
Violation Program:	UST
Violation Source:	CERS,

Site ID:	34485
Site Name:	Greyhound Lines, Inc. #892001
Violation Date:	01-30-2017
Citation:	22 CCR 15 66265.192(a) - California Code of Regulations, Title 22, Chapter 15, Section(s) 66265.192(a)
Violation Description:	Failure to obtain and maintain a written assessment reviewed and certified by an independent, qualified, professional engineer prior to placing the tank system in service. The written assessment shall state that, the new hazardous waste tank system has sufficient structural integrity, is acceptable for the transferring, storing and treating of hazardous waste, and that the tanks and containment system including the foundation, structural support, seams, connections, and pressure controls (if applicable) are suitably designed to meet the regulation.
Violation Notes:	Returned to compliance on 08/23/2017. OBSERVATION: Owner/Operator does not have a tank assessment for the 550 gallon used oil aboveground storage tank. The owner or operator of a hazardous waste tank shall obtain a written assessment reviewed and certified by an independent, qualified, professional engineer, registered in California attesting that the system has sufficient structural integrity, is acceptable for the transferring, storing, and treating of hazardous waste, and that the tanks and containment system are suitably designed. CORRECTIVE ACTION: Immediately have an assessment prepared for the 550 gallon used oil aboveground storage tank. Submit a schedule showing when this will be accomplished to the department by 3-1-17.
Violation Division:	Los Angeles County Fire Department
Violation Program:	HW
Violation Source:	CERS,

Site ID:	34485
Site Name:	Greyhound Lines, Inc. #892001
Violation Date:	02-10-2021
Citation:	HSC 6.75 25299.30-25299.34 - California Health and Safety Code, Chapter 6.75, Section(s) 25299.30-25299.34
Violation Description:	Failure to submit and maintain complete and current Certification of Financial Responsibility or other mechanism of financial assurance.
Violation Notes:	Returned to compliance on 03/18/2021. OBSERVATION: Financial responsibility documents have not been submitted to the CUPA. Current

GREYHOUND LINES INC. LOS ANGELES MAINTENENCE (Continued) **S101617241**

financial responsibility documents are required to be submitted to on site. CORRECTIVE ACTION: Print a copy of the current insurance policy and place in binder on site by 3/12/2021.
Violation Division: Los Angeles City Fire Department
Violation Program: UST
Violation Source: CERS,

Site ID: 34485
Site Name: Greyhound Lines, Inc. #892001
Violation Date: 02-14-2022
Citation: 23 CCR 16 2641(h) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2641(h)
Violation Description: Failure to have an approved UST Response Plan.
Violation Notes: Returned to compliance on 02/25/2022. OBSERVATION: Facility does not have an approved Response Plan. Absorbent pads were found on site. CORRECTIVE ACTION: Maintain an approved Response Plan by adding absorb pads to the response plan.
Violation Division: Los Angeles City Fire Department
Violation Program: UST
Violation Source: CERS,

Site ID: 34485
Site Name: Greyhound Lines, Inc. #892001
Violation Date: 02-13-2019
Citation: 23 CCR 16 2641(h) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2641(h)
Violation Description: Failure to have an approved UST Monitoring Plan.
Violation Notes: Returned to compliance on 03/15/2019. OBSERVATION: Facility does not have an approved Monitoring Plan. CORRECTIVE ACTION: Maintain an Approved Monitoring Plan. ** Mr. Acosta, can you please update the following on your UST Monitoring Plan in CERS: 1)For Tanks 1-4, can you please specify Fiberglass as your Vent Primary Containment in the UST Tank Information Vent, Vapor Recovery and Riser/Fill Piping Construction section instead of Steel 2)For Tanks 1-4, can you please specify Yes to Spill Bucket and Striker Plate/Bottom Protector in the UST Tank Information-Vent, Vapor Recovery and Riser/Fill Piping Construction-Fill Components Installed section 3)For Tanks 1-4, can you please specify Single Wall to the Piping/Turbine Containment Sump in the UST Tank Information-Product/Waste Piping Construction section 4)For Tanks 1-4, can you please specify Single Wall to the Vent Piping Transition Sump listed in the UST Tank Information-Vent, Vapor Recover and Riser/Fill Piping Construction section 5)For [Truncated]
Violation Division: Los Angeles City Fire Department
Violation Program: UST
Violation Source: CERS,

Site ID: 34485
Site Name: Greyhound Lines, Inc. #892001
Violation Date: 02-13-2019
Citation: 23 CCR 16 2636(f)(1) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2636(f)(1)
Violation Description: Failure of the leak detection equipment to have an audible and visual alarm as required.
Violation Notes: Returned to compliance on 02/13/2019. OBSERVATION: Owner/Operator did not maintain leak detection equipment with an audible and visual alarm. CORRECTIVE ACTION: Maintain leak detection equipment with an audible and visual alarm. ** Mr. Acosta, the light bulbs to the

GREYHOUND LINES INC. LOS ANGELES MAINTENENCE (Continued) **S101617241**

"Power" on the Veeder Root TLS 350 Monitoring Panel and the Audio/Visual Alarm near the tanks were burned out. Please replace these bulbs. CORRECTED ON SITE BY LUIS NAVARRO OF TANKNOLOGY 2-13-2019. **

Violation Division: Los Angeles City Fire Department
Violation Program: UST
Violation Source: CERS,

Site ID: 34485
Site Name: Greyhound Lines, Inc. #892001
Violation Date: 02-14-2022
Citation: 23 CCR 16 2715(c)(4) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2715(c)(4)
Violation Description: Failure to maintain a list of employees trained by the designated operator on-site or off-site at a readily available location, if approved by the UPA. For training that occurs on or after October 1, 2018, failure to maintain a copy of the "Facility Employee Training Certificate" on-site or off-site at a readily available location, if approved by the UPA.
Violation Notes: Returned to compliance on 02/25/2022. OBSERVATION: "Facility Employee Training Certificate" was not completed correctly by the DO. DO listed initial training date as the same date of the training completed for the year. CORRECTIVE ACTION: Have DO correct the initial training date to the date in which the employee was first trained. The only date that should change is the one on the bottom.
Violation Division: Los Angeles City Fire Department
Violation Program: UST
Violation Source: CERS,

Site ID: 34485
Site Name: Greyhound Lines, Inc. #892001
Violation Date: 02-19-2020
Citation: 23 CCR 16 2665(b) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2665(b)
Violation Description: "Failure to submit a copy of the overfill prevention equipment inspection results on the Overfill Prevention Equipment Inspection Report Form to the UPA within 30 days after the inspection. "
Violation Notes: Returned to compliance on 03/25/2020. OBSERVATION: Owner/operator failed to submit a copy of the overfill prevention equipment inspection results on the Overfill Prevention Equipment Inspection Report Form to the UPA within 30 days after the inspection. 11/30/2018 test results were sent in, but the information on the test results needs correcting. Tester listed flappers at 90%. Per tank chart and measurements flappers are set at 95%. CORRECTIVE ACTION: Have testing company send to the CUPA the corrected test results reflecting the flappers being set at 95%.
Violation Division: Los Angeles City Fire Department
Violation Program: UST
Violation Source: CERS,

Site ID: 34485
Site Name: Greyhound Lines, Inc. #892001
Violation Date: 02-13-2019
Citation: 23 CCR 16 2711(a)(8) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2711(a)(8)
Violation Description: Failure to submit or maintain a current facility plot plan.
Violation Notes: Returned to compliance on 03/15/2019. OBSERVATION: Owner/Operator did

GREYHOUND LINES INC. LOS ANGELES MAINTENENCE (Continued) **S101617241**

not maintain and/or submit a current facility plot plan. CORRECTIVE ACTION: Maintain and/or submit a current facility plot plan. ** Mr. Acosta, can you please add the following to your UST Site Plot Plan: 1) Add the VR PLLD line leak detector 2) Add the location of the ESO switch (Located 3) Please draw in the approximate locations of the product and vent lines **

Violation Division: Los Angeles City Fire Department
Violation Program: UST
Violation Source: CERS,

Site ID: 34485
Site Name: Greyhound Lines, Inc. #892001
Violation Date: 02-14-2022
Citation: 23 CCR 16 2715(a)(1)(B) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2715(a)(1)(B)
Violation Description: Failure to submit the Designated Underground Storage Tank Operator Identification Form within 30 days of installing a UST system or within 30 days of a change in DO.
Violation Notes: Returned to compliance on 02/25/2022. OBSERVATION: Owner/Operator did not submit the Designated Underground Storage Tank Operator Identification Form to the UPA within 30 days of obtaining or changing the DO. Newer DO list was found in the binder on site. CORRECTIVE ACTION: Submit Designated Underground Storage Tank Operator Identification Form to the UPA within 30 days of a change. Update CERS DO list to include new DO's for the facility.
Violation Division: Los Angeles City Fire Department
Violation Program: UST
Violation Source: CERS,

Site ID: 34485
Site Name: Greyhound Lines, Inc. #892001
Violation Date: 02-19-2020
Citation: Un-Specified
Violation Description: UST Program - Administration/Documentation - General Local Ordinance - Must include violation description and proper ordinance citation in the "comment" section.
Violation Notes: Returned to compliance on 02/19/2020. OBSERVATION: T3 fill sump VR 208 sensor did not go into alarm when tested. T3 annular VR 420 sensor had cracks in housing and it was spreading out. CORRECTED ON SITE: A D5 like for like permit was issued to Patrick Pfrang with Tanknology under permit record ID SREYFKQMK. Tester Patrick Pfrang replaced failed VR 208 sensor with a new VR 208 sensor on site. Tester also replaced T3 VR 420 sensor with a new VR 420 sensor to prevent the sensor from sticking in the riser in the future. The new sensors sent monitoring console into alarm and provided positive shut down.
Violation Division: Los Angeles City Fire Department
Violation Program: UST
Violation Source: CERS,

Site ID: 34485
Site Name: Greyhound Lines, Inc. #892001
Violation Date: 05-14-2020
Citation: 22 CCR 12 66262.34(f) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.34(f)
Violation Description: Failure to properly label hazardous waste accumulation containers and portable tanks with the following requirements: "Hazardous Waste", name and address of the generator, physical and chemical

GREYHOUND LINES INC. LOS ANGELES MAINTENENCE (Continued) **S101617241**

	characteristics of the Hazardous Waste, and starting accumulation date.
Violation Notes:	Returned to compliance on 04/22/2021. OBSERVATION: The following containers were was observed without a hazardous waste label: 1. 2x 55 gallon drums of used oil in the hazardous waste storage area 2. 55 gallon drum of used fuel filters in the hazardous waste storage area. 3. 275 gallon tote of used antifreeze at service bay 21. CORRECTIVE ACTION: Submit a photo to the CUPA demonstrating that the container listed above has been properly labeled.
Violation Division:	Los Angeles County Fire Department
Violation Program:	HW
Violation Source:	CERS,
Site ID:	34485
Site Name:	Greyhound Lines, Inc. #892001
Violation Date:	05-14-2020
Citation:	22 CCR 15 66265.195(c) - California Code of Regulations, Title 22, Chapter 15, Section(s) 66265.195(c)
Violation Description:	Failure to conduct and document inspections of hazardous waste tank systems each operating day and retain records of those inspections at the facility.
Violation Notes:	Returned to compliance on 04/26/2021. OBSERVATION: Daily inspections of the 550 Gallon used oil tank system have not been conducted and documented. CORRECTIVE ACTION: Submit documentation to the CUPA demonstrating that the 550 Gallon used oil tank system is being properly inspected and documented.
Violation Division:	Los Angeles County Fire Department
Violation Program:	HW
Violation Source:	CERS,
Site ID:	34485
Site Name:	Greyhound Lines, Inc. #892001
Violation Date:	02-14-2022
Citation:	23 CCR 16 2641(h) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2641(h)
Violation Description:	Failure to have an approved UST Monitoring Plan.
Violation Notes:	Returned to compliance on 02/25/2022. OBSERVATION: Owner/Operator did not maintain a current monitoring plan. In Piping Monitoring under ELECTRONIC LINE LEAK DETECTOR performs: ELLD Programmed In-Line Testing 0.2 GPH 0.2 GPH Minimum Monthly for ALL TANKS it states "0.2 GPH". CORRECTIVE ACTION: In ELECTRONIC LINE LEAK DETECTOR performs ELLD Programmed In-Line Testing 0.2 GPH 0.2 GPH Minimum Monthly for ALL TANKS it should be LEFT BLANK.
Violation Division:	Los Angeles City Fire Department
Violation Program:	UST
Violation Source:	CERS,
Site ID:	34485
Site Name:	Greyhound Lines, Inc. #892001
Violation Date:	02-19-2020
Citation:	23 CCR 16 2715(a)(2) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2715(a)(2)
Violation Description:	Failure to submit the Underground Storage Tank Statement of Understanding and Compliance Form.
Violation Notes:	Returned to compliance on 03/25/2020. OBSERVATION: Owner/operator failed to submit the Underground Storage Tank Statement of Understanding and Compliance Form CORRECTIVE ACTION: Submit the

GREYHOUND LINES INC. LOS ANGELES MAINTENENCE (Continued) **S101617241**

	Underground Storage Tank Statement of Understanding and Compliance Form .
Violation Division:	Los Angeles City Fire Department
Violation Program:	UST
Violation Source:	CERS,
Site ID:	34485
Site Name:	Greyhound Lines, Inc. #892001
Violation Date:	02-14-2022
Citation:	23 CCR 16 2716(e) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2716(e)
Violation Description:	For designated operator (DO) monthly inspections conducted before October 1, 2018, failure to comply with one or more of the following requirements: Be performed by an ICC certified DO. Inspect monthly alarm history report, check that alarms are documented and responded to appropriately, and attach a copy. Inspect for the presence of liquid/debris in spill containers. Inspect for the presence of liquid/debris in under dispenser containment (UDC) and ensure that the monitoring equipment is positioned correctly. Inspect for liquid or debris in containment sumps where an alarm occurred with no service visit. Check that all testing and maintenance has been completed and documented. Verify that all facility employees have been trained in accordance with 23 CCR 2715(c). For designated operator (DO) 30 day inspections conducted on and after October 1, 2018, failure to conduct the designated UST operator visual inspection at least once every 30 days.
Violation Notes:	Returned to compliance on 02/25/2022. OBSERVATION: Facility did not comply with one or more of the following DO inspection requirements: DO noted older ICC expiration date on 12/30/2021 DO inspection report of 1/11/2022. CORRECTIVE ACTION: Have DO correct ICC exp date on 12/30/2021 DO inspection report to 12/23/2023. Submit copy of compliant DO inspection record.
Violation Division:	Los Angeles City Fire Department
Violation Program:	UST
Violation Source:	CERS,
Site ID:	34485
Site Name:	Greyhound Lines, Inc. #892001
Violation Date:	02-19-2020
Citation:	23 CCR 16 2636(f)(1) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2636(f)(1)
Violation Description:	Failure of the leak detection equipment to have an audible and visual alarm as required.
Violation Notes:	Returned to compliance on 02/19/2020. OBSERVATION: T3 fill sump VR 208 sensor did not go into alarm when tested. CORRECTED ON SITE: Tester Patrick Pfrang with Tanknology replaced failed VR 208 sensor with a new VR 208 sensor on site. New sensor sent monitoring console into alarm and provided positive shut down.
Violation Division:	Los Angeles City Fire Department
Violation Program:	UST
Violation Source:	CERS,
Site ID:	34485
Site Name:	Greyhound Lines, Inc. #892001
Violation Date:	02-13-2019
Citation:	23 CCR 16 2712(i) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2712(i)

GREYHOUND LINES INC. LOS ANGELES MAINTENENCE (Continued) **S101617241**

Violation Description: Failure to submit a current UST Response Plan available on site.
Violation Notes: Returned to compliance on 03/15/2019. OBSERVATION: Owner/Operator did not submit a current UST response plan. CORRECTIVE ACTION: Submit a current UST response plan to CERS. ** Mr. Acosta, can you please print a copy of your UST Response plans from your CERS account and place the hard copy in your UST Binder on site. **
Violation Division: Los Angeles City Fire Department
Violation Program: UST
Violation Source: CERS,

Site ID: 34485
Site Name: Greyhound Lines, Inc. #892001
Violation Date: 02-10-2021
Citation: 23 CCR 16 2641(j) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2641(j)
Violation Description: Failure of the leak detection equipment to be installed, calibrated, operated, and/or maintained properly.
Violation Notes: Returned to compliance on 02/10/2021. OBSERVATION: Liquid was observed in the vent box, it was not enough to send the monitoring consoles into alarm. Per Veeder Root specs all sumps shall be maintained free of liquid. CORRECTED ON SITE: Liquid was removed by Luis Navarro with Tanknology on site during monitor cert testing.
Violation Division: Los Angeles City Fire Department
Violation Program: UST
Violation Source: CERS,

Site ID: 34485
Site Name: Greyhound Lines, Inc. #892001
Violation Date: 02-14-2022
Citation: 23 CCR 16 2712(i) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2712(i)
Violation Description: Failure to have current UST Monitoring Plan available on site.
Violation Notes: Returned to compliance on 03/02/2022. OBSERVATION: The monitoring plan onsite is not current and not approved by the CUPA. CORRECTIVE ACTION: Update the required information in CERS per the inspection report and submit for review by the CUPA and maintain current copy onsite.
Violation Division: Los Angeles City Fire Department
Violation Program: UST
Violation Source: CERS,

Evaluation:
Eval General Type: Compliance Evaluation Inspection
Eval Date: 02-28-2017
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Inspector (Bernard Sanchez)LAFD, onsite to conduct routine inspection of underground storage tank. Consent to enter, inspect and take photographs was given on by Jake Ferguson manager Monitoring system certification (was) conducted at this time. Monitoring certification was performed by Franscico Castro Tanknology Tester provided the following certifications: ICC Tech (64037 exp 1/26/2018, The UST monitoring panel showed all functions normal. The monitoring set up and alarm history were provided for review. The sumps and UDCs were opened for inspection and the sensors were observed positioned to detect a leak at the earliest opportunity. The spill buckets were also visually inspected. The Monitoring Plan was compared to the equipment onsite. The operation of the UST system was compared to the conditions

GREYHOUND LINES INC. LOS ANGELES MAINTENENCE (Continued) **S101617241**

of the operating permit. (Optional: Add details about tanks, what was tested, what passed/failed etc.) Ensure submittal of monitor certification [Truncated]
Eval Division: Los Angeles City Fire Department
Eval Program: UST
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 03-19-2014
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Passed. Update DEIF
Eval Division: Los Angeles City Fire Department
Eval Program: UST
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 04-26-2021
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Los Angeles County Fire Department
Eval Program: HW
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 05-06-2021
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: 1614 E 7th st NOV follow up for facility at 1614 E 7th st. Facility had previously sent in response to missing work orders. Inspector Young missed that portion of the email and the upgrade of the violation should not have been given. All violations were cleared.
Eval Division: Los Angeles City Fire Department
Eval Program: UST
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 05-07-2020
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: 1614 E 7TH ST REVIEWED RECEIVED SECONDARY CONTAINMENT RESULTS FOR TESTING CONDUCTED ON 2/17/2020 BY JEFF CRISOSTOMO WITH TANKNOLOGY. CONFIRMED RESULTS WERE REQUESTED, RECEIVED, SCANNED/DOWNLOADED AND/OR ATTACHED IN ENVISION. NO FAILURES NOTED ON REPORT.
Eval Division: Los Angeles City Fire Department
Eval Program: UST
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 06-13-2022
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: 1614 E 7th St NOV follow up for facility at 1614 E 7th St. Facility placed a current copy of the monitoring plan on-site to clear the last remaining open NOV.
Eval Division: Los Angeles City Fire Department

GREYHOUND LINES INC. LOS ANGELES MAINTENENCE (Continued) **S101617241**

Eval Program: UST
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 07-16-2021
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: 1614 E 7TH ST REVIEWED RECEIVED ANNUAL MONITORING SYSTEM CERTIFICATION & SPILL BUCKET TESTING RESULTS FOR TESTING CONDUCTED ON 2/10/2021 BY LUIS NAVARRO WITH TANKNOLOGY. CONFIRMED RESULTS WERE RECEIVED, SCANNED/DOWNLOADED AND ATTACHED IN ENVISION.
Eval Division: Los Angeles City Fire Department
Eval Program: UST
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 08-13-2019
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: 1614 E 7TH ST REVIEWED OVERFILL PREVENTION RESULTS FOR TESTING CONDUCTED ON 11/30/2018 JAMES WILDHABER WITH TANKNOLOGY. CONFIRMED RESULTS WERE RECEIVED, SCANNED/DOWNLOADED AND/OR ATTACHED IN ENVISION. NO FAILURES NOTED ON REPORT. TESTER INCORRECTLY NOTED FLAPPERS ARE SET AT 90%. INSPECTOR YOUNG SENT IN EMAIL FOR TESTER TO CORRECT THE #'S TO 95%. REVIEWED CERS TO CONFIRM OVERFILL PROTECTION LISTED.
Eval Division: Los Angeles City Fire Department
Eval Program: UST
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 02-13-2019
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: LAFD CUPA Inspector Yoshihashi, on site this date to conduct routine inspection of your underground storage tanks. Consent to enter, inspect and take photographs was given on this date by Lilly Ramirez, Administrative Staff. Monitoring system certification was conducted at this time. Monitoring certification was performed by Luis Navarro with Tanknology. Tester provided the following certifications: ICC: 8171123 Exp: 1/7/2021 VR: #A28342 Exp: 5/28/2020 VMI: #2734 exp: 6/21/2020 The UST monitoring panel showed all functions normal. The monitoring set up and alarm history were provided for review. The sumps and UDCs were opened for inspection and the sensors were observed positioned to detect a leak at the earliest opportunity. The spill buckets were also visually inspected. The Monitoring Plan was compared to the equipment onsite. The operation of the UST system was compared to the conditions of the operating permit. Property Owner: Greyhound Lines, [Truncated]
Eval Division: Los Angeles City Fire Department
Eval Program: UST
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 10-25-2022
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: 1614 E 7th St NOV follow up for facility at 1614 E 7th St. Inspector Young reviewed email sent by facility containing compliance

GREYHOUND LINES INC. LOS ANGELES MAINTENENCE (Continued) **S101617241**

information based of the inspection report. Facility complied with all NOV's given during the facility inspection and the NOV's were cleared to the date of the email on 10/20/2022.

Eval Division: Los Angeles City Fire Department
Eval Program: APSA
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 02-14-2022
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: LAFD Inspector Christopher Young on site 2/14/2022 to conduct routine inspection of underground storage tank facility. Monitoring System components were observed and verified this date. Consent to enter, inspect and take photographs was given on this date by Lilliana Ramirez, Administrative Assistant. Monitoring system certification and line test were conducted at this time. Monitoring certification was performed by Patrick Pfrang with Tanknology. Monitoring System components were observed and verified on this date. Tester provided the following certifications Patrick Pfrang ICC: 8202676 Exp: 2/3/2023 Veeder Root: A29052 Exp: 8/27/2023 VMI: #1314 EXP: 11/2/2022 OTHER: LETTER FROM VMI ACCEPTING TANKNOLOGY'S TLD-5000 LEAK DETECTOR TESTING DEVICE The UST monitoring panel showed all functions normal. The monitoring set up and alarm history WERE provided for review. The sumps and UDCs WERE opened for inspection and the sensors were observed positioned to detect a [Truncated]

Eval Division: Los Angeles City Fire Department
Eval Program: UST
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 03-02-2016
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported

Eval Division: Los Angeles City Fire Department
Eval Program: UST
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 03-18-2021
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: 1614 E 7th St NOV follow up for facility at 1614 E 7th St. Inspector Young reviewed the facility's latest CERS UST submittal. Facility updated their business owner/identification page. Facility printed current copy of the financial responsibility, and DO reports were corrected. Inspector Young emailed Nan Cutshell to let her know of the clearing of those violations and that the other for the missing work order/alarm log is still open.

Eval Division: Los Angeles City Fire Department
Eval Program: UST
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 03-19-2014
Violations Found: No

GREYHOUND LINES INC. LOS ANGELES MAINTENENCE (Continued) **S101617241**

Eval Type: Routine done by local agency
Eval Notes: No updates to hazmat inventory. Updated DEIF.
Eval Division: Los Angeles City Fire Department
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 03-25-2014
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: No Violations. Passed MC, Spill Bucket, LLD.
Eval Division: Los Angeles City Fire Department
Eval Program: UST
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 03-25-2020
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: 1614 E 7th St NOV follow up for facility at 1614 E 7th St. Inspector Young reviewed the facility's most recent CERS UST submittal. The facility updated their monitoring plan and uploaded a copy of the UST statement of understanding and compliance form. Facility also sent in corrected copies of the overfill results, DO reports, and have access to the updated monitoring plan on site.
Eval Division: Los Angeles City Fire Department
Eval Program: UST
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 05-06-2021
Violations Found: Yes
Eval Type: Other, not routine, done by local agency
Eval Notes: 1614 E 7th St Facility has not complied with the above written violation within the 30 days. This violation has been upgraded to a CLASS II violation. Facility has 30 days to comply with the violation or this violation will be upgraded to a CLASS I which will be forwarded to my Legal unit for fine and penalty assessment. Violators can be liable for civil penalties up to $5,000 dollars per day, for each violation. HSC 25299, HSC 25270.12. Report emailed to samuel.acosta@greyhound.com. **********SECOND NOTICE**********
Eval Division: Los Angeles City Fire Department
Eval Program: UST
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 07-16-2021
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: 1614 E 7TH ST REVIEWED RECEIVED OVERFILL PREVENTION RESULTS FOR TESTING CONDUCTED ON 2/10/2021 BY LUIS NAVARRO WITH TANKNOLOGY. CONFIRMED RESULTS WERE RECEIVED, SCANNED/DOWNLOADED AND ATTACHED IN ENVISION. NO FAILURES NOTED ON THE REPORT.
Eval Division: Los Angeles City Fire Department
Eval Program: UST
Eval Source: CERS,

GREYHOUND LINES INC. LOS ANGELES MAINTENENCE (Continued) **S101617241**

Eval General Type: Compliance Evaluation Inspection
Eval Date: 03-02-2016
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: FRANCISCO CASTRO WITH TANKNOLOGY ICC: 8026747 EXP: 8-3-2017
Eval Division: Los Angeles City Fire Department
Eval Program: UST
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 03-02-2022
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: 1614 E 7th St NOV follow up for facility at 1614 E 7th St. Inspector Young reviewed the facility's latest CERS UST submittal. Facility made all necessary corrections to their monitoring plan, response plan, and DO list. Facility corrected the DO reports and employee training list. Inspector Young emailed Nan Cutshell to let her know of the clearing of those violations and to let her know that the violation for the current monitoring plan on site was still open.
Eval Division: Los Angeles City Fire Department
Eval Program: UST
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 03-10-2015
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: MC testing conducted by Jeffrey Crisostomo of Tanknology. UST inspection details and any violations noted on UST inspection report DAKOUICIU.
Eval Division: Los Angeles City Fire Department
Eval Program: UST
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 03-15-2019
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: INSPECTOR YOSHIHASHI REVIEWED ALL OUTSTANDING VIOLATIONS FOR THE FOLLOWING FACILITY: FA # 0003095, CERS ID # 10401337. THE 1 ST NOTICE WAS WRITTEN ON 2-13-2019. THE FOLLOWING ITEMS WERE ADDRESSED SINCE THAT DATE: 1) ALL MONITORING PLAN CHANGES HAVE BEEN ADDRESSED 2) SITE PLOT PLAN CORRECTED 3) NEW UST DESIGNATED OPERATOR IDENTIFICATION FORM UPDATED 4) THE NEW UPDATED CHIEF FINANCIAL OFFICER LETTER MAILED TO THE SITE FROM STRATA ENVIRONMENTAL (PLEASE SEE ATTACHED DOCUMENT) 5) THE NEW UPDATED UST RESPONSE PLANS MAILED TO THE SITE FROM STRATA ENVIRONMENTAL (PLEASE SEE ATTACHED DOCUMENT) 6) THE NEW UPDATED UST MONITORING PLAN MAILED TO THE SITE FROM STRATA ENVIRONMENTAL (PLEASE SEE ATTACHED DOCUMENT) AFTER REVIEW OF THE 1ST NOTICE OF VIOLATION SENT, THE FOLLOWING VIOLATIONS REMAIN: 1) NONE
Eval Division: Los Angeles City Fire Department
Eval Program: UST
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 03-19-2014

GREYHOUND LINES INC. LOS ANGELES MAINTENENCE (Continued) **S101617241**

Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Los Angeles City Fire Department
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 03-25-2014
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: No Violations at this facility
Eval Division: Los Angeles City Fire Department
Eval Program: UST
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 04-21-2017
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Facility inspection and walk through with Jake fergusion manager , cers reviewed and accepted, found missing latch on hazardous material cabinet ,
Eval Division: Los Angeles City Fire Department
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 04-22-2021
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Tony Melina, Supervisor
Eval Division: Los Angeles County Fire Department
Eval Program: HW
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 05-03-2019
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: ANNUAL MONITOR CERTIFICATION RESULTS FOR 1614 E 7TH ST - GREYHOUND LINES. THE TESTING WAS COMPLETED ON 2-13-2019 BY TESTER LUIS NAVAROO OF TANKNOLOGY. INSPECTOR YOSHIHASHI REVIEWED THE FOLLOWING: 1) TESTERS CERTIFICATIONS UP TO DATE 2) ALL SENSORS AND EQUIPMENT SPECIFIED ON THE MONITORING PLAN WERE TESTED AND VERIFIED OPERATIONAL 3) ALL RESULTS FROM THE TEST WERE VERIFIED WITH THE VEEDER ROOT SYSTEM PRINTOUT SCANNED TO THE REPORT. THE SET UP AND ALARM HISTORY ARE ALSO ATTACHED TO THE REPORT AS WELL 4) SPILL BUCKET CONTAINERS WERE TESTED AND PASSED 5) THE FOLLOWING EQUIPMENT WAS REPLACED: OVERFILL ALARM LIGHT BULB AND GREEN LIGHT BULB ON VEEDER ROOT PANEL 6) LIQUID WAS FOUND WITHIN ALL 4 FILL SUMPS, BUT WAS CORRECTED ON SITE BY LUIS NAVARRO 7) ALL SENSORS WERE PLACED IN THE LOWEST PART OF THE SUMPS AND CONTAINMENT 8) ALL AUDIBLE/VISUAL ALARMS WERE IN PROPER WORKING ORDER 9) THE FACILITY DID STAY IN COMPLIANCE WITH THEIR ANNUAL MONITOR CERTIFICATION ANNIVERSARY [Truncated]
Eval Division: Los Angeles City Fire Department
Eval Program: UST

GREYHOUND LINES INC. LOS ANGELES MAINTENENCE (Continued) **S101617241**

Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 05-14-2020
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Samuel A. Acosta, Fleet Maintenance Manager
Eval Division: Los Angeles County Fire Department
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 09-20-2022
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Consent to enter, inspect, and take photographs was given by: Oscar Martinez, Maintenance Manager. Documents uploaded to CERS were reviewed and field verified. The Spill Prevention Control and Countermeasure plan and related inspection and testing logs were reviewed on site. Review and correct any violations indicated previously in this report, on or before the COMPLY BY date associated with each violation. NOTE: The LAMC, Sections (L.A.M.C. SECTIONS 57.105.1.4; 57.120.3; 57.121.2 and 57.121.2.1.) requires businesses that store, use or handle hazardous materials in the City of Los Angeles to obtain a Consolidated Permit from the Los Angeles Fire Department CUPA. The California Health and Safety Code (CHAPTER 6.67 SECTION 25270) requires that facilities meeting either of the following requirements be added to the APSA (Aboveground Petroleum Storage Act) program and comply with the regulations set forth in the CHSC. Storage of any liquid petroleum based product [Truncated]
Eval Division: Los Angeles City Fire Department
Eval Program: APSA
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 09-23-2022
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: 1614 E 7th St Continuation of facility inspection for facility at 1614 E 7th St due to the facility initially not having a copy of the SPCC plan on-site during the on-site inspection. The manager on-site did not know a copy was available on a online portal.
Eval Division: Los Angeles City Fire Department
Eval Program: APSA
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 11-13-2013
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Los Angeles County Fire Department
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 11-13-2013

GREYHOUND LINES INC. LOS ANGELES MAINTENENCE (Continued) **S101617241**

Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: INSPECTED BY S PHAN CONSENT GIVEN BY ALBERT A. RUBALCABA
Eval Division: Los Angeles County Fire Department
Eval Program: HW
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 12-06-2022
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: 1614 E 7TH ST REVIEWED RECEIVED ANNUAL MONITORING SYSTEM CERTIFICATION & SPILL BUCKET TESTING RESULTS FOR TESTING CONDUCTED ON 2/14/2022 BY PATRICK PFRANG WITH TANKNOLOGY. CONFIRMED RESULTS WERE REQUESTED/ RECEIVED, SCANNED/DOWNLOADED AND ATTACHED IN ENVISION. NO FAILURES NOTED ON THE REPORT.
Eval Division: Los Angeles City Fire Department
Eval Program: UST
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 02-10-2021
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: LAFD Inspector Christopher Young on site 2/10/2021 to conduct routine inspection of underground storage tank facility. Monitoring System components were observed and verified this date. Consent to enter, inspect and take photographs was given on this date by Lilliana Ramirez, Administrative Assistant. Monitoring system certification and line test were conducted at this time. Monitoring certification was performed by Luis Navarro with Tanknology. Monitoring System components were observed and verified on this date. Tester provided the following certifications Luis Navarro ICC: 8171123 Exp: 12/31/2022 VR: #A28342 Exp: 5/28/2022 VMI: #2734 Exp: 7/11/2021 The UST monitoring panel showed all functions normal. The monitoring set up and alarm history were provided for review. The sumps and UDCs were opened for inspection and the sensors were observed positioned to detect a leak at the earliest opportunity. The spill buckets were also visually inspected. The Plan was [Truncated]
Eval Division: Los Angeles City Fire Department
Eval Program: UST
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 02-19-2020
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Consent to enter, inspect and take photographs was given by: Sam Acosta, Fleet Manager. The Business Activities, Owner/Operator Identification, Hazardous Materials Inventory, Site Map, Emergency Response/Contingency Plan and Employee Training Plan sections were reviewed in CERS and field verified. Review and correct any violations indicated previously in this report, on or before the COMPLY BY date associated with each violation. New user instructions are provided below. NOTE: The LAMC, Sections (L.A.M.C. SECTIONS 57.105.1.4; 57.120.3; 57.121.2 and 57.121.2.1.) requires businesses that store, use or handle hazardous materials in the City of Los Angeles to obtain

GREYHOUND LINES INC. LOS ANGELES MAINTENENCE (Continued) **S101617241**

a Consolidated Permit from the Los Angeles Fire Department CUPA **** Annual submission of a Hazardous Materials Business Plan into CERS is required between January 1 and March 1 of every year. Please remember that any change in inventory of greater than 100 percent will require new submission within 30 of [Truncated]

Eval Division: Los Angeles City Fire Department
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 03-10-2015
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Inspection conducted with facility representative Jake Ferguson 213.629.8426, Garage Manager. Unable to locate UST forms in CERS or onsite. Telephoned CERS submittal rep. Nan Cutshall of Strata Environmental via phone (left VM @ 865-539-2077) (ncutshall@strataenv.com &) to procure documents.

Eval Division: Los Angeles City Fire Department
Eval Program: UST
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 03-21-2019
Violations Found: Yes
Eval Type: Other, not routine, done by local agency
Eval Notes: INSPECTOR YOSHIHASHI REVIEWED ALL OUTSTANDING VIOLATIONS FOR THE FOLLOWING FACILITY: FA # 0003095, CERS ID # 10401337. THE 1 ST NOTICE WAS WRITTEN ON 2-13-2019. THE FOLLOWING ITEMS WERE ADDRESSED SINCE THAT DATE: 1) ALL ITEMS WERE ADDRESSED ON REPORT AFTER REVIEW OF THE 1 ST NOTICE OF VIOLATION SENT, THE FOLLOWING VIOLATIONS REMAIN: 1) PLEASE SUBMIT YOUR 2019 MONITOR CERTIFICATION RESULTS DONE BY TANKNOLOGY TO THE LAFD CUPA AS OUTLINED IN THE LAFD CUPA OUTREACH LETTER ATTACHED TO THE EMAIL PLEASE SEE THE FOLLOWING ITEMS MARKED AS "OUT" IN THE CHECKLISTS ABOVE. YOU WILL HAVE 30 DAYS TO COMPLY WITH THIS NOTICE. THANK YOU. THIS REPORT EMAILED TO: Samuel A Acosta 213-629-8426 samuel.acosta@greyhound.com Lilliana Ramirez Lilliana.Ramirez@greyhound.com Nan Cutshall ncutshall@strataenv.com

Eval Division: Los Angeles City Fire Department
Eval Program: UST
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 04-04-2019
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: INSPECTOR YOSHIHASHI REVIEWED THE OVERFILL PREVENTION EQUIPMENT TEST RESULTS CONDUCTED 11-30-2018 BY JAMES WILDHABER OF TANKNOLOGY. THE FOLLOWING WAS VERIFIED: 1) VENT LINES ARE SECONDARILY CONTAINED 2) FILL PIPE RISER ARE SECONDARILY CONTAINED 3) FACILITY SPECIFIED FLAPPERS FOR THEIR 4 DIESEL UST'S ON SITE AS THEIR PRIMARY MEANS OF OVERFILL PREVENTION, WHICH IS ALLOWED BY CONSTRUCTION REQUIREMENTS PER TITLE 23 4) EQUIPMENT WAS VERIFIED TO OPERATE AT OR BELOW 95 % OF TANK CAPACITY 5) FLOW RESTRICTORS WERE REMOVED/SET HIGHER THAN FLAPPER/KEPT ON SITE: MR. WILDHABER STATED NO BALL FLOATS WERE INSTALLED IN REPORT ON ALL UST'S 6) TEST RESULTS WERE AS FOLLOWS: PASS 7) ANY EQUIPMENT FAILED: N 8) CONTRACTOR ATTACHED THE STATE MANDATED RESULTS SUMMARY

GREYHOUND LINES INC. LOS ANGELES MAINTENENCE (Continued) **S101617241**

PAGE, APPROPRIATE TANK CHART, APPROPRIATE PROCEDURES AND CALCULATIONS TO INSPECT THE OVERFILL EQUIPMENT PLEASE SEE THE ATTACHED RESULTS.

Eval Division: Los Angeles City Fire Department
Eval Program: UST
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 04-20-2017
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Facility inspection . cers reviewed and accepted, consent for inspection given by

Eval Division: Los Angeles City Fire Department
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 05-03-2019
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: INSPECTOR YOSHIHASHI REVIEWED ALL OUTSTANDING VIOLATIONS FOR THE FOLLOWING FACILITY: FA # 0003095, CERS ID # 10401337. THE 1 ST NOTICE WAS WRITTEN ON 3-21-2019. THE FOLLOWING ITEMS WERE ADDRESSED SINCE THAT DATE: 1) 2019 MC RESULTS COMPLETED BY TANKNOLOGY SUBMITTED TO LAFD CUPA AFTER REVIEW OF THE 1 ST NOTICE OF VIOLATION SENT, THE FOLLOWING VIOLATIONS REMAIN: 1) NONE

Eval Division: Los Angeles City Fire Department
Eval Program: UST
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 05-06-2020
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: 1614 E 7TH ST REVIEWED RECEIVED ANNUAL MONITORING SYSTEM CERTIFICATION & SPILL BUCKET TESTING RESULTS FOR TESTING CONDUCTED ON 2/19/2020 BY PATRICK PFRANG WITH TANKNOLOGY. CONFIRMED RESULTS WERE RECEIVED, SCANNED/DOWNLOADED AND ATTACHED IN ENVISION. NO FAILURES NOTED ON THE REPORT EXCEPT T3 VR 208 SENSOR WAS REPLACED ON SITE WITH D5 LIKE FOR LIKE PERMIT RECORD ID SREYFKQMK AND REPLACED GREEN POWER LIGHT ON MONITORING CONSOLE.

Eval Division: Los Angeles City Fire Department
Eval Program: UST
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 08-22-2017
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported

Eval Division: Los Angeles County Fire Department
Eval Program: HW
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 12-12-2018
Violations Found: No

GREYHOUND LINES INC. LOS ANGELES MAINTENENCE (Continued) **S101617241**

Eval Type: Other, not routine, done by local agency
Eval Notes: 1614 E 7th St Inspector Young on site to talked to Lili Ramirez about setting up a date to complete a facility inspection that is overdue. Inspector Young looked through facility's UST book to determine monitor cert testing date and DO. Inspector Young contacted DO with Tanknology to set up a date to show up to complete a facility inspection next month during their month DO inspection.
Eval Division: Los Angeles City Fire Department
Eval Program: UST
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-30-2017
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Jake Ferguson, Maintenance Manager.
Eval Division: Los Angeles County Fire Department
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 02-19-2020
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: LAFD Inspector Christopher Young on site 2/19/2020 to conduct routine inspection of underground storage tank facility. Monitoring System components were observed and verified this date. Consent to enter, inspect and take photographs was given on this date by Sam Acosta, Fleet Manager. Monitoring system certification and line test were conducted at this time. Monitoring certification was performed by Patrick Pfrang with Tanknology. Monitoring System components were observed and verified on this date. Tester provided the following certifications Patrick Pfrang ICC: 8202676 Exp: 2/10/2021 VR: #A29052 Exp: 9/5/2021 OTHER: Letter from VMI accepting Tanknology's TLD-5000 Leak Detector Testing Device Line Test License: 95-1590 Exp: 6/30/2020 The UST monitoring panel showed all functions normal. The monitoring set up and alarm history were provided for review. The sumps and UDCs were opened for inspection and the sensors were observed positioned to detect a [Truncated]
Eval Division: Los Angeles City Fire Department
Eval Program: UST
Eval Source: CERS,

Affiliation:
Affiliation Type Desc: Property Owner
Entity Name: City of Los Angeles, Dept of Services/Fleet
Entity Title: Not reported
Affiliation Address: 111 East 1st Street
Affiliation City: Los Angeles
Affiliation State: CA
Affiliation Country: United States
Affiliation Zip: 90012
Affiliation Phone: (323) 526-9200,

Affiliation Type Desc: Document Preparer
Entity Name: Nan Cutshall
Entity Title: Not reported

GREYHOUND LINES INC. LOS ANGELES MAINTENENCE (Continued) **S101617241**

Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	.
Affiliation Type Desc:	Environmental Contact
Entity Name:	Rey Nunez
Entity Title:	Not reported
Affiliation Address:	110 Perimeter Park, Suite E
Affiliation City:	Knoxville
Affiliation State:	TN
Affiliation Country:	Not reported
Affiliation Zip:	37922
Affiliation Phone:	.
Affiliation Type Desc:	Identification Signer
Entity Name:	Nan Cutshall
Entity Title:	Authorized Representative
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	.
Affiliation Type Desc:	Legal Owner
Entity Name:	Greyhound Lines, Inc.
Entity Title:	Not reported
Affiliation Address:	350 North St. Paul Street, Patriot Tower
Affiliation City:	Dallas
Affiliation State:	TX
Affiliation Country:	United States
Affiliation Zip:	75201
Affiliation Phone:	(214) 849-8000,
Affiliation Type Desc:	UST Property Owner Name
Entity Name:	City of Los Angeles, Dept. of Gen. Service
Entity Title:	Not reported
Affiliation Address:	111 East 1st Street
Affiliation City:	Los Angeles
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	90012
Affiliation Phone:	(323) 526-9200,
Affiliation Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	Not reported
Affiliation Address:	110 Perimeter Park, Suite E
Affiliation City:	Knoxville
Affiliation State:	TN
Affiliation Country:	Not reported
Affiliation Zip:	37922
Affiliation Phone:	.

GREYHOUND LINES INC. LOS ANGELES MAINTENENCE (Continued) **S101617241**

Affiliation Type Desc:	Operator
Entity Name:	Greyhound Lines, Inc. #892001
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	(213) 629-8464,
Affiliation Type Desc:	UST Permit Applicant
Entity Name:	Nan D. Cutshall, PE
Entity Title:	Authorized Representative
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	(865) 539-2077,
Affiliation Type Desc:	UST Tank Owner
Entity Name:	City of Los Angeles, Dept. of Gen. Service
Entity Title:	Not reported
Affiliation Address:	111 East 1st Street
Affiliation City:	Los Angeles
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	90012
Affiliation Phone:	(323) 526-9200,
Affiliation Type Desc:	CUPA District
Entity Name:	Los Angeles City Fire Department
Entity Title:	Not reported
Affiliation Address:	200 North Main Street, Room 1780
Affiliation City:	Los Angeles
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	90012
Affiliation Phone:	(213) 978-3680,
Affiliation Type Desc:	Parent Corporation
Entity Name:	First Student, Inc.
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,
Affiliation Type Desc:	UST Tank Operator
Entity Name:	Greyhound Lines, Inc. #892001
Entity Title:	Not reported
Affiliation Address:	110 Perimeter Park
Affiliation City:	Knoxville
Affiliation State:	TN
Affiliation Country:	United States

GREYHOUND LINES INC. LOS ANGELES MAINTENENCE (Continued) **S101617241**

Affiliation Zip: 37922
Affiliation Phone: (214) 849-8000,

J76 **GREYHOUND LINES INC.** **UST** **U004346010**
ENE **1614 E 7TH ST** **N/A**
< 1/8 **LOS ANGELES, CA 90021**
0.114 mi.
602 ft. **Site 13 of 14 in cluster J**

Relative: **Higher**

Actual: **248 ft.**

UST:

Name:	GREYHOUND LINES INC.
Address:	1614 E 7TH ST
City,State,Zip:	LOS ANGELES, CA 90021
Facility ID:	24986
Permitting Agency:	LOS ANGELES, CITY OF
CERSID:	Not reported
Latitude:	34.035577
Longitude:	-118.23549
Owner type:	Not reported
Facility type:	Not reported
Num of inuse ust:	Not reported
Num of closed ust:	Not reported
Num of oos ust:	Not reported
Epa region:	Not reported
Tribal lands:	Not reported
Tank owner name:	Not reported
Tank owner mailing address:	Not reported
Tank owner mailing city:	Not reported
Tank owner mailing zip:	Not reported
Tank owner mailing state:	Not reported
Tank operator name:	Not reported
Tank operator mailing address:	Not reported
Tank operator mailing city:	Not reported
Tank operator mailing zip:	Not reported
Tank operator mailing state:	Not reported
Tankidnumber:	Not reported
Tank status:	Not reported
Tank configuration:	Not reported
Tank closure date:	Not reported
Tank installation date:	Not reported
Tank num of compartments:	Not reported
Tank contents:	Not reported
Tank capacity gallons:	Not reported
Tank type:	Not reported
Tank pc construction:	Not reported
Tank pwpiping construction:	Not reported
Tank piping type:	Not reported
Tank piping construction:	Not reported
Tank sacrificial anode:	Not reported
Tank cp impressed current:	Not reported
Tank cp shutoff:	Not reported
Tank alarms:	Not reported
Tank ball float:	Not reported
Tank spill bucket:	Not reported

J77
ENE
< 1/8
0.114 mi.
602 ft.

GREYHOUND LINES, INC. #892001
1614 EAST 7TH STREET
LOS ANGELES, CA 90021

Site 14 of 14 in cluster J

AST **A100420526**
N/A

Relative:
Higher

Actual:
248 ft.

AST:

Name:	GREYHOUND LINES, INC. #892001
Address:	1614 EAST 7TH STREET
City/Zip:	LOS ANGELES,90021
Certified Unified Program Agencies:	Not reported
Owner:	Greyhound Lines, Inc.
Total Gallons:	Not reported
CERSID:	10401337
Facility ID:	FA0003095
Business Name:	FirstGroup America
Phone:	213-629-8464
Fax:	213-489-7849
Mailing Address:	110 Perimeter Park, Suite E
Mailing Address City:	Knoxville
Mailing Address State:	TN
Mailing Address Zip Code:	37922
Operator Name:	Greyhound Lines, Inc. #892001
Operator Phone:	213-629-8464
Owner Phone:	513-241-2200
Owner Mail Address:	600 Vine Street, Suite 1400
Owner State:	OH
Owner Zip Code:	45202
Owner Country:	United States
Property Owner Name:	Greyhound Lines, Inc.
Property Owner Phone:	513-241-2200
Property Owner Mailing Address:	600 Vine Street, Suite 1400
Property Owner City:	Cincinnati
Property Owner Stat :	OH
Property Owner Zip Code:	45202
Property Owner Country:	United States
EPAID:	CAD981439342

H78
NNE
< 1/8
0.115 mi.
609 ft.

CAMDEN USA, INC.
1525 INDUSTRIAL STREET
LOS ANGELES, CA 90021

Site 5 of 9 in cluster H

RCRA NonGen / NLR **1025863824**
CAC003044618

Relative:
Higher

Actual:
251 ft.

RCRA Listings:

Date Form Received by Agency:		20191122
Handler Name:	CAMDEN USA, INC.	
Handler Address:		1525 INDUSTRIAL STREET
Handler City,State,Zip:		LOS ANGELES, CA 90021
EPA ID:		CAC003044618
Contact Name:		JEFF LAROSA
Contact Address:		11 GREENWAY PLAZA, SUITE 2400
Contact City,State,Zip:		HOUSTON, TX 77046
Contact Telephone:		714-299-4556
Contact Fax:		Not reported
Contact Email:		JLAROSA@CAMDENLIVING.COM
Contact Title:		Not reported
EPA Region:		09
Land Type:		Not reported
Federal Waste Generator Description:		Not a generator, verified

CAMDEN USA, INC. (Continued) **1025863824**

Non-Notifier:		Not reported
Biennial Report Cycle:		Not reported
Accessibility:		Not reported
Active Site Indicator:		Not reported
State District Owner:		Not reported
State District:		Not reported
Mailing Address:		11 GREENWAY PLAZA, SUITE 2400
Mailing City,State,Zip:		HOUSTON, TX 77046
Owner Name:	CAMDEN USA, INC.	
Owner Type:		Other
Operator Name:	JEFF LAROSA	
Operator Type:		Other
Short-Term Generator Activity:		No
Importer Activity:		No
Mixed Waste Generator:		No
Transporter Activity:		No
Transfer Facility Activity:		No
Recycler Activity with Storage:		No
Small Quantity On-Site Burner Exemption:		No
Smelting Melting and Refining Furnace Exemption:		No
Underground Injection Control:		No
Off-Site Waste Receipt:		No
Universal Waste Indicator:		No
Universal Waste Destination Facility:		No
Federal Universal Waste:		No
Active Site Fed-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site Converter Treatment storage and Disposal Facility:		Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site State-Reg Handler:		---
Federal Facility Indicator:		Not reported
Hazardous Secondary Material Indicator:		N
Sub-Part K Indicator:		Not reported
Commercial TSD Indicator:		No
Treatment Storage and Disposal Type:		Not reported
2018 GPRA Permit Baseline:		Not on the Baseline
2018 GPRA Renewals Baseline:		Not on the Baseline
Permit Renewals Workload Universe:		Not reported
Permit Workload Universe:		Not reported
Permit Progress Universe:		Not reported
Post-Closure Workload Universe:		Not reported
Closure Workload Universe:		Not reported
202 GPRA Corrective Action Baseline:		No
Corrective Action Workload Universe:		No
Subject to Corrective Action Universe:		No
Non-TSDFs Where RCRA CA has Been Imposed Universe:		No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:		No
TSDFs Only Subject to CA under Discretionary Auth Universe:		No
Corrective Action Priority Ranking:		No NCAPS ranking
Environmental Control Indicator:		No
Institutional Control Indicator:		No
Human Exposure Controls Indicator:		N/A
Groundwater Controls Indicator:		N/A
Operating TSDF Universe:		Not reported
Full Enforcement Universe:		Not reported
Significant Non-Complier Universe:		No
Unaddressed Significant Non-Complier Universe:		No
Addressed Significant Non-Complier Universe:		No

CAMDEN USA, INC. (Continued) **1025863824**

Significant Non-Complier With a Compliance Schedule Universe: No
Financial Assurance Required: Not reported
Handler Date of Last Change: 20191127
Recognized Trader-Importer: No
Recognized Trader-Exporter: No
Importer of Spent Lead Acid Batteries: No
Exporter of Spent Lead Acid Batteries: No
Recycler Activity Without Storage: No
Manifest Broker: No
Sub-Part P Indicator: No

Handler - Owner Operator:
Owner/Operator Indicator: Operator
Owner/Operator Name: JEFF LAROSA
Legal Status: Other
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: 11 GREENWAY PLAZA, SUITE 2400
Owner/Operator City,State,Zip: HOUSTON, TX 77046
Owner/Operator Telephone: 714-299-4556
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner
Owner/Operator Name: CAMDEN USA, INC.
Legal Status: Other
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: 11 GREENWAY PLAZA, SUITE 2400
Owner/Operator City,State,Zip: HOUSTON, TX 77046
Owner/Operator Telephone: 714-299-4556
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:
Receive Date: 20191122
Handler Name: CAMDEN USA, INC.
Federal Waste Generator Description: Not a generator, verified
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Code: 56299
NAICS Description: ALL OTHER WASTE MANAGEMENT SERVICES

CAMDEN USA, INC. (Continued) **1025863824**

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

H79 **UST** **U004300100**
NNE **1525 INDUSTRIAL ST** **N/A**
< 1/8 **LOS ANGELES, CA**
0.115 mi.
609 ft. **Site 6 of 9 in cluster H**

Relative: LOS ANGELES UST:
Higher
Actual: Name: Not reported
251 ft. Address: 1525 INDUSTRIAL ST
City,State,Zip: LOS ANGELES, CA
Facility ID: Not reported
Last Run Date: 01/01/1900
Status: HISTORICAL

H80 **CAMDEN USA, INC.** **RCRA NonGen / NLR** **1026168590**
NNE **1525 INDUSTRIAL STREET** **CAC003068635**
< 1/8 **LOS ANGELES, CA 90021**
0.115 mi.
609 ft. **Site 7 of 9 in cluster H**

Relative: RCRA Listings:
Higher
Actual: Date Form Received by Agency: 20200529
251 ft. Handler Name: CAMDEN USA, INC.
Handler Address: 1525 INDUSTRIAL STREET
Handler City,State,Zip: LOS ANGELES, CA 90021
EPA ID: CAC003068635
Contact Name: JEFF LAROSA
Contact Address: 11 GREENWAY PLAZA, SUITE 2400
Contact City,State,Zip: HOUSTON, TX 77046
Contact Telephone: 714-299-4556
Contact Fax: Not reported
Contact Email: JLAROSA@CAMDENLIVING.COM
Contact Title: Not reported
EPA Region: 09
Land Type: Not reported
Federal Waste Generator Description: Not a generator, verified
Non-Notifier: Not reported
Biennial Report Cycle: Not reported
Accessibility: Not reported
Active Site Indicator: Not reported
State District Owner: Not reported
State District: Not reported
Mailing Address: 11 GREENWAY PLAZA, SUITE 2400
Mailing City,State,Zip: HOUSTON, TX 77046
Owner Name: CAMDEN USA, INC.
Owner Type: Other
Operator Name: JEFF LAROSA
Operator Type: Other

CAMDEN USA, INC. (Continued) **1026168590**

Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required: Not reported	
Handler Date of Last Change:	20200608
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

CAMDEN USA, INC. (Continued) **1026168590**

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name: CAMDEN USA, INC.	
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	11 GREENWAY PLAZA, SUITE 2400
Owner/Operator City,State,Zip:	HOUSTON, TX 77046
Owner/Operator Telephone:	714-299-4556
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name: JEFF LAROSA	
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	11 GREENWAY PLAZA, SUITE 2400
Owner/Operator City,State,Zip:	HOUSTON, TX 77046
Owner/Operator Telephone:	714-299-4556
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	20200529
Handler Name: CAMDEN USA, INC.	
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

List of NAICS Codes and Descriptions:

NAICS Code:	56299
NAICS Description:	ALL OTHER WASTE MANAGEMENT SERVICES

Facility Has Received Notices of Violations:

Violations:	No Violations Found

Evaluation Action Summary:

Evaluations:	No Evaluations Found

H81
NNE
< 1/8
0.115 mi.
609 ft.

CAMDEN USA, INC.
1525 INDUSTRIAL STREET
LOS ANGELES, CA 90021

Site 8 of 9 in cluster H

RCRA NonGen / NLR

1026050418
CAC003057250

Relative:
Higher

Actual:
251 ft.

RCRA Listings:

Date Form Received by Agency:		20200224
Handler Name:	CAMDEN USA, INC.	
Handler Address:		1525 INDUSTRIAL STREET
Handler City,State,Zip:		LOS ANGELES, CA 90021
EPA ID:		CAC003057250
Contact Name:		JEFF LAROSA
Contact Address:		11 GREENWAY PLZ
Contact City,State,Zip:		HOUSTON, TX 77046-1100
Contact Telephone:		714-299-4556
Contact Fax:		Not reported
Contact Email:		JLAROSA@CAMDENLIVING.COM
Contact Title:		Not reported
EPA Region:		09
Land Type:		Not reported
Federal Waste Generator Description:		Not a generator, verified
Non-Notifier:		Not reported
Biennial Report Cycle:		Not reported
Accessibility:		Not reported
Active Site Indicator:		Not reported
State District Owner:		Not reported
State District:		Not reported
Mailing Address:		11 GREENWAY PLZ
Mailing City,State,Zip:		HOUSTON, TX 77046-1100
Owner Name:	CAMDEN USA, INC.	
Owner Type:		Other
Operator Name:	JEFF LAROSA	
Operator Type:		Other
Short-Term Generator Activity:		No
Importer Activity:		No
Mixed Waste Generator:		No
Transporter Activity:		No
Transfer Facility Activity:		No
Recycler Activity with Storage:		No
Small Quantity On-Site Burner Exemption:		No
Smelting Melting and Refining Furnace Exemption:		No
Underground Injection Control:		No
Off-Site Waste Receipt:		No
Universal Waste Indicator:		No
Universal Waste Destination Facility:		No
Federal Universal Waste:		No
Active Site Fed-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site Converter Treatment storage and Disposal Facility:		Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site State-Reg Handler:		---
Federal Facility Indicator:		Not reported
Hazardous Secondary Material Indicator:		N
Sub-Part K Indicator:		Not reported
Commercial TSD Indicator:		No
Treatment Storage and Disposal Type:		Not reported
2018 GPRA Permit Baseline:		Not on the Baseline
2018 GPRA Renewals Baseline:		Not on the Baseline
Permit Renewals Workload Universe:		Not reported

CAMDEN USA, INC. (Continued) **1026050418**

Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required: Not reported	
Handler Date of Last Change:	20200306
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name: CAMDEN USA, INC.	
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	11 GREENWAY PLZ
Owner/Operator City,State,Zip:	HOUSTON, TX 77046-1100
Owner/Operator Telephone:	714-299-4556
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name: JEFF LAROSA	
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	11 GREENWAY PLZ
Owner/Operator City,State,Zip:	HOUSTON, TX 77046-1100
Owner/Operator Telephone:	714-299-4556
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

CAMDEN USA, INC. (Continued) **1026050418**

Historic Generators:
- Receive Date: 20200224
- Handler Name: CAMDEN USA, INC.
- Federal Waste Generator Description: Not a generator, verified
- State District Owner: Not reported
- Large Quantity Handler of Universal Waste: No
- Recognized Trader Importer: No
- Recognized Trader Exporter: No
- Spent Lead Acid Battery Importer: No
- Spent Lead Acid Battery Exporter: No
- Current Record: Yes
- Non Storage Recycler Activity: Not reported
- Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
- NAICS Code: 56299
- NAICS Description: ALL OTHER WASTE MANAGEMENT SERVICES

Facility Has Received Notices of Violations:
- Violations: No Violations Found

Evaluation Action Summary:
- Evaluations: No Evaluations Found

H82 **UNION CENTRAL COLD STORAGE INC** **RCRA-SQG** **1000336427**
NNE **1525 INDUSTRIAL STREET** **FINDS** **CAD981583891**
< 1/8 **LOS ANGELES, CA 90021** **ECHO**
0.115 mi.
609 ft. **Site 9 of 9 in cluster H**

Relative: **Higher**
Actual: **251 ft.**

RCRA Listings:
- Date Form Received by Agency: 19960901
- Handler Name: UNION CENTRAL COLD STORAGE INC
- Handler Address: 1525 INDUSTRIAL STREET
- Handler City,State,Zip: LOS ANGELES, CA 90021
- EPA ID: CAD981583891
- Contact Name: Not reported
- Contact Address: Not reported
- Contact City,State,Zip: Not reported
- Contact Telephone: Not reported
- Contact Fax: Not reported
- Contact Email: Not reported
- Contact Title: Not reported
- EPA Region: 09
- Land Type: Not reported
- Federal Waste Generator Description: Small Quantity Generator
- Non-Notifier: Not reported
- Biennial Report Cycle: Not reported
- Accessibility: Not reported
- Active Site Indicator: Handler Activities
- State District Owner: CA
- State District: 4R
- Mailing Address: 1525 INDUSTRIAL STREET
- Mailing City,State,Zip: LOS ANGELES, CA 90021
- Owner Name: Not reported

UNION CENTRAL COLD STORAGE INC (Continued) **1000336427**

Owner Type:		Not reported
Operator Name:	NOT REQUIRED	
Operator Type:		Private
Short-Term Generator Activity:		No
Importer Activity:		No
Mixed Waste Generator:		No
Transporter Activity:		No
Transfer Facility Activity:		No
Recycler Activity with Storage:		No
Small Quantity On-Site Burner Exemption:		No
Smelting Melting and Refining Furnace Exemption:		No
Underground Injection Control:		No
Off-Site Waste Receipt:		No
Universal Waste Indicator:		No
Universal Waste Destination Facility:		No
Federal Universal Waste:		No
Active Site Fed-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site Converter Treatment storage and Disposal Facility:		Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site State-Reg Handler:		---
Federal Facility Indicator:		Not reported
Hazardous Secondary Material Indicator:		NN
Sub-Part K Indicator:		Not reported
Commercial TSD Indicator:		No
Treatment Storage and Disposal Type:		Not reported
2018 GPRA Permit Baseline:		Not on the Baseline
2018 GPRA Renewals Baseline:		Not on the Baseline
Permit Renewals Workload Universe:		Not reported
Permit Workload Universe:		Not reported
Permit Progress Universe:		Not reported
Post-Closure Workload Universe:		Not reported
Closure Workload Universe:		Not reported
202 GPRA Corrective Action Baseline:		No
Corrective Action Workload Universe:		No
Subject to Corrective Action Universe:		No
Non-TSDFs Where RCRA CA has Been Imposed Universe:		No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:		No
TSDFs Only Subject to CA under Discretionary Auth Universe:		No
Corrective Action Priority Ranking:		No NCAPS ranking
Environmental Control Indicator:		No
Institutional Control Indicator:		No
Human Exposure Controls Indicator:		N/A
Groundwater Controls Indicator:		N/A
Operating TSDF Universe:		Not reported
Full Enforcement Universe:		Not reported
Significant Non-Complier Universe:		No
Unaddressed Significant Non-Complier Universe:		No
Addressed Significant Non-Complier Universe:		No
Significant Non-Complier With a Compliance Schedule Universe:		No
Financial Assurance Required:	Not reported	
Handler Date of Last Change:		20020627
Recognized Trader-Importer:		No
Recognized Trader-Exporter:		No
Importer of Spent Lead Acid Batteries:		No
Exporter of Spent Lead Acid Batteries:		No
Recycler Activity Without Storage:		Not reported
Manifest Broker:		Not reported

UNION CENTRAL COLD STORAGE INC (Continued) **1000336427**

Sub-Part P Indicator: No

Handler - Owner Operator:
Owner/Operator Indicator: Owner
Owner/Operator Name: FRED RADER
Legal Status: Private
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: NOT REQUIRED
Owner/Operator City,State,Zip: NOT REQUIRED, ME 99999
Owner/Operator Telephone: 415-555-1212
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator
Owner/Operator Name: NOT REQUIRED
Legal Status: Private
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: NOT REQUIRED
Owner/Operator City,State,Zip: NOT REQUIRED, ME 99999
Owner/Operator Telephone: 415-555-1212
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:
Receive Date: 19960901
Handler Name: UNION CENTRAL COLD STORAGE INC
Federal Waste Generator Description: Small Quantity Generator
State District Owner: CA
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 19861110
Handler Name: UNION CENTRAL COLD STORAGE INC
Federal Waste Generator Description: Large Quantity Generator
State District Owner: CA
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

UNION CENTRAL COLD STORAGE INC (Continued) **1000336427**

List of NAICS Codes and Descriptions:
NAICS Code: 49312
NAICS Description: REFRIGERATED WAREHOUSING AND STORAGE

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

FINDS:
Registry ID: 110002723526

Click Here for FRS Facility Detail Report:

Environmental Interest/Information System:
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.
Registry ID: 110070678499

Click Here for FRS Facility Detail Report:

Environmental Interest/Information System:
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:
Envid: 1000336427
Registry ID: 110002723526
DFR URL: http://echo.epa.gov/detailed-facility-report?fid=110002723526
Name: UNION CENTRAL COLD STORAGE INC
Address: 1525 INDUSTRIAL STREET
City,State,Zip: LOS ANGELES, CA 90021

K83 **ALAMEDA SQUARE** **RCRA-SQG 1019899677**
NNW **1318 E 7TH ST STE 200** **FINDS CAR000267963**
< 1/8 **LOS ANGELES, CA 90021** **ECHO**
0.116 mi.
610 ft. **Site 3 of 5 in cluster K**

Relative: Higher
Actual: 251 ft.

RCRA Listings:
Date Form Received by Agency: 20161019
Handler Name: ALAMEDA SQUARE
Handler Address: 1318 E 7TH ST STE 200
Handler City,State,Zip: LOS ANGELES, CA 90021

ALAMEDA SQUARE (Continued) **1019899677**

EPA ID:		CAR000267963
Contact Name:		ANDREA J RAMELLA
Contact Address:		E 7TH ST STE 200
Contact City,State,Zip:		LOS ANGELES, CA 90021
Contact Telephone:		213-247-7239
Contact Fax:		213-290-9663
Contact Email:		ARAMELLA@ATLAS-CAP.COM
Contact Title:		DIRECTOR DEVELOPMENT CONTRACTOR
EPA Region:		09
Land Type:		Private
Federal Waste Generator Description:		Small Quantity Generator
Non-Notifier:		Not reported
Biennial Report Cycle:		Not reported
Accessibility:		Not reported
Active Site Indicator:		Handler Activities
State District Owner:		Not reported
State District:		Not reported
Mailing Address:		E 7TH ST STE 200
Mailing City,State,Zip:		LOS ANGELES, CA 90021
Owner Name:	ALAMEDA SQUARE OWNER LLC	
Owner Type:		Private
Operator Name:	ALAMEDA SQUARE	
Operator Type:		Private
Short-Term Generator Activity:		No
Importer Activity:		No
Mixed Waste Generator:		No
Transporter Activity:		No
Transfer Facility Activity:		No
Recycler Activity with Storage:		No
Small Quantity On-Site Burner Exemption:		No
Smelting Melting and Refining Furnace Exemption:		No
Underground Injection Control:		No
Off-Site Waste Receipt:		No
Universal Waste Indicator:		No
Universal Waste Destination Facility:		No
Federal Universal Waste:		No
Active Site Fed-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site Converter Treatment storage and Disposal Facility:		Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site State-Reg Handler:		---
Federal Facility Indicator:		Not reported
Hazardous Secondary Material Indicator:		NN
Sub-Part K Indicator:		Not reported
Commercial TSD Indicator:		No
Treatment Storage and Disposal Type:		Not reported
2018 GPRA Permit Baseline:		Not on the Baseline
2018 GPRA Renewals Baseline:		Not on the Baseline
Permit Renewals Workload Universe:		Not reported
Permit Workload Universe:		Not reported
Permit Progress Universe:		Not reported
Post-Closure Workload Universe:		Not reported
Closure Workload Universe:		Not reported
202 GPRA Corrective Action Baseline:		No
Corrective Action Workload Universe:		No
Subject to Corrective Action Universe:		No
Non-TSDFs Where RCRA CA has Been Imposed Universe:		No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:		No

ALAMEDA SQUARE (Continued) **1019899677**

TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required: Not reported	
Handler Date of Last Change:	20161025
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	Not reported
Manifest Broker:	Not reported
Sub-Part P Indicator:	No

Hazardous Waste Summary:
Waste Code: D008
Waste Description: LEAD

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name: ALAMEDA SQUARE OWNER LLC	
Legal Status:	Private
Date Became Current:	20141009
Date Ended Current:	Not reported
Owner/Operator Address:	450 PARK AVE 4TH FLR
Owner/Operator City,State,Zip:	NEW YORK, NY 10022
Owner/Operator Telephone:	212-554-2228
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name: ALAMEDA SQUARE	
Legal Status:	Private
Date Became Current:	20141009
Date Ended Current:	Not reported
Owner/Operator Address:	Not reported
Owner/Operator City,State,Zip:	Not reported
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	20161019
Handler Name: ALAMEDA SQUARE	
Federal Waste Generator Description:	Small Quantity Generator

ALAMEDA SQUARE (Continued) **1019899677**

State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Code: 531120
NAICS Description: LESSORS OF NONRESIDENTIAL BUILDINGS (EXCEPT MINIWAREHOUSES)

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

FINDS:
Registry ID: 110070124784

Click Here for FRS Facility Detail Report:

Environmental Interest/Information System:
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:
Envid: 1019899677
Registry ID: 110070124784
DFR URL: http://echo.epa.gov/detailed-facility-report?fid=110070124784
Name: ALAMEDA SQUARE
Address: 1318 E 7TH ST STE 200
City,State,Zip: LOS ANGELES, CA 90021

K84 **7TH ST MARKET** **HAZMAT** **S120992038**
NNW **1318 E 7TH ST** **CERS** **N/A**
< 1/8 **LOS ANGELES, CA 90021**
0.116 mi.
610 ft. **Site 4 of 5 in cluster K**

Relative: **Higher**
Actual: **251 ft.**

LOS ANGELES HM:
Name: 7TH ST MARKET
Address: 1318 E 7TH ST
City,State,Zip: LOS ANGELES, CA 90021
Facility ID: FA0034660
Last Run Date: 11/01/2022

7TH ST MARKET (Continued) **S120992038**

Status: ACTIVE

CERS:
Name: 7TH ST MARKET
Address: 1318 E 7TH ST
City,State,Zip: LOS ANGELES, CA 90021
Site ID: 1690
CERS ID: 10258171
CERS Description: Chemical Storage Facilities

Violations:
Site ID: 1690
Site Name: 7TH ST MARKET
Violation Date: 09-14-2018
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description: Failure to establish and electronically submit an adequate emergency response plan and procedures for a release or threatened release of a hazardous material.
Violation Notes: Returned to compliance on 04/27/2022.
Violation Division: Los Angeles City Fire Department
Violation Program: HMRRP
Violation Source: CERS,

Site ID: 1690
Site Name: 7TH ST MARKET
Violation Date: 09-14-2018
Citation: HSC 6.95 25505(a)(4) - California Health and Safety Code, Chapter 6.95, Section(s) 25505(a)(4)
Violation Description: Failure to provide initial and annual training to all employees in safety procedures in the event of a release or threatened release of a hazardous material or failure to document and maintain training records for a minimum of three years.
Violation Notes: Returned to compliance on 04/27/2022.
Violation Division: Los Angeles City Fire Department
Violation Program: HMRRP
Violation Source: CERS,

Site ID: 1690
Site Name: 7TH ST MARKET
Violation Date: 10-29-2018
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description: Failure to complete and electronically submit the Business Activities Page and/or Business Owner Operator Identification Page.
Violation Notes: Returned to compliance on 04/27/2022.
Violation Division: Los Angeles City Fire Department
Violation Program: HMRRP
Violation Source: CERS,

Site ID: 1690
Site Name: 7TH ST MARKET
Violation Date: 10-29-2018
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description: Failure to establish and electronically submit an adequate emergency response plan and procedures for a release or threatened release of a

7TH ST MARKET (Continued) **S120992038**

hazardous material.
Violation Notes: Returned to compliance on 04/27/2022.
Violation Division: Los Angeles City Fire Department
Violation Program: HMRRP
Violation Source: CERS,

Site ID: 1690
Site Name: 7TH ST MARKET
Violation Date: 09-14-2018
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description: Failure to complete and electronically submit hazardous material inventory information for all reportable hazardous materials on site at or above reportable quantities.
Violation Notes: Returned to compliance on 04/27/2022.
Violation Division: Los Angeles City Fire Department
Violation Program: HMRRP
Violation Source: CERS,

Site ID: 1690
Site Name: 7TH ST MARKET
Violation Date: 04-05-2016
Citation: HSC 6.95 25505.1 - California Health and Safety Code, Chapter 6.95, Section(s) 25505.1
Violation Description: Failure to notify property owner in writing that the business is subject to the business plan program and has complied with its provisions.
Violation Notes: Returned to compliance on 10/29/2018.
Violation Division: Los Angeles City Fire Department
Violation Program: HMRRP
Violation Source: CERS,

Site ID: 1690
Site Name: 7TH ST MARKET
Violation Date: 04-05-2016
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description: Failure to establish and electronically submit an adequate emergency response plan and procedures for a release or threatened release of a hazardous material.
Violation Notes: Returned to compliance on 10/29/2018.
Violation Division: Los Angeles City Fire Department
Violation Program: HMRRP
Violation Source: CERS,

Site ID: 1690
Site Name: 7TH ST MARKET
Violation Date: 10-29-2018
Citation: HSC 6.95 25505(a)(4) - California Health and Safety Code, Chapter 6.95, Section(s) 25505(a)(4)
Violation Description: Failure to provide initial and annual training to all employees in safety procedures in the event of a release or threatened release of a hazardous material or failure to document and maintain training records for a minimum of three years.
Violation Notes: Returned to compliance on 04/27/2022.
Violation Division: Los Angeles City Fire Department
Violation Program: HMRRP

7TH ST MARKET (Continued) **S120992038**

Violation Source: CERS,

Site ID: 1690
Site Name: 7TH ST MARKET
Violation Date: 04-05-2016
Citation: HSC 6.95 25507 - California Health and Safety Code, Chapter 6.95, Section(s) 25507
Violation Description: Failure to adequately establish and implement a business plan when storing/handling a hazardous material at or above reportable quantities.
Violation Notes: Returned to compliance on 10/29/2018.
Violation Division: Los Angeles City Fire Department
Violation Program: HMRRP
Violation Source: CERS,

Site ID: 1690
Site Name: 7TH ST MARKET
Violation Date: 09-14-2018
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description: Failure to complete and electronically submit the Business Activities Page and/or Business Owner Operator Identification Page.
Violation Notes: Returned to compliance on 04/27/2022.
Violation Division: Los Angeles City Fire Department
Violation Program: HMRRP
Violation Source: CERS,

Site ID: 1690
Site Name: 7TH ST MARKET
Violation Date: 04-05-2016
Citation: HSC 6.95 25508.2 - California Health and Safety Code, Chapter 6.95, Section(s) 25508.2
Violation Description: Failure to annually review and electronically certify that the business plan is complete, accurate, and up-to-date.
Violation Notes: Returned to compliance on 10/29/2018.
Violation Division: Los Angeles City Fire Department
Violation Program: HMRRP
Violation Source: CERS,

Site ID: 1690
Site Name: 7TH ST MARKET
Violation Date: 04-05-2016
Citation: HSC 6.95 25505(a)(4) - California Health and Safety Code, Chapter 6.95, Section(s) 25505(a)(4)
Violation Description: Failure to provide initial and annual training to all employees in safety procedures in the event of a release or threatened release of a hazardous material or failure to document and maintain training records for a minimum of three years.
Violation Notes: Returned to compliance on 10/29/2018.
Violation Division: Los Angeles City Fire Department
Violation Program: HMRRP
Violation Source: CERS,

Site ID: 1690
Site Name: 7TH ST MARKET
Violation Date: 09-14-2018
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter

7TH ST MARKET (Continued) **S120992038**

6.95, Section(s) 25508(a)(1)
Violation Description: Failure to complete and electronically submit a site map with all required content.
Violation Notes: Returned to compliance on 04/27/2022.
Violation Division: Los Angeles City Fire Department
Violation Program: HMRRP
Violation Source: CERS,

Site ID: 1690
Site Name: 7TH ST MARKET
Violation Date: 10-29-2018
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description: Failure to establish and electronically submit an adequate training program in safety procedures in the event of a release or threatened release of a hazardous material.
Violation Notes: Returned to compliance on 04/27/2022.
Violation Division: Los Angeles City Fire Department
Violation Program: HMRRP
Violation Source: CERS,

Site ID: 1690
Site Name: 7TH ST MARKET
Violation Date: 09-14-2018
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description: Failure to establish and electronically submit an adequate training program in safety procedures in the event of a release or threatened release of a hazardous material.
Violation Notes: Returned to compliance on 04/27/2022.
Violation Division: Los Angeles City Fire Department
Violation Program: HMRRP
Violation Source: CERS,

Site ID: 1690
Site Name: 7TH ST MARKET
Violation Date: 04-05-2016
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description: Failure to establish and electronically submit an adequate training program in safety procedures in the event of a release or threatened release of a hazardous material.
Violation Notes: Returned to compliance on 10/29/2018.
Violation Division: Los Angeles City Fire Department
Violation Program: HMRRP
Violation Source: CERS,

Site ID: 1690
Site Name: 7TH ST MARKET
Violation Date: 04-05-2016
Citation: HSC 6.95 25508(d) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(d)
Violation Description: Failure to complete and/or electronically submit a business plan when storing/handling a hazardous material at or above reportable quantities.
Violation Notes: Returned to compliance on 10/29/2018.
Violation Division: Los Angeles City Fire Department

7TH ST MARKET (Continued) **S120992038**

Violation Program: HMRRP
Violation Source: CERS,

Site ID: 1690
Site Name: 7TH ST MARKET
Violation Date: 04-05-2016
Citation: HSC 6.95 25508.1(a)-(e) - California Health and Safety Code, Chapter 6.95, Section(s) 25508.1(a)-(e)
Violation Description: Failure to electronically update business plan within 30 days of any one of the following events: A 100 percent or more increase in the quantity of a previously disclosed material. Any handling of a previously undisclosed hazardous materials at or above reportable quantities. A change of business address, business ownership, or business name.
Violation Notes: Returned to compliance on 10/29/2018.
Violation Division: Los Angeles City Fire Department
Violation Program: HMRRP
Violation Source: CERS,

Site ID: 1690
Site Name: 7TH ST MARKET
Violation Date: 04-05-2016
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description: Failure to complete and electronically submit hazardous material inventory information for all reportable hazardous materials on site at or above reportable quantities.
Violation Notes: Returned to compliance on 10/29/2018.
Violation Division: Los Angeles City Fire Department
Violation Program: HMRRP
Violation Source: CERS,

Site ID: 1690
Site Name: 7TH ST MARKET
Violation Date: 04-05-2016
Citation: 19 CCR 6.95 25508(a)(1) - California Code of Regulations, Title 19, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description: Failure to complete and electronically submit the Business Activities Page and/or Business Owner Operator Identification Page.
Violation Notes: Returned to compliance on 10/29/2018.
Violation Division: Los Angeles City Fire Department
Violation Program: HMRRP
Violation Source: CERS,

Site ID: 1690
Site Name: 7TH ST MARKET
Violation Date: 10-29-2018
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description: Failure to complete and electronically submit a site map with all required content.
Violation Notes: Returned to compliance on 04/27/2022.
Violation Division: Los Angeles City Fire Department
Violation Program: HMRRP
Violation Source: CERS,

Site ID: 1690

7TH ST MARKET (Continued) **S120992038**

Site Name: 7TH ST MARKET
Violation Date: 10-29-2018
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description: Failure to complete and electronically submit hazardous material inventory information for all reportable hazardous materials on site at or above reportable quantities.
Violation Notes: Returned to compliance on 04/27/2022.
Violation Division: Los Angeles City Fire Department
Violation Program: HMRRP
Violation Source: CERS,

Site ID: 1690
Site Name: 7TH ST MARKET
Violation Date: 04-05-2016
Citation: HSC 6.95 25505.1 - California Health and Safety Code, Chapter 6.95, Section(s) 25505.1
Violation Description: Failure to provide a copy of the business plan to the owner or the owner's agent within five working days after receiving a request for a copy from the owner or the owner's agent.
Violation Notes: Returned to compliance on 10/29/2018.
Violation Division: Los Angeles City Fire Department
Violation Program: HMRRP
Violation Source: CERS,

Site ID: 1690
Site Name: 7TH ST MARKET
Violation Date: 04-05-2016
Citation: HSC 6.95 25508.1(f) - California Health and Safety Code, Chapter 6.95, Section(s) 25508.1(f)
Violation Description: Failure to electronically update the business plan within 30 days of a substantial change.
Violation Notes: Returned to compliance on 10/29/2018.
Violation Division: Los Angeles City Fire Department
Violation Program: HMRRP
Violation Source: CERS,

Evaluation:
Eval General Type: Other/Unknown
Eval Date: 10-29-2018
Violations Found: Yes
Eval Type: Other, not routine, done by local agency
Eval Notes: Second Notice of Violation Inspection Report Documents uploaded to CERS were reviewed. Indicated previously in this report are violations, originally issued on 9-14-18 that have not been resolved by the original COMPLY BY date. These violations have been re-issued and the violation class upgraded. Review and correct all violations indicated in this report, on or before the new COMPLY BY date associated with each violation. Failure to resolve these violations will result in this facility being subject to formal enforcement. New user instructions are provided below. The LAMC, Sections (L.A.M.C. SECTIONS 57.105.1.4; 57.120.3; 57.121.2 and 57.121.2.1.) requires businesses that store, use or handle hazardous materials in the City of Los Angeles to obtain a Consolidated Permit from the Los Angeles Fire Department CUPA. To receive a Consolidated Permit you must satisfy the following requirement: **** Annual submission of a Hazardous Materials Business Plan into CERS is [Truncated]

7TH ST MARKET (Continued) **S120992038**

Eval Division: Los Angeles City Fire Department
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 04-05-2016
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: On site for routine hazardous materials and business emergency plan inspection. Consent to enter and inspect was given by Veronica Seglin. Observed the facility and inspected hazardous materials storage. Annual employee safety training records were not maintained. Facility has also not electronically disclosed the on site hazardous materials inventory or submitted a business emergency plan in California Environmental Reporting System (CERS). Please go to https://cersbusiness2.calepa.ca.gov to complete a chemical inventory disclosure and business emergency plan. The facility is responsible for identifying all hazardous materials, to include hazardous wastes, which are above disclosure thresholds. If there is a change in the type or amount of chemicals that are maintained on site, please submit revised documents (electronically) within 30 days of the change.

Eval Division: Los Angeles City Fire Department
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 04-28-2022
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: I COMPLETED A PRE-INPECTION IN CERS AND ECR FOR 1318 E 7TH ST. I CONTACTED GABBY @213-221-3400. GABBY WORKS FOR A PROPERTY MANAGEMENT COMPANY THAT MANAGES 1318 E 7TH ST. DURING MY INVESTIGATION, GABBY TOLD ME THAT THE PROPERTY IN QUESTION WAS THE RESPONSIBILITY OF HENRY AUSTIN @213-290-9633. I WAS NOT ABLE TO GET IN CONTACT WITH HENRY. I WILL TRY AGAIN AT ANOTHER DATE AND TIME.

Eval Division: Los Angeles City Fire Department
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 09-14-2018
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Inspection Report Consent to enter, inspect and take photographs was given by: Documents uploaded to CERS were reviewed and field verified. The following is a list items that need to be corrected: 1. 2. 3. NOTE: The LAMC, Sections (L.A.M.C. SECTIONS 57.105.1.4; 57.120.3; 57.121.2 and 57.121.2.1.) requires business that store, uses or handle hazardous materials in the City of Los Angeles to obtain a Consolidated Permit from the Los Angeles Fire Department CUPA. To receive a Consolidated Permit you must satisfy the following requirement: **** Annual submission of a hazardous materials business plan to CERS by March 1 of every year. Please remember that any change in inventory of greater than 100 percent will require new submission within 30 days of that change. For new CERS users, please follow the procedures below: 1. Log in to http://cers.calepa.ca.gov to create a user name and password. The approval will take 2-3 days and

7TH ST MARKET (Continued) **S120992038**

Confirmation will be send to [Truncated]
Eval Division: Los Angeles City Fire Department
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 09-12-2018
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Inspection Report Consent to enter, inspect and take photographs was given by: Documents uploaded to CERS were reviewed and field verified. The following is a list items that need to be corrected: 1. (Document submittal by facility is accurate and no further action is necessary or add compliance issues) 2. 3. NOTE: The LAMC, Sections (L.A.M.C. SECTIONS 57.105.1.4; 57.120.3; 57.121.2 and 57.121.2.1.) requires business that store, uses or handle hazardous materials in the City of Los Angeles to obtain a Consolidated Permit from the Los Angeles Fire Department CUPA. To receive a Consolidated Permit you must satisfy the following requirement: **** Annual submission of a hazardous materials business plan to CERS by March 1 of every year. Please remember that any change in inventory of greater than 100 percent will require new submission within 30 days of that change. For new CERS users, please follow the procedures below: 1. Log in to http://cers.calepa.ca.gov [Truncated]
Eval Division: Los Angeles City Fire Department
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 04-27-2022
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Los Angeles City Fire Department
Eval Program: HMRRP
Eval Source: CERS,

Coordinates:
Site ID: 1690
Facility Name: 7TH ST MARKET
Env Int Type Code: HMBP
Program ID: 10258171
Coord Name: Not reported
Ref Point Type Desc: Center of a facility or station.,
Latitude: 34.036400
Longitude: -118.240730

Affiliation:
Affiliation Type Desc: Legal Owner
Entity Name: LA ALAMEDA GROUP
Entity Title: Not reported
Affiliation Address: 761 TERMINAL ST FLR 2ND
Affiliation City: LOS ANGELES
Affiliation State: CA
Affiliation Country: United States
Affiliation Zip: 90021

7TH ST MARKET (Continued) **S120992038**

Affiliation Phone:	(213) 494-0206,
Affiliation Type Desc:	Parent Corporation
Entity Name:	7TH ST MARKET
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	.
Affiliation Type Desc:	CUPA District
Entity Name:	Los Angeles City Fire Department
Entity Title:	Not reported
Affiliation Address:	200 North Main Street, Room 1780
Affiliation City:	Los Angeles
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	90012
Affiliation Phone:	(213) 978-3680,
Affiliation Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	Not reported
Affiliation Address:	761 TERMINAL ST FL 2ND
Affiliation City:	LOS ANGELES
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	90021
Affiliation Phone:	.

K85 **ALAMEDA SQUARE OWNER LLC ATLAS CAPITAL GROUP** **RCRA NonGen / NLR** **1024857132**
NNW **1318 E 7TH ST STE 200** **CAL000422113**
< 1/8 **LOS ANGELES, CA 90021**
0.116 mi.
610 ft. **Site 5 of 5 in cluster K**

Relative: **Higher**
Actual: **251 ft.**

RCRA Listings:

Date Form Received by Agency:	20161116
Handler Name:	ALAMEDA SQUARE OWNER LLC ATLAS CAPITAL GROUP
Handler Address:	1318 E 7TH ST STE 200
Handler City,State,Zip:	LOS ANGELES, CA 90021
EPA ID:	CAL000422113
Contact Name:	ANDREA RAMELLA
Contact Address:	1318 E 7TH ST FL 2
Contact City,State,Zip:	LOS ANGELES, CA 90021
Contact Telephone:	213-290-9645
Contact Fax:	310-595-4374
Contact Email:	ARAMELLA@ATLAS-CAP.COM
Contact Title:	Not reported
EPA Region:	09
Land Type:	Not reported
Federal Waste Generator Description:	Not a generator, verified
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported

ALAMEDA SQUARE OWNER LLC ATLAS CAPITAL GROUP (Continued) **1024857132**

Active Site Indicator:		Handler Activities
State District Owner:		Not reported
State District:		Not reported
Mailing Address:		1318 E 7TH ST STE 200
Mailing City,State,Zip:		LOS ANGELES, CA 90021
Owner Name:	ATLAS CAPITAL GROUP	
Owner Type:		Other
Operator Name:	ANDREA RAMELLA	
Operator Type:		Other
Short-Term Generator Activity:		No
Importer Activity:		No
Mixed Waste Generator:		No
Transporter Activity:		No
Transfer Facility Activity:		No
Recycler Activity with Storage:		No
Small Quantity On-Site Burner Exemption:		No
Smelting Melting and Refining Furnace Exemption:		No
Underground Injection Control:		No
Off-Site Waste Receipt:		No
Universal Waste Indicator:		Yes
Universal Waste Destination Facility:		Yes
Federal Universal Waste:		No
Active Site Fed-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site Converter Treatment storage and Disposal Facility:		Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site State-Reg Handler:		---
Federal Facility Indicator:		Not reported
Hazardous Secondary Material Indicator:		N
Sub-Part K Indicator:		Not reported
Commercial TSD Indicator:		No
Treatment Storage and Disposal Type:		Not reported
2018 GPRA Permit Baseline:		Not on the Baseline
2018 GPRA Renewals Baseline:		Not on the Baseline
Permit Renewals Workload Universe:		Not reported
Permit Workload Universe:		Not reported
Permit Progress Universe:		Not reported
Post-Closure Workload Universe:		Not reported
Closure Workload Universe:		Not reported
202 GPRA Corrective Action Baseline:		No
Corrective Action Workload Universe:		No
Subject to Corrective Action Universe:		No
Non-TSDFs Where RCRA CA has Been Imposed Universe:		No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:		No
TSDFs Only Subject to CA under Discretionary Auth Universe:		No
Corrective Action Priority Ranking:		No NCAPS ranking
Environmental Control Indicator:		No
Institutional Control Indicator:		No
Human Exposure Controls Indicator:		N/A
Groundwater Controls Indicator:		N/A
Operating TSDF Universe:		Not reported
Full Enforcement Universe:		Not reported
Significant Non-Complier Universe:		No
Unaddressed Significant Non-Complier Universe:		No
Addressed Significant Non-Complier Universe:		No
Significant Non-Complier With a Compliance Schedule Universe:		No
Financial Assurance Required:	Not reported	
Handler Date of Last Change:		20180907

ALAMEDA SQUARE OWNER LLC ATLAS CAPITAL GROUP (Continued) **1024857132**

Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name: ATLAS CAPITAL GROUP	
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	450 PARK AVE 4TH FL
Owner/Operator City,State,Zip:	NEW YORK, NY 10022
Owner/Operator Telephone:	212-554-2228
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name: ANDREA RAMELLA	
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	1318 E 7TH ST FL 2
Owner/Operator City,State,Zip:	LOS ANGELES, CA 90021
Owner/Operator Telephone:	213-290-9645
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	20161116
Handler Name:	ALAMEDA SQUARE OWNER LLC ATLAS CAPITAL GROUP
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

List of NAICS Codes and Descriptions:

NAICS Code:	71131
NAICS Description:	PROMOTERS OF PERFORMING ARTS, SPORTS, AND SIMILAR EVENTS WITH FACILITIES

Facility Has Received Notices of Violations:

Violations:	No Violations Found

ALAMEDA SQUARE OWNER LLC ATLAS CAPITAL GROUP (Continued) **1024857132**

Evaluation Action Summary:
Evaluations: No Evaluations Found

O86
NE
< 1/8
0.116 mi.
615 ft.

1538 INDUSTRIAL ST
LOS ANGELES, CA

Site 1 of 5 in cluster O

UST **U004300138**
N/A

Relative:
Higher

Actual:
250 ft.

LOS ANGELES UST:
Name: Not reported
Address: 1538 INDUSTRIAL ST
City,State,Zip: LOS ANGELES, CA
Facility ID: Not reported
Last Run Date: 01/01/1900
Status: HISTORICAL

O87
NE
< 1/8
0.120 mi.
632 ft.

AVA ARTS DISTRICT
1540 INDUSTRIAL ST
LOS ANGELES, CA 90021

Site 2 of 5 in cluster O

RCRA NonGen / NLR **1027449982**
CAC003187804

Relative:
Higher

Actual:
250 ft.

RCRA Listings:

Date Form Received by Agency:		20220801
Handler Name:	AVA ARTS DISTRICT	
Handler Address:		1540 INDUSTRIAL ST
Handler City,State,Zip:		LOS ANGELES, CA 90021
EPA ID:		CAC003187804
Contact Name:		BRENNA HUMBURG
Contact Address:		2050 MAIN STREET
Contact City,State,Zip:		IRVINE, CA 92614
Contact Telephone:		805-368-7690
Contact Fax:		Not reported
Contact Email:		BRENNA_HUMBURG@AVALONBAY.COM
Contact Title:		Not reported
EPA Region:		09
Land Type:		Not reported
Federal Waste Generator Description:		Not a generator, verified
Non-Notifier:		Not reported
Biennial Report Cycle:		Not reported
Accessibility:		Not reported
Active Site Indicator:		Not reported
State District Owner:		Not reported
State District:		Not reported
Mailing Address:		2050 MAIN STREET
Mailing City,State,Zip:		IRVINE, CA 92614
Owner Name:	AVALONBAY COMMUNITIES INC.	
Owner Type:		Other
Operator Name:	BRENNA HUMBURG	
Operator Type:		Other
Short-Term Generator Activity:		No
Importer Activity:		No
Mixed Waste Generator:		No
Transporter Activity:		No

AVA ARTS DISTRICT (Continued) **1027449982**

Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required: Not reported	
Handler Date of Last Change:	20220803
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name: AVALONBAY COMMUNITIES INC.	
Legal Status:	Other

AVA ARTS DISTRICT (Continued) **1027449982**

Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	2050 MAIN STREET
Owner/Operator City,State,Zip:	IRVINE, CA 92614
Owner/Operator Telephone:	949-955-6221
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Operator
Owner/Operator Name: BRENNA HUMBURG	
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	2050 MAIN STREET
Owner/Operator City,State,Zip:	IRVINE, CA 92614
Owner/Operator Telephone:	805-368-7690
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	20220601
Handler Name: AVA ARTS DISTRICT	
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	No
Electronic Manifest Broker:	No

List of NAICS Codes and Descriptions:

NAICS Code:	236118
NAICS Description:	RESIDENTIAL REMODELERS

Facility Has Received Notices of Violations:

Violations:	No Violations Found

Evaluation Action Summary:

Evaluations:	No Evaluations Found

O88
NE
1/8-1/4
0.132 mi.
695 ft.

1548 INDUSTRIAL ST
LOS ANGELES, CA

Site 3 of 5 in cluster O

Relative:
Higher

Actual:
250 ft.

UST **U004300157**
N/A

LOS ANGELES UST:

Name:	Not reported
Address:	1548 INDUSTRIAL ST
City,State,Zip:	LOS ANGELES, CA
Facility ID:	Not reported
Last Run Date:	01/01/1900
Status:	HISTORICAL

P89
NNE
1/8-1/4
0.134 mi.
705 ft.

1229 WHOLESALE ST
LOS ANGELES, CA

Site 1 of 3 in cluster P

Relative:
Higher

Actual:
252 ft.

UST **U004299327**
N/A

LOS ANGELES UST:

Name:	Not reported
Address:	1229 WHOLESALE ST
City,State,Zip:	LOS ANGELES, CA
Facility ID:	Not reported
Last Run Date:	01/01/1900
Status:	HISTORICAL

Q90
South
1/8-1/4
0.134 mi.
710 ft.

SUN TOME CO
1804 E 8TH ST
LOS ANGELES, CA 90021

Site 1 of 2 in cluster Q

Relative:
Lower

Actual:
243 ft.

SWEEPS UST **S101584259**
CA FID UST **N/A**

SWEEPS UST:

Name:	SUN TOME CO
Address:	1804 E 8TH ST
City:	LOS ANGELES
Status:	Not reported
Comp Number:	7467
Number:	Not reported
Board Of Equalization:	Not reported
Referral Date:	Not reported
Action Date:	Not reported
Created Date:	Not reported
Owner Tank Id:	Not reported
SWRCB Tank Id:	Not reported
Tank Status:	Not reported
Capacity:	Not reported
Active Date:	Not reported
Tank Use:	Not reported
STG:	Not reported
Content:	Not reported
Number Of Tanks:	0

CA FID UST:

Facility ID:	19009985
Regulated By:	UTNKI

SUN TOME CO (Continued) **S101584259**

Regulated ID:	Not reported
Cortese Code:	Not reported
SIC Code:	Not reported
Facility Phone:	2130000000
Mail To:	Not reported
Mailing Address:	1804 E 8TH ST
Mailing Address 2:	Not reported
Mailing City,St,Zip:	LOS ANGELES 900210000
Contact:	Not reported
Contact Phone:	Not reported
DUNs Number:	Not reported
NPDES Number:	Not reported
EPA ID:	Not reported
Comments:	Not reported
Status:	Inactive

Q91 **UST** **U004300626**
South **1804 E 8TH ST** **N/A**
1/8-1/4 **LOS ANGELES, CA**
0.134 mi.
710 ft. **Site 2 of 2 in cluster Q**

Relative: LOS ANGELES UST:
Lower

Actual:
243 ft.

Name:	Not reported
Address:	1804 E 8TH ST
City,State,Zip:	LOS ANGELES, CA
Facility ID:	Not reported
Last Run Date:	01/01/1900
Status:	HISTORICAL

N92 **CHAFFEE WHOLESALE** **SWEEPS UST** **S106924196**
South **800 S ALAMEDA ST** **N/A**
1/8-1/4 **LOS ANGELES, CA 90021**
0.135 mi.
711 ft. **Site 4 of 4 in cluster N**

Relative: SWEEPS UST:
Lower

Actual:
243 ft.

Name:	CHAFFEE WHOLESALE
Address:	800 S ALAMEDA ST
City:	LOS ANGELES
Status:	Not reported
Comp Number:	3795
Number:	Not reported
Board Of Equalization:	Not reported
Referral Date:	Not reported
Action Date:	Not reported
Created Date:	Not reported
Owner Tank Id:	Not reported
SWRCB Tank Id:	Not reported
Tank Status:	Not reported
Capacity:	Not reported
Active Date:	Not reported
Tank Use:	Not reported
STG:	Not reported
Content:	Not reported
Number Of Tanks:	0

P93
North
1/8-1/4
0.136 mi.
719 ft.

608 S ALAMEDA ST
LOS ANGELES, CA

Site 2 of 3 in cluster P

Relative:
Higher

Actual:
252 ft.

LOS ANGELES UST:

Name:	Not reported
Address:	608 S ALAMEDA ST
City,State,Zip:	LOS ANGELES, CA
Facility ID:	Not reported
Last Run Date:	01/01/1900
Status:	HISTORICAL

UST **U004303625**
N/A

P94
NNE
1/8-1/4
0.137 mi.
723 ft.

1248 WHOLESALE ST
LOS ANGELES, CA

Site 3 of 3 in cluster P

Relative:
Higher

Actual:
251 ft.

LOS ANGELES UST:

Name:	Not reported
Address:	1248 WHOLESALE ST
City,State,Zip:	LOS ANGELES, CA
Facility ID:	Not reported
Last Run Date:	01/01/1900
Status:	HISTORICAL

UST **U004299379**
N/A

95
ENE
1/8-1/4
0.144 mi.
761 ft.

719 LAWRENCE ST
LOS ANGELES, CA

Relative:
Higher

Actual:
248 ft.

LOS ANGELES UST:

Name:	Not reported
Address:	719 LAWRENCE ST
City,State,Zip:	LOS ANGELES, CA
Facility ID:	Not reported
Last Run Date:	01/01/1900
Status:	HISTORICAL

UST **U004304173**
N/A

R96
NW
1/8-1/4
0.158 mi.
832 ft.

746 S CENTRAL AVE
LOS ANGELES, CA

Site 1 of 12 in cluster R

Relative:
Higher

Actual:
248 ft.

LOS ANGELES UST:

Name:	Not reported
Address:	746 S CENTRAL AVE
City,State,Zip:	LOS ANGELES, CA
Facility ID:	Not reported
Last Run Date:	01/01/1900
Status:	HISTORICAL

Name:	Not reported

UST **U004341730**
N/A

(Continued) **U004341730**

Address:	746 S CENTRAL AVE
City,State,Zip:	LOS ANGELES, CA
Facility ID:	Not reported
Last Run Date:	01/01/1900
Status:	HISTORICAL

O97 **ALL NU ICE CO INC** **RCRA NonGen / NLR** **1000125207**
NE **1549 INDUSTRIAL ST** **FINDS** **CAD980888572**
1/8-1/4 **LOS ANGELES, CA 90021** **ECHO**
0.160 mi. **HAZNET**
844 ft. **Site 4 of 5 in cluster O** **HWTS**

Relative: **Higher**
Actual: **250 ft.**

RCRA Listings:

Date Form Received by Agency:		19850912
Handler Name:	ALL NU ICE CO INC	
Handler Address:		1549 INDUSTRIAL ST
Handler City,State,Zip:		LOS ANGELES, CA 90021
EPA ID:		CAD980888572
Contact Name:		ENVIRONMENTAL MANAGER
Contact Address:		1549 INDUSTRIAL ST
Contact City,State,Zip:		LOS ANGELES, CA 90021
Contact Telephone:		213-623-8080
Contact Fax:		Not reported
Contact Email:		Not reported
Contact Title:		Not reported
EPA Region:		09
Land Type:		Not reported
Federal Waste Generator Description:		Not a generator, verified
Non-Notifier:		Not reported
Biennial Report Cycle:		Not reported
Accessibility:		Not reported
Active Site Indicator:		Not reported
State District Owner:		CA
State District:		4R
Mailing Address:		INDUSTRIAL ST
Mailing City,State,Zip:		LOS ANGELES, CA 90021
Owner Name:	NOT REQUIRED	
Owner Type:		Private
Operator Name:	NOT REQUIRED	
Operator Type:		Private
Short-Term Generator Activity:		No
Importer Activity:		No
Mixed Waste Generator:		No
Transporter Activity:		No
Transfer Facility Activity:		No
Recycler Activity with Storage:		No
Small Quantity On-Site Burner Exemption:		No
Smelting Melting and Refining Furnace Exemption:		No
Underground Injection Control:		No
Off-Site Waste Receipt:		No
Universal Waste Indicator:		No
Universal Waste Destination Facility:		No
Federal Universal Waste:		No
Active Site Fed-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site Converter Treatment storage and Disposal Facility:		Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site State-Reg Handler:		---
Federal Facility Indicator:		Not reported

ALL NU ICE CO INC (Continued) **1000125207**

Hazardous Secondary Material Indicator:	NN
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required: Not reported	
Handler Date of Last Change:	20000915
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	Not reported
Manifest Broker:	Not reported
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name: NOT REQUIRED	
Legal Status:	Private
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	NOT REQUIRED
Owner/Operator City,State,Zip:	NOT REQUIRED, ME 99999
Owner/Operator Telephone:	415-555-1212
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name: NOT REQUIRED	
Legal Status:	Private
Date Became Current:	Not reported
Date Ended Current:	Not reported

ALL NU ICE CO INC (Continued) **1000125207**

Owner/Operator Address:	NOT REQUIRED
Owner/Operator City,State,Zip:	NOT REQUIRED, ME 99999
Owner/Operator Telephone:	415-555-1212
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	19850912
Handler Name: ALL NU ICE CO INC	
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	CA
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

List of NAICS Codes and Descriptions:

NAICS Codes:	No NAICS Codes Found

Facility Has Received Notices of Violations:

Violations:	No Violations Found

Evaluation Action Summary:

Evaluations:	No Evaluations Found

FINDS:

Registry ID: 110002675114

Click Here for FRS Facility Detail Report:

Environmental Interest/Information System:

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:

Envid:	1000125207
Registry ID:	110002675114
DFR URL:	http://echo.epa.gov/detailed-facility-report?fid=110002675114
Name:	ALL NU ICE CO INC
Address:	1549 INDUSTRIAL ST
City,State,Zip:	LOS ANGELES, CA 90021

ALL NU ICE CO INC (Continued) **1000125207**

HAZNET:

Name:	ALL NU ICE CO INC
Address:	1549 INDUSTRIAL ST
Address 2:	Not reported
City,State,Zip:	LOS ANGELES, CA 900210000
Contact:	--
Telephone:	--
Mailing Name:	Not reported
Mailing Address:	1549 INDUSTRIAL ST
Year:	1994
Gepaid:	CAD980888572
TSD EPA ID:	CAD009522988
CA Waste Code:	221 - Waste oil and mixed oil
Disposal Method:	R01 - Recycler
Tons:	0.95
Year:	1993
Gepaid:	CAD980888572
TSD EPA ID:	CAD009522988
CA Waste Code:	221 - Waste oil and mixed oil
Disposal Method:	R01 - Recycler
Tons:	2.85
Year:	1992
Gepaid:	CAD980888572
TSD EPA ID:	CAD009522988
CA Waste Code:	221 - Waste oil and mixed oil
Disposal Method:	R01 - Recycler
Tons:	3.1275
Year:	1991
Gepaid:	CAD980888572
TSD EPA ID:	CAD009522988
CA Waste Code:	221 - Waste oil and mixed oil
Disposal Method:	R01 - Recycler
Tons:	2.085
Year:	1989
Gepaid:	CAD980888572
TSD EPA ID:	CAD009522988
CA Waste Code:	221 - Waste oil and mixed oil
Disposal Method:	R01 - Recycler
Tons:	2.502
Year:	1988
Gepaid:	CAD980888572
TSD EPA ID:	CAD009522988
CA Waste Code:	221 - Waste oil and mixed oil
Disposal Method:	R01 - Recycler
Tons:	1.0425
Year:	1987
Gepaid:	CAD980888572
TSD EPA ID:	CAD009522988
CA Waste Code:	221 - Waste oil and mixed oil
Disposal Method:	R01 - Recycler

ALL NU ICE CO INC (Continued) **1000125207**

Tons:	2.085
Year:	1986
Gepaid:	CAD980888572
TSD EPA ID:	CAD009522988
CA Waste Code:	221 - Waste oil and mixed oil
Disposal Method:	R01 - Recycler
Tons:	3.1275
Year:	1985
Gepaid:	CAD980888572
TSD EPA ID:	CAD009522988
CA Waste Code:	221 - Waste oil and mixed oil
Disposal Method:	R01 - Recycler
Tons:	1.251

Additional Info:

Year:	1994
Gen EPA ID:	CAD980888572
Shipment Date:	19940204
Creation Date:	9/15/1995 0:00:00
Receipt Date:	19940204
Manifest ID:	93267538
Trans EPA ID:	CAD009522988
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD009522988
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Meth Code:	R01 - Recycler
Quantity Tons:	0.95
Waste Quantity:	250
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	1993
Gen EPA ID:	CAD980888572
Shipment Date:	19931006
Creation Date:	9/13/1995 0:00:00
Receipt Date:	19931006
Manifest ID:	93267321
Trans EPA ID:	CAD009522988
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported

ALL NU ICE CO INC (Continued) **1000125207**

Trans 2 Name:	Not reported
TSDF EPA ID:	CAD009522988
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Meth Code:	R01 - Recycler
Quantity Tons:	0.95
Waste Quantity:	250
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	19930504
Creation Date:	9/8/1995 0:00:00
Receipt Date:	19930504
Manifest ID:	92075834
Trans EPA ID:	CAD009522988
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD009522988
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Meth Code:	R01 - Recycler
Quantity Tons:	0.95
Waste Quantity:	250
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	19930106
Creation Date:	9/5/1995 0:00:00
Receipt Date:	19930106
Manifest ID:	92075623
Trans EPA ID:	CAD009522988
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD009522988
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Meth Code:	R01 - Recycler
Quantity Tons:	0.95

ALL NU ICE CO INC (Continued) **1000125207**

Waste Quantity:	250
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

HWTS:

Name:	ALL NU ICE CO INC
Address:	1549 INDUSTRIAL ST
Address 2:	Not reported
City,State,Zip:	LOS ANGELES, CA 90021
EPA ID:	CAD980888572
Inactive Date:	01/13/1993
Create Date:	04/10/1987
Last Act Date:	Not reported
Mailing Name:	Not reported
Mailing Address:	1549 INDUSTRIAL ST
Mailing Address 2:	Not reported
Mailing City,State,Zip:	LOS ANGELES, CA 900210000
Owner Name:	Not reported
Owner Address:	Not reported
Owner Address 2:	Not reported
Owner City,State,Zip:	Not reported
Contact Name:	Not reported
Contact Address:	UNDELIVERABLE 93 FEE FORM
Contact Address 2:	Not reported
City,State,Zip:	Not reported
Facility Status:	Inactive
Facility Type:	PERMANENT
Category:	FEDERAL
Latitude:	34.036081
Longitude:	-118.237609

S98 **UST** **U004299765**
West **1400 E 8TH ST** **N/A**
1/8-1/4 **LOS ANGELES, CA**
0.161 mi.
850 ft. **Site 1 of 3 in cluster S**

Relative: LOS ANGELES UST:
Lower

Actual: Name:	Not reported
244 ft. Address:	1400 E 8TH ST
City,State,Zip:	LOS ANGELES, CA
Facility ID:	Not reported
Last Run Date:	01/01/1900
Status:	HISTORICAL

T99
SE
1/8-1/4
0.164 mi.
868 ft.

1024 LAWRENCE ST
LOS ANGELES, CA

Site 1 of 6 in cluster T

Relative:
Lower

Actual:
242 ft.

UST **U004298603**
N/A

LOS ANGELES UST:

Name:	Not reported
Address:	1024 LAWRENCE ST
City,State,Zip:	LOS ANGELES, CA
Facility ID:	Not reported
Last Run Date:	01/01/1900
Status:	HISTORICAL

O100
NE
1/8-1/4
0.164 mi.
868 ft.

CUTTER LABORATORY
1630 INDUSTRIAL WAY
COVINA, CA

Site 5 of 5 in cluster O

Relative:
Higher

Actual:
250 ft.

SWEEPS UST **S106925085**
N/A

SWEEPS UST:

Name:	CUTTER LABORATORY
Address:	1630 INDUSTRIAL WAY
City:	COVINA
Status:	Active
Comp Number:	13938
Number:	9
Board Of Equalization:	Not reported
Referral Date:	06-30-89
Action Date:	Not reported
Created Date:	06-30-89
Owner Tank Id:	Not reported
SWRCB Tank Id:	Not reported
Tank Status:	Not reported
Capacity:	Not reported
Active Date:	Not reported
Tank Use:	Not reported
STG:	Not reported
Content:	Not reported
Number Of Tanks:	Not reported

U101
NE
1/8-1/4
0.168 mi.
885 ft.

IRVING S YORK
1570 E INDUSTRIAL ST
LOS ANGELES, CA 90021

Site 1 of 4 in cluster U

Relative:
Higher

Actual:
250 ft.

SWEEPS UST **S101586685**
CA FID UST **N/A**

SWEEPS UST:

Name:	IRVING S YORK
Address:	1570 E INDUSTRIAL ST
City:	LOS ANGELES
Status:	Not reported
Comp Number:	4577
Number:	Not reported
Board Of Equalization:	Not reported
Referral Date:	Not reported
Action Date:	Not reported
Created Date:	Not reported

IRVING S YORK (Continued) **S101586685**

Owner Tank Id:	Not reported
SWRCB Tank Id:	Not reported
Tank Status:	Not reported
Capacity:	Not reported
Active Date:	Not reported
Tank Use:	Not reported
STG:	Not reported
Content:	Not reported
Number Of Tanks:	Not reported

CA FID UST:

Facility ID:	19054355
Regulated By:	UTNKI
Regulated ID:	Not reported
Cortese Code:	Not reported
SIC Code:	Not reported
Facility Phone:	2130000000
Mail To:	Not reported
Mailing Address:	1570 E INDUSTRIAL ST
Mailing Address 2:	Not reported
Mailing City,St,Zip:	LOS ANGELES 900210000
Contact:	Not reported
Contact Phone:	Not reported
DUNs Number:	Not reported
NPDES Number:	Not reported
EPA ID:	Not reported
Comments:	Not reported
Status:	Inactive

U102 **UST** **U004300203**
NE **1570 E INDUSTRIAL ST** **N/A**
1/8-1/4 **LOS ANGELES, CA**
0.168 mi.
885 ft. **Site 2 of 4 in cluster U**

Relative: **Higher**
Actual: **250 ft.**

LOS ANGELES UST:

Name:	Not reported
Address:	1570 E INDUSTRIAL ST
City,State,Zip:	LOS ANGELES, CA
Facility ID:	Not reported
Last Run Date:	01/01/1900
Status:	HISTORICAL

V103 **CHEMICAL TRANSFER COMPANY** **RCRA NonGen / NLR** **1026465922**
SSE **2000 E. 8TH STREET** **CAC003071181**
1/8-1/4 **LOS ANGELES, CA 90021**
0.169 mi.
890 ft. **Site 1 of 8 in cluster V**

Relative: **Lower**
Actual: **241 ft.**

RCRA Listings:

Date Form Received by Agency:	20200617
Handler Name:	CHEMICAL TRANSFER COMPANY
Handler Address:	2000 E. 8TH STREET
Handler City,State,Zip:	LOS ANGELES, CA 90021
EPA ID:	CAC003071181
Contact Name:	OSCAR RODRIGUEZ

CHEMICAL TRANSFER COMPANY (Continued) **1026465922**

Contact Address:		11910 GREENSTONE AVENUE
Contact City,State,Zip:		SANTA FE SPRINGS, CA 90670
Contact Telephone:		562-903-5554
Contact Fax:		Not reported
Contact Email:		FASTEDDIE85000@AOL.COM
Contact Title:		Not reported
EPA Region:		09
Land Type:		Not reported
Federal Waste Generator Description:		Not a generator, verified
Non-Notifier:		Not reported
Biennial Report Cycle:		Not reported
Accessibility:		Not reported
Active Site Indicator:		Not reported
State District Owner:		Not reported
State District:		Not reported
Mailing Address:		11910 GREENSTONE AVENUE
Mailing City,State,Zip:		SANTA FE SPRINGS, CA 90670
Owner Name:	OSCAR RODRIGUEZ	
Owner Type:		Other
Operator Name:	OSCAR RODRIGUEZ	
Operator Type:		Other
Short-Term Generator Activity:		No
Importer Activity:		No
Mixed Waste Generator:		No
Transporter Activity:		No
Transfer Facility Activity:		No
Recycler Activity with Storage:		No
Small Quantity On-Site Burner Exemption:		No
Smelting Melting and Refining Furnace Exemption:		No
Underground Injection Control:		No
Off-Site Waste Receipt:		No
Universal Waste Indicator:		No
Universal Waste Destination Facility:		No
Federal Universal Waste:		No
Active Site Fed-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site Converter Treatment storage and Disposal Facility:		Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site State-Reg Handler:		---
Federal Facility Indicator:		Not reported
Hazardous Secondary Material Indicator:		N
Sub-Part K Indicator:		Not reported
Commercial TSD Indicator:		No
Treatment Storage and Disposal Type:		Not reported
2018 GPRA Permit Baseline:		Not on the Baseline
2018 GPRA Renewals Baseline:		Not on the Baseline
Permit Renewals Workload Universe:		Not reported
Permit Workload Universe:		Not reported
Permit Progress Universe:		Not reported
Post-Closure Workload Universe:		Not reported
Closure Workload Universe:		Not reported
202 GPRA Corrective Action Baseline:		No
Corrective Action Workload Universe:		No
Subject to Corrective Action Universe:		No
Non-TSDFs Where RCRA CA has Been Imposed Universe:		No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:		No
TSDFs Only Subject to CA under Discretionary Auth Universe:		No
Corrective Action Priority Ranking:		No NCAPS ranking

CHEMICAL TRANSFER COMPANY (Continued) **1026465922**

Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required: Not reported	
Handler Date of Last Change:	20200710
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name: OSCAR RODRIGUEZ	
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	11910 GREENSTONE AVENUE
Owner/Operator City,State,Zip:	SANTA FE SPRINGS, CA 90670
Owner/Operator Telephone:	323-697-2179
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name: OSCAR RODRIGUEZ	
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	11910 GREENSTONE AVENUE
Owner/Operator City,State,Zip:	SANTA FE SPRINGS, CA 90670
Owner/Operator Telephone:	562-903-5554
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	20200617
Handler Name: CHEMICAL TRANSFER COMPANY	
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No

CHEMICAL TRANSFER COMPANY (Continued) **1026465922**

Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Code: 56299
NAICS Description: ALL OTHER WASTE MANAGEMENT SERVICES

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

V104 **LOS ANGELES TIMES COMMUNICATIONS LLC** **RCRA-SQG** **1000686438**
SSE **2000 E 8TH ST** **ICIS** **CAD983637471**
1/8-1/4 **LOS ANGELES, CA 90021** **US AIRS**
0.169 mi.
890 ft. **Site 2 of 8 in cluster V**

Relative: **Lower**
Actual: **241 ft.**

RCRA Listings:
Date Form Received by Agency: 20000815
Handler Name: LOS ANGELES TIMES COMMUNICATIONS L L C
Handler Address: 2000 E 8TH ST
Handler City,State,Zip: LOS ANGELES, CA 90021
EPA ID: CAD983637471
Contact Name: MARY ELLEN VOJTEK
Contact Address: 202 W 1ST ST 1ST FL
Contact City,State,Zip: LOS ANGELES, CA 90012
Contact Telephone: 213-237-5014
Contact Fax: Not reported
Contact Email: Not reported
Contact Title: Not reported
EPA Region: 09
Land Type: Private
Federal Waste Generator Description: Small Quantity Generator
Non-Notifier: Not reported
Biennial Report Cycle: Not reported
Accessibility: Not reported
Active Site Indicator: Handler Activities
State District Owner: Not reported
State District: Not reported
Mailing Address: 2000 E 8TH ST
Mailing City,State,Zip: LOS ANGELES, CA 90021
Owner Name: L A TIMES COMMUNICATIONS L L C
Owner Type: Private
Operator Name: Not reported
Operator Type: Not reported
Short-Term Generator Activity: No
Importer Activity: No
Mixed Waste Generator: No
Transporter Activity: No
Transfer Facility Activity: No
Recycler Activity with Storage: No
Small Quantity On-Site Burner Exemption: No

LOS ANGELES TIMES COMMUNICATIONS LLC (Continued) **1000686438**

Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required: Not reported	
Handler Date of Last Change:	20060905
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Hazardous Waste Summary:

Waste Code:	D001
Waste Description:	IGNITABLE WASTE
Waste Code:	D002
Waste Description:	CORROSIVE WASTE

LOS ANGELES TIMES COMMUNICATIONS LLC (Continued) **1000686438**

Waste Code: D009
Waste Description: MERCURY

Waste Code: D011
Waste Description: SILVER

Waste Code: D039
Waste Description: TETRACHLOROETHYLENE

Handler - Owner Operator:
Owner/Operator Indicator: Owner
Owner/Operator Name: L A TIMES COMMUNICATIONS L L C
Legal Status: Private
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: 202 W 1ST ST
Owner/Operator City,State,Zip: LOS ANGELES, CA 90012
Owner/Operator Telephone: 213-237-5014
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner
Owner/Operator Name: L A TIMES COMMUNICATIONS L L C
Legal Status: Private
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: 202 W 1ST ST
Owner/Operator City,State,Zip: LOS ANGELES, CA 90012
Owner/Operator Telephone: 213-237-5014
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:
Receive Date: 20000815
Handler Name: LOS ANGELES TIMES COMMUNICATIONS L L C
Federal Waste Generator Description: Small Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20000815
Handler Name: LOS ANGELES TIMES COMMUNICATIONS L L C
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No

LOS ANGELES TIMES COMMUNICATIONS LLC (Continued) **1000686438**

Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Codes: No NAICS Codes Found

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

ICIS:
Enforcement Action ID: CASCAA000006037CE67900087
FRS ID: 110002877049
Action Name: LOS ANGELES TIMES COMMUNICATIONS LLC 06037CE67900087
Facility Name: LOS ANGELES TIMES COMMUNICATIONS LLC
Facility Address: 2000 E 8TH ST
LOS ANGELES, CA 90021
Enforcement Action Type: Administrative Order
Facility County: LOS ANGELES
Program System Acronym: AIR
Enforcement Action Forum Desc: Administrative - Formal
EA Type Code: SCAAAO
Facility SIC Code: 2711
Federal Facility ID: Not reported
Latitude in Decimal Degrees: 34.029752
Longitude in Decimal Degrees: -118.238545
Permit Type Desc: Not reported
Program System Acronym: CASCA00006037CE679
Facility NAICS Code: 326150
Tribal Land Code: Not reported

Enforcement Action ID: CASCAA000006037CE67900086
FRS ID: 110002877049
Action Name: LOS ANGELES TIMES COMMUNICATIONS LLC 06037CE67900086
Facility Name: LOS ANGELES TIMES COMMUNICATIONS LLC
Facility Address: 2000 E 8TH ST
LOS ANGELES, CA 90021
Enforcement Action Type: Notice of Violation
Facility County: LOS ANGELES
Program System Acronym: AIR
Enforcement Action Forum Desc: Administrative - Informal
EA Type Code: NOV
Facility SIC Code: 2711
Federal Facility ID: Not reported
Latitude in Decimal Degrees: 34.029752
Longitude in Decimal Degrees: -118.238545
Permit Type Desc: Not reported
Program System Acronym: CASCA00006037CE679
Facility NAICS Code: 326150
Tribal Land Code: Not reported

LOS ANGELES TIMES COMMUNICATIONS LLC (Continued) **1000686438**

Enforcement Action ID:	CASCAA000006037CE67900009
FRS ID:	110002877049
Action Name:	LOS ANGELES TIMES COMMUNICATIONS LLC 06037CE67900009
Facility Name:	LOS ANGELES TIMES COMMUNICATIONS LLC
Facility Address:	2000 E 8TH ST LOS ANGELES, CA 90021
Enforcement Action Type:	Administrative Order
Facility County:	LOS ANGELES
Program System Acronym:	AIR
Enforcement Action Forum Desc:	Administrative - Formal
EA Type Code:	SCAAAO
Facility SIC Code:	2711
Federal Facility ID:	Not reported
Latitude in Decimal Degrees:	34.029752
Longitude in Decimal Degrees:	-118.238545
Permit Type Desc:	Not reported
Program System Acronym:	CASCA00006037CE679
Facility NAICS Code:	326150
Tribal Land Code:	Not reported

Enforcement Action ID:	CASCAA000006037CE67900008
FRS ID:	110002877049
Action Name:	LOS ANGELES TIMES COMMUNICATIONS LLC 06037CE67900008
Facility Name:	LOS ANGELES TIMES COMMUNICATIONS LLC
Facility Address:	2000 E 8TH ST LOS ANGELES, CA 90021
Enforcement Action Type:	Notice of Violation
Facility County:	LOS ANGELES
Program System Acronym:	AIR
Enforcement Action Forum Desc:	Administrative - Informal
EA Type Code:	NOV
Facility SIC Code:	2711
Federal Facility ID:	Not reported
Latitude in Decimal Degrees:	34.029752
Longitude in Decimal Degrees:	-118.238545
Permit Type Desc:	Not reported
Program System Acronym:	CASCA00006037CE679
Facility NAICS Code:	326150
Tribal Land Code:	Not reported

US AIRS (AFS):

Region Code:	09
County Code:	CA037
Programmatic ID:	AIR CASCA00006037CE679
Facility Registry ID:	110002877049
D and B Number:	Not reported
Facility Site Name:	LOS ANGELES TIMES COMMUNICATIONS LLC
Primary SIC Code:	2711
NAICS Code:	326150
Default Air Classification Code:	MAJ
Facility Type of Ownership Code:	POF
Air CMS Category Code:	TVM
HPV Status:	Not reported

US AIRS (AFS):

Region Code:	09

LOS ANGELES TIMES COMMUNICATIONS LLC (Continued) **1000686438**

Programmatic ID: AIR CASCA00006037CE679
Facility Registry ID: 110002877049
Air Operating Status Code: OPR
Default Air Classification Code: MAJ

Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2016-08-30 00:00:00
Activity Status Date: 2016-09-09 11:07:56
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Active

Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2016-08-30 00:00:00
Activity Status Date: 2016-09-09 11:08:43
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Active

Air Program: Title V Permits
Activity Date: 2016-08-30 00:00:00
Activity Status Date: 2016-09-09 11:07:56
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Active

Air Program: Title V Permits
Activity Date: 2016-08-30 00:00:00
Activity Status Date: 2016-09-09 11:08:43
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Active

Air Program: Title V Permits
Activity Date: 2016-02-29 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2015-08-21 00:00:00
Activity Status Date: 2015-09-30 18:22:35
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Active

Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2015-08-21 00:00:00
Activity Status Date: 2015-09-30 18:24:32
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Active

Air Program: Title V Permits
Activity Date: 2015-08-21 00:00:00
Activity Status Date: 2015-09-30 18:22:35

LOS ANGELES TIMES COMMUNICATIONS LLC (Continued) **1000686438**

Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Active

Air Program: Title V Permits
Activity Date: 2015-08-21 00:00:00
Activity Status Date: 2015-09-30 18:24:32
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Active

Air Program: Title V Permits
Activity Date: 2015-02-20 00:00:00
Activity Status Date: 2015-09-30 18:23:46
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Active

Air Program: Title V Permits
Activity Date: 2014-05-02 00:00:00
Activity Status Date: 2014-05-02 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Formal
Activity Status: Final Order Issued

Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2014-05-02 00:00:00
Activity Status Date: 2014-05-02 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Formal
Activity Status: Final Order Issued

Air Program: Title V Permits
Activity Date: 2014-04-10 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2014-04-10 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Air Program: Title V Permits
Activity Date: 2014-04-09 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2014-04-09 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring

LOS ANGELES TIMES COMMUNICATIONS LLC (Continued) **1000686438**

Activity Type: Inspection/Evaluation
Activity Status: Not reported

Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2014-02-28 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Air Program: Title V Permits
Activity Date: 2014-02-28 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2013-09-03 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Air Program: Title V Permits
Activity Date: 2013-09-03 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2013-07-01 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Air Program: Title V Permits
Activity Date: 2013-07-01 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Air Program: Title V Permits
Activity Date: 2013-06-27 00:00:00
Activity Status Date: 2013-06-27 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Informal
Activity Status: Achieved

Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2013-06-27 00:00:00
Activity Status Date: 2013-06-27 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Informal

LOS ANGELES TIMES COMMUNICATIONS LLC (Continued) **1000686438**

Activity Status: Achieved

Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2013-05-29 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Air Program: Title V Permits
Activity Date: 2013-05-29 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2012-03-28 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Air Program: Title V Permits
Activity Date: 2012-03-28 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2012-03-27 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Air Program: Title V Permits
Activity Date: 2012-03-27 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Air Program: Title V Permits
Activity Date: 2012-03-14 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2012-03-14 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

LOS ANGELES TIMES COMMUNICATIONS LLC (Continued) **1000686438**

Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2012-02-27 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Air Program: Title V Permits
Activity Date: 2012-02-27 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Air Program: Title V Permits
Activity Date: 2011-03-22 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2011-03-22 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Air Program: Title V Permits
Activity Date: 2011-03-21 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2011-03-21 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2011-02-10 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Air Program: Title V Permits
Activity Date: 2011-02-10 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Air Program: Title V Permits

LOS ANGELES TIMES COMMUNICATIONS LLC (Continued) **1000686438**

Activity Date: 2010-03-31 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2010-03-31 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Air Program: Title V Permits
Activity Date: 2010-03-30 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2010-03-30 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Air Program: Title V Permits
Activity Date: 2010-03-19 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2010-03-19 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Air Program: Title V Permits
Activity Date: 2010-03-18 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2010-03-18 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2010-02-26 00:00:00

LOS ANGELES TIMES COMMUNICATIONS LLC (Continued) **1000686438**

Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Air Program: Title V Permits
Activity Date: 2010-02-26 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2009-06-23 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Air Program: Title V Permits
Activity Date: 2009-06-23 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Air Program: Title V Permits
Activity Date: 2009-05-13 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2009-05-13 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2009-05-12 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Air Program: Title V Permits
Activity Date: 2009-05-12 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2009-05-05 00:00:00
Activity Status Date: Not reported

LOS ANGELES TIMES COMMUNICATIONS LLC (Continued) **1000686438**

Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Air Program: Title V Permits
Activity Date: 2009-05-05 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2009-02-18 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Air Program: Title V Permits
Activity Date: 2009-02-18 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Air Program: Title V Permits
Activity Date: 2008-07-18 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2008-07-18 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2008-06-26 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Air Program: Title V Permits
Activity Date: 2008-06-26 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2008-02-14 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring

LOS ANGELES TIMES COMMUNICATIONS LLC (Continued) **1000686438**

Activity Type: Inspection/Evaluation
Activity Status: Not reported

Air Program: Title V Permits
Activity Date: 2008-02-14 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Air Program: Title V Permits
Activity Date: 2007-06-26 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2007-06-26 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Air Program: Title V Permits
Activity Date: 2007-02-19 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2007-02-19 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2007-02-01 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Air Program: Title V Permits
Activity Date: 2007-02-01 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2006-08-31 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation

LOS ANGELES TIMES COMMUNICATIONS LLC (Continued) **1000686438**

Activity Status: Not reported

Air Program: Title V Permits
Activity Date: 2006-08-31 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2006-06-05 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Air Program: Title V Permits
Activity Date: 2006-06-05 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2006-02-20 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Air Program: Title V Permits
Activity Date: 2006-02-20 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Air Program: Title V Permits
Activity Date: 2005-09-06 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2005-09-06 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Air Program: Title V Permits
Activity Date: 2005-09-05 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

LOS ANGELES TIMES COMMUNICATIONS LLC (Continued) **1000686438**

Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2005-09-05 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2005-05-20 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Air Program: Title V Permits
Activity Date: 2005-05-20 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Air Program: Title V Permits
Activity Date: 2005-03-01 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2004-07-20 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Air Program: Title V Permits
Activity Date: 2004-07-20 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2004-07-02 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Air Program: Title V Permits
Activity Date: 2004-07-02 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards

LOS ANGELES TIMES COMMUNICATIONS LLC (Continued) **1000686438**

Activity Date: 2004-05-04 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Air Program: Title V Permits
Activity Date: 2004-05-04 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Air Program: Title V Permits
Activity Date: 2004-03-01 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Air Program: Title V Permits
Activity Date: 2004-02-25 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2004-02-25 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Air Program: Title V Permits
Activity Date: 2003-09-02 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Air Program: Title V Permits
Activity Date: 2003-03-01 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Air Program: Title V Permits
Activity Date: 2003-02-27 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Air Program: Title V Permits
Activity Date: 2002-08-23 00:00:00

LOS ANGELES TIMES COMMUNICATIONS LLC (Continued) **1000686438**

Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2002-08-23 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2002-03-05 00:00:00
Activity Status Date: 2002-03-05 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Formal
Activity Status: Final Order Issued

Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2001-09-13 00:00:00
Activity Status Date: 2001-09-13 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Informal
Activity Status: Achieved

Air Program: Title V Permits
Activity Date: 2001-01-09 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Air Program: Title V Permits
Activity Date: 2000-09-09 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1999-08-18 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Air Program: Title V Permits
Activity Date: 1999-08-18 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Air Program: Title V Permits
Activity Date: 1998-03-03 00:00:00
Activity Status Date: Not reported

LOS ANGELES TIMES COMMUNICATIONS LLC (Continued) **1000686438**

Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not reported
Air Program:	State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date:	1998-03-03 00:00:00
Activity Status Date:	Not reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not reported

V105 **PROFESSIONAL COURIER INC DBA BRANDT BROS** **RCRA NonGen / NLR** **1024824438**
SSE **2000 E 8TH ST** **CAL000347708**
1/8-1/4 **LOS ANGELES, CA 90021**
0.169 mi.
890 ft. **Site 3 of 8 in cluster V**

Relative: **Lower**
Actual: **241 ft.**

RCRA Listings:

Date Form Received by Agency:	20091102
Handler Name:	PROFESSIONAL COURIER INC DBA BRANDT BROS
Handler Address:	2000 E 8TH ST
Handler City,State,Zip:	LOS ANGELES, CA 90021
EPA ID:	CAL000347708
Contact Name:	TOM MORAN
Contact Address:	472 S TEILMAN AVE
Contact City,State,Zip:	FRESNO, CA 93706
Contact Telephone:	559-496-3370
Contact Fax:	559-497-5429
Contact Email:	PROFESSIONALCOURIER@HOTMAIL.COM
Contact Title:	Not reported
EPA Region:	09
Land Type:	Not reported
Federal Waste Generator Description:	Not a generator, verified
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Handler Activities
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	PO BOX 5676
Mailing City,State,Zip:	FRESNO, CA 93755-0000
Owner Name:	PROFESSIONAL COURIER INC
Owner Type:	Other
Operator Name:	TOM MORAN
Operator Type:	Other
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	Yes
Universal Waste Destination Facility:	Yes

PROFESSIONAL COURIER INC DBA BRANDT BROS (Continued) **1024824438**

Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required: Not reported	
Handler Date of Last Change:	20181120
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name: PROFESSIONAL COURIER INC	
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	472 S TEILMAN AVE
Owner/Operator City,State,Zip:	FRESNO, CA 93706-0000
Owner/Operator Telephone:	559-496-3370
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

PROFESSIONAL COURIER INC DBA BRANDT BROS (Continued) **1024824438**

Owner/Operator Indicator:	Operator
Owner/Operator Name: TOM MORAN	
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	472 S TEILMAN AVE
Owner/Operator City,State,Zip:	FRESNO, CA 93706
Owner/Operator Telephone:	559-496-3370
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	20091102
Handler Name:	PROFESSIONAL COURIER INC DBA BRANDT BROS
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	Not reported
Recognized Trader Exporter:	Not reported
Spent Lead Acid Battery Importer:	Not reported
Spent Lead Acid Battery Exporter:	Not reported
Current Record:	Yes
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

List of NAICS Codes and Descriptions:

NAICS Code:	811111
NAICS Description:	GENERAL AUTOMOTIVE REPAIR

Facility Has Received Notices of Violations:

Violations:	No Violations Found

Evaluation Action Summary:

Evaluations:	No Evaluations Found

V106
SSE
1/8-1/4
0.169 mi.
890 ft.

Site 4 of 8 in cluster V

Relative:
Lower

Actual:
241 ft.

TIMES MIRROR CO, LOS ANGELES T
2000 E 8TH ST
LOS ANGELES, CA 90026

CERS HAZ WASTE **S103639737**
CERS TANKS **N/A**
EMI
HAZNET
HAZMAT
CERS
HWTS

CERS HAZ WASTE:

Name:	LOS ANGELES TIMES - OLYMPIC
Address:	2000 E 8TH ST
City,State,Zip:	LOS ANGELES, CA 90021
Site ID:	573178
CERS ID:	10247251
CERS Description:	Hazardous Waste Generator

Name:	LOS ANGELES TIMES - OLYMPIC
Address:	2000 E 8TH ST
City,State,Zip:	LOS ANGELES, CA 90021

TIMES MIRROR CO, LOS ANGELES T (Continued) **S103639737**

Site ID: 573178
CERS ID: 10247251
CERS Description: Hazardous Waste Onsite Treatment

CERS TANKS:
Name: LOS ANGELES TIMES - OLYMPIC
Address: 2000 E 8TH ST
City,State,Zip: LOS ANGELES, CA 90021
Site ID: 573178
CERS ID: 10247251
CERS Description: Underground Storage Tank

Name: LOS ANGELES TIMES - OLYMPIC
Address: 2000 E 8TH ST
City,State,Zip: LOS ANGELES, CA 90021
Site ID: 573178
CERS ID: 10247251
CERS Description: Aboveground Petroleum Storage

EMI:
Name: TIMES MIRROR CO, LOS ANGELES T
Address: 2000 E 8TH ST
City,State,Zip: LOS ANGELES, CA 900260000
Year: 1990
County Code: 19
Air Basin: SC
Facility ID: 61701
Air District Name: SC
SIC Code: 2711
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 56
Reactive Organic Gases Tons/Yr: 55
Carbon Monoxide Emissions Tons/Yr: 1
NOX - Oxides of Nitrogen Tons/Yr: 3
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smllr Tons/Yr: 0

Name: TIMES MIRROR CO, LOS ANGELES T
Address: 2000 E 8TH ST
City,State,Zip: LOS ANGELES, CA 900260000
Year: 1995
County Code: 19
Air Basin: SC
Facility ID: 61701
Air District Name: SC
SIC Code: 2711
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 32
Reactive Organic Gases Tons/Yr: 27
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 1

TIMES MIRROR CO, LOS ANGELES T (Continued) **S103639737**

SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smllr Tons/Yr: 0

Name: TIMES MIRROR CO, LOS ANGELES T
Address: 2000 E 8TH ST
City,State,Zip: LOS ANGELES, CA 900260000
Year: 1996
County Code: 19
Air Basin: SC
Facility ID: 61701
Air District Name: SC
SIC Code: 2711
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 19
Reactive Organic Gases Tons/Yr: 16
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 1
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smllr Tons/Yr: 0

Name: TIMES MIRROR CO, LOS ANGELES T
Address: 2000 E 8TH ST
City,State,Zip: LOS ANGELES, CA 900260000
Year: 1997
County Code: 19
Air Basin: SC
Facility ID: 61701
Air District Name: SC
SIC Code: 2711
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 19
Reactive Organic Gases Tons/Yr: 18
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 1
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smllr Tons/Yr: 0

Name: TIMES MIRROR CO, LOS ANGELES T
Address: 2000 E 8TH ST
City,State,Zip: LOS ANGELES, CA 900260000
Year: 1998
County Code: 19
Air Basin: SC
Facility ID: 61701
Air District Name: SC
SIC Code: 2711
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 19

TIMES MIRROR CO, LOS ANGELES T (Continued) **S103639737**

Reactive Organic Gases Tons/Yr:	17
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	1
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Name:	TIMES MIRROR CO, LOS ANGELES T
Address:	2000 E 8TH ST
City,State,Zip:	LOS ANGELES, CA 900260000
Year:	1999
County Code:	19
Air Basin:	SC
Facility ID:	61701
Air District Name:	SC
SIC Code:	2711
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	19
Reactive Organic Gases Tons/Yr:	18
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	1
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Name:	TIMES MIRROR CO, LOS ANGELES T
Address:	2000 E 8TH ST
City,State,Zip:	LOS ANGELES, CA 900260000
Year:	2000
County Code:	19
Air Basin:	SC
Facility ID:	61701
Air District Name:	SC
SIC Code:	2711
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	19
Reactive Organic Gases Tons/Yr:	18
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	1
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

HAZNET:

Name:	CHEMICAL TRANSFER COMPANY
Address:	2000 E. 8TH STREET
Address 2:	Not reported
City,State,Zip:	LOS ANGELES, CA 90021
Contact:	OSCAR RODRIGUEZ
Telephone:	5629035554
Mailing Name:	Not reported
Mailing Address:	11910 GREENSTONE AVENUE

TIMES MIRROR CO, LOS ANGELES T (Continued) **S103639737**

Year:	2020
Gepaid:	CAC003071181
TSD EPA ID:	CAD028409019
CA Waste Code:	223 - Unspecified oil-containing waste
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.225

Year:	2020
Gepaid:	CAC003071181
TSD EPA ID:	CAD028409019
CA Waste Code:	223 - Unspecified oil-containing waste
Disposal Method:	H135 - Discharge To Sewer/Potw Or Npdes(With Prior Storage--With Or Without Treatment)
Tons:	0.119

Additional Info:

Year:	2020
Gen EPA ID:	CAC003071181
Shipment Date:	6/17/2020
Creation Date:	7/20/2020
Receipt Date:	6/22/2020
Manifest ID:	019138291JJK
Trans EPA ID:	CAD983608258
Trans Name:	OCEAN BLUE ENVIRONMENTAL SVC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD028409019
Trans Name:	CROSBY & OVERTON
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	223,343 - Not reported
RCRA Code:	Not reported
Meth Code:	H135 - Discharge To Sewer/Potw Or Npdes(With Prior Storage--With Or Without Treatment)
Quantity Tons:	0.119
Waste Quantity:	35
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	6/17/2020
Creation Date:	7/20/2020
Receipt Date:	6/22/2020
Manifest ID:	019138291JJK
Trans EPA ID:	CAD983608258
Trans Name:	OCEAN BLUE ENVIRONMENTAL SVC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD028409019
Trans Name:	CROSBY & OVERTON
TSDF Alt EPA ID:	Not reported

TIMES MIRROR CO, LOS ANGELES T (Continued) **S103639737**

TSDF Alt Name: Not reported
Waste Code Description: 223,352 - Not reported
RCRA Code: Not reported
Meth Code: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons: 0.225
Waste Quantity: 450
Quantity Unit: P
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

LOS ANGELES HM:
Name: LOS ANGELES TIMES - OLYMPIC
Address: 2000 E 8TH ST
City,State,Zip: LOS ANGELES, CA 90021
Facility ID: FA0019548
Last Run Date: 11/01/2022
Status: ACTIVE

CERS:
Name: LOS ANGELES TIMES - OLYMPIC
Address: 2000 E 8TH ST
City,State,Zip: LOS ANGELES, CA 90021
Site ID: 573178
CERS ID: 10247251
CERS Description: Chemical Storage Facilities

Violations:
Site ID: 573178
Site Name: LOS ANGELES TIMES - OLYMPIC
Violation Date: 01-23-2019
Citation: HSC 6.7 25293 - California Health and Safety Code, Chapter 6.7, Section(s) 25293
Violation Description: Failure to maintain UST records in sufficient detail to enable the UPA to determine whether the UST systems are in compliance.
Violation Notes: Returned to compliance on 05/23/2019. OBSERVATION: Records of the visual inspection records for aboveground piping were not found onsite. CORRECTIVE ACTION: Maintain onsite and submit copies to the CUPA by 1/14/2019. **********SECOND NOTICE**********
Violation Division: Los Angeles City Fire Department
Violation Program: UST
Violation Source: CERS,

Site ID: 573178
Site Name: LOS ANGELES TIMES - OLYMPIC
Violation Date: 12-20-2016
Citation: HSC 6.7 25284.2 - California Health and Safety Code, Chapter 6.7, Section(s) 25284.2
Violation Description: Failure to test the spill bucket annually.
Violation Notes: Returned to compliance on 01/04/2017.
Violation Division: Los Angeles City Fire Department
Violation Program: UST
Violation Source: CERS,

TIMES MIRROR CO, LOS ANGELES T (Continued) **S103639737**

Site ID:	573178
Site Name:	LOS ANGELES TIMES - OLYMPIC
Violation Date:	03-22-2017
Citation:	HSC 6.5 25143.9 - California Health and Safety Code, Chapter 6.5, Section(s) 25143.9
Violation Description:	Failure to manage a recyclable material pursuant to HSC 6.5 25143.2(b), (c), or (d).
Violation Notes:	Returned to compliance on 09/08/2017. OBSERVATION: Generator failed to meet one of the following requirements of excluded recyclable materials: 1) Used or reused as an ingredient in an industrial process to make a product if the material is not being reclaimed, 2) Used or reused as a safe and effective substitute for commercial products if the material is not being reclaimed, 3) Returned to the original process from which the material was generated, without first being reclaimed, if the material is returned as a substitute for raw material feedstock, and the process uses raw materials as principal feedstocks, 4) The material is recycled and used at the same facility at which the material was generated, or by the same corporate entity, 5) The material is recycled within the applicable generator accumulation time, 6) The material is managed in accordance with all applicable requirements for generators of hazardous wastes, 7) If the material is held in a container or tank, the container or tank is labeled, [Truncated]
Violation Division:	Los Angeles County Fire Department
Violation Program:	HWRecycler
Violation Source:	CERS,

Site ID:	573178
Site Name:	LOS ANGELES TIMES - OLYMPIC
Violation Date:	12-11-2019
Citation:	HSC 6.7 25284, 25286 - California Health and Safety Code, Chapter 6.7, Section(s) 25284, 25286
Violation Description:	Failure to submit a complete and accurate application for a permit to operate a UST, or for renewal of the permit.
Violation Notes:	Returned to compliance on 05/15/2020. OBSERVATION: UST tank information is not current in CERS. In Product/waste piping construction under PRIMARY CONTAINMENT for both tanks it states "OTHER BLACK IRON". CORRECTIVE ACTION: In Product/waste piping construction under PRIMARY CONTAINMENT for both tanks it should state "FIBERGLASS". OBSERVATION: UST tank information is not current in CERS. In Product/waste piping construction under PIPING/TURBINE CONTAINMENT SUMP for T2 it states "NONE". CORRECTIVE ACTION: In Product/waste piping construction under PIPING/TURBINE CONTAINMENT SUMP for T2 it should state "SINGLE-WALLED . OBSERVATION: UST tank information is not current in CERS. In Vent, Vapor Recovery (VR) and Riser / Fill Pipe Piping Construction under RISER PRIMARY CONTAINMENT for T2 it states "NONE". CORRECTIVE ACTION: In Vent, Vapor Recovery (VR) and Riser / Fill Pipe Piping Construction under RISER PRIMARY CONTAINMENT for T2 tanks it should state "STEEL . OBSERVATION: UST tank information is not in [Truncated]
Violation Division:	Los Angeles City Fire Department
Violation Program:	UST
Violation Source:	CERS,

Site ID:	573178
Site Name:	LOS ANGELES TIMES - OLYMPIC
Violation Date:	01-23-2019

TIMES MIRROR CO, LOS ANGELES T (Continued) **S103639737**

Citation:	23 CCR 16 2641(h) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2641(h)
Violation Description:	Failure to have an approved UST Monitoring Plan.
Violation Notes:	Returned to compliance on 05/23/2019. OBSERVATION: Owner/Operator did not maintain a current monitoring plan. CORRECTIVE ACTION: Make corrections specified during our conversation during the monitor certification. Facility shall notify this inspector directly by email when all required corrections have been completed per Title 23, 2712 (f). **********SECOND NOTICE**********
Violation Division:	Los Angeles City Fire Department
Violation Program:	UST
Violation Source:	CERS,
Site ID:	573178
Site Name:	LOS ANGELES TIMES - OLYMPIC
Violation Date:	12-11-2019
Citation:	23 CCR 16 2712(i) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2712(i)
Violation Description:	Failure to submit a current UST Response Plan available on site.
Violation Notes:	Returned to compliance on 05/15/2020. OBSERVATION: Facility did not have a current Response Plan submitted onto CERS. CORRECTIVE ACTION: Maintain an approved Response Plan, see email attachment for proper Response plan. Fill it out and upload onto CERS ID 10247251.
Violation Division:	Los Angeles City Fire Department
Violation Program:	UST
Violation Source:	CERS,
Site ID:	573178
Site Name:	LOS ANGELES TIMES - OLYMPIC
Violation Date:	12-11-2019
Citation:	HSC 6.75 25299.30-25299.34 - California Health and Safety Code, Chapter 6.75, Section(s) 25299.30-25299.34
Violation Description:	Failure to submit and maintain complete and current Certification of Financial Responsibility or other mechanism of financial assurance.
Violation Notes:	Returned to compliance on 05/15/2020. OBSERVATION: Financial responsibility documents were expired. Expired on 8/4/2018. Current financial responsibility documents are required to be submitted annually. Also the State certificate of financial responsibility form. CORRECTIVE ACTION: Complete and submit a copy of the financial responsibility and the State form by 1/10/2020.
Violation Division:	Los Angeles City Fire Department
Violation Program:	UST
Violation Source:	CERS,
Site ID:	573178
Site Name:	LOS ANGELES TIMES - OLYMPIC
Violation Date:	12-11-2019
Citation:	23 CCR 16 2641(j) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2641(j)
Violation Description:	Failure of the leak detection equipment to be installed, calibrated, operated, and/or maintained properly.
Violation Notes:	Returned to compliance on 12/11/2019. OBSERVATION: Owner/Operator did not properly maintain leak detection equipment per DO report on 8/19/2019 on site staff that was not Veeder Root certified moved the VR 344 micro sensor in the piping trench to remove rainwater. Facility has to move the sensor in order to remove the water in the piping trench. Per Veeder Root operation manual #577013-814 only a VR level

TIMES MIRROR CO, LOS ANGELES T (Continued) **S103639737**

2-3 certification allows a person the ability to move a sensor for any reason. Any movement of the sensors by someone who is not Veeder Root level 2-3 certified would negate the certification process that was established during the monitor certification testing or anytime a Veeder Root certified technician responds to the facility. CORRECTED ON SITE: Inspector Young spoke with on site personnel to notify them that they are unable to move the sensors for any reason, doing so will negate the certification process by a Veeder Root certified technician. A remedy to the situation of moving the sensors, the may [Truncated]

Violation Division: Los Angeles City Fire Department
Violation Program: UST
Violation Source: CERS,

Site ID: 573178
Site Name: LOS ANGELES TIMES - OLYMPIC
Violation Date: 01-23-2019
Citation: HSC 6.75 25299.30-25299.34 - California Health and Safety Code, Chapter 6.75, Section(s) 25299.30-25299.34
Violation Description: Failure to submit and maintain complete and current Certification of Financial Responsibility or other mechanism of financial assurance.
Violation Notes: Returned to compliance on 05/23/2019. OBSERVATION: Financial responsibility documents were expired. Expired on 8/4/2018. Current financial responsibility documents are required to be submitted annually. CORRECTIVE ACTION: Complete and submit a copy of the financial responsibility by 1/14/2018. **********SECOND NOTICE**********
Violation Division: Los Angeles City Fire Department
Violation Program: UST
Violation Source: CERS,

Site ID: 573178
Site Name: LOS ANGELES TIMES - OLYMPIC
Violation Date: 12-20-2021
Citation: Un-Specified
Violation Description: Business Plan Program - Operations/Maintenance - General Local Ordinance
Violation Notes: Returned to compliance on 02/20/2022. OBSERVATION: Multiple steel and plastic drums were not stored on top of containment pallets to ensure containment if the primary container was breached. CORRECTIVE ACTION: Ensure all steel and plastic drums are stored on top of containment pallets.
Violation Division: Los Angeles City Fire Department
Violation Program: HMRRP
Violation Source: CERS,

Site ID: 573178
Site Name: LOS ANGELES TIMES - OLYMPIC
Violation Date: 12-14-2018
Citation: 23 CCR 16 2712(i) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2712(i)
Violation Description: Failure to have current UST Monitoring Plan available on site.
Violation Notes: Returned to compliance on 03/19/2019. OBSERVATION: Approved copy of the monitoring plan was not found onsite. CORRECTIVE ACTION: Locate and retain a copy onsite.
Violation Division: Los Angeles City Fire Department
Violation Program: UST

TIMES MIRROR CO, LOS ANGELES T (Continued) **S103639737**

Violation Source: CERS,

Site ID: 573178
Site Name: LOS ANGELES TIMES - OLYMPIC
Violation Date: 01-23-2019
Citation: 23 CCR 16 2711(a)(8) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2711(a)(8)
Violation Description: Failure to submit or maintain a current facility plot plan.
Violation Notes: Returned to compliance on 05/23/2019. OBSERVATION: Owner/Operator did not maintain and/or submit a current facility plot plan. CORRECTIVE ACTION: Monitoring site plan is missing approximate piping between sumps and UDC's and include sensors in their respective sumps. Maintain and/or submit a current facility plot plan. Facility shall notify this inspector directly by email when all required corrections have been completed per Title 23, 2712 (f). **********SECOND NOTICE**********
Violation Division: Los Angeles City Fire Department
Violation Program: UST
Violation Source: CERS,

Site ID: 573178
Site Name: LOS ANGELES TIMES - OLYMPIC
Violation Date: 01-23-2019
Citation: 23 CCR 16 2715(c)(4) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2715(c)(4)
Violation Description: Failure to maintain a list of employees trained by the designated operator on-site or off-site at a readily available location, if approved by the UPA. For training that occurs on or after October 1, 2018, failure to maintain a copy of the "Facility Employee Training Certificate" on-site or off-site at a readily available location, if approved by the UPA.
Violation Notes: Returned to compliance on 05/23/2019. OBSERVATION: NO record of designated operator employee training for any employees were observed on site for the year 2018. The designated operator shall train facility employees for which he or she is responsible in the proper operation and maintenance of the UST system once every 12 months. The training shall include, but is not limited to: 1. Operation of the UST system in a manner consistent with the facility s best management practices 2. Employee s role with regard to monitoring equipment as specified in the facility s monitoring plan 3. Employee s role with regard to spills and overfills as specified in the facility s response plan 4. Name of the contact person(s) for emergencies and monitoring equipment alarms. CORRECTIVE ACTION: Ensure that employees have been trained by the designated operator, maintain the list on site, and submit a copy of the training records to the CUPA FORTHWITH. **********SECOND NOTICE**********
Violation Division: Los Angeles City Fire Department
Violation Program: UST
Violation Source: CERS,

Site ID: 573178
Site Name: LOS ANGELES TIMES - OLYMPIC
Violation Date: 12-14-2018
Citation: 23 CCR 16 2711(a)(8) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2711(a)(8)
Violation Description: Failure to submit or maintain a current facility plot plan.
Violation Notes: Returned to compliance on 03/19/2019. OBSERVATION: Owner/Operator did

TIMES MIRROR CO, LOS ANGELES T (Continued) **S103639737**

not maintain and/or submit a current facility plot plan. CORRECTIVE ACTION: Monitoring site plan is missing approximate piping between sumps and UDC's and include sensors in their respective sumps. Maintain and/or submit a current facility plot plan. Facility shall notify this inspector directly by email when all required corrections have been completed per Title 23, 2712 (f).

Violation Division: Los Angeles City Fire Department
Violation Program: UST
Violation Source: CERS,

Site ID: 573178
Site Name: LOS ANGELES TIMES - OLYMPIC
Violation Date: 12-20-2021
Citation: HSC 6.95 25508(a)(3 - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(3
Violation Description: Failure to report program data electronically.
Violation Notes: Returned to compliance on 12/29/2021. OBSERVATION: The business failed to electronically submit the Business Activities Page and/or Business Owner Operator Identification Page, or failed to report complete or accurate information on these forms. CORRECTIVE ACTION: Complete and electronically submit the Business Activities Page and/or Business Owner Operator Identification Page. Update primary contact to ensure most current person is listed.
Violation Division: Los Angeles City Fire Department
Violation Program: HMRRP
Violation Source: CERS,

Site ID: 573178
Site Name: LOS ANGELES TIMES - OLYMPIC
Violation Date: 12-11-2019
Citation: Un-Specified
Violation Description: UST Program - Administration/Documentation - General Local Ordinance - Must include violation description and proper ordinance citation in the "comment" section.
Violation Notes: Returned to compliance on 01/30/2020. OBSERVATION: Owner/Operator did not submit a request for a permit through plan check permit for the installation of a new ATG probe for T1 on 7/16/2019 by DO Ron Franklin with George Bryant Inc. CORRECTIVE ACTION: Submit to LAFD plan check to pull a permit for the installation of the new ATG probe for T1.
Violation Division: Los Angeles City Fire Department
Violation Program: UST
Violation Source: CERS,

Site ID: 573178
Site Name: LOS ANGELES TIMES - OLYMPIC
Violation Date: 12-14-2018
Citation: 23 CCR 16 2715(c)(4) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2715(c)(4)
Violation Description: Failure to maintain a list of employees trained by the designated operator on-site or off-site at a readily available location, if approved by the UPA. For training that occurs on or after October 1, 2018, failure to maintain a copy of the "Facility Employee Training Certificate" on-site or off-site at a readily available location, if approved by the UPA.
Violation Notes: Returned to compliance on 03/19/2019. OBSERVATION: NO record of designated operator employee training for any employees were observed on site for the year 2018. The designated operator shall train

TIMES MIRROR CO, LOS ANGELES T (Continued) **S103639737**

facility employees for which he or she is responsible in the proper operation and maintenance of the UST system once every 12 months. The training shall include, but is not limited to: 1. Operation of the UST system in a manner consistent with the facility s best management practices 2. Employee s role with regard to monitoring equipment as specified in the facility s monitoring plan 3. Employee s role with regard to spills and overfills as specified in the facility s response plan 4. Name of the contact person(s) for emergencies and monitoring equipment alarms. CORRECTIVE ACTION: Ensure that employees have been trained by the designated operator, maintain the list on site, and submit a copy of the training records to the CUPA FORTHWITH.

Violation Division: Los Angeles City Fire Department
Violation Program: UST
Violation Source: CERS,

Site ID: 573178
Site Name: LOS ANGELES TIMES - OLYMPIC
Violation Date: 05-15-2020
Citation: 23 CCR 16 2641(h) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2641(h)
Violation Description: Failure to have an approved UST Monitoring Plan.
Violation Notes: Returned to compliance on 06/19/2020. OBSERVATION: Owner/Operator did not maintain a current monitoring plan. In Tank Monitoring under TANK INTEGRITY TESTING under FREQUENCY for both tanks it states "5 YEARS". CORRECTIVE ACTION: In Tank Monitoring under TANK INTEGRITY TESTING under FREQUENCY for both tanks it should state ANNUALLY . OBSERVATION: Owner/Operator did not maintain a current monitoring plan. In Pipe Monitoring under PIPING SECONDARY CONTAINMENT for T4 tanks NOTHING is listed. CORRECTIVE ACTION: Under PIPING SECONDARY CONTAINMENT for T4 it should state "DRY ". OBSERVATION: Owner/Operator did not maintain a current monitoring plan. In Piping Monitoring under MONITOR PANEL MODEL for T3 it states "VR 208". CORRECTIVE ACTION: In Piping Monitoring under MONITOR PANEL MODEL for T3 it should state "TLS-350". OBSERVATION: Owner/Operator did not maintain a current monitoring plan. In Piping Monitoring under LEAK SENSOR MANUFACTURER for T3 NOTHING is listed. CORRECTIVE ACTION: In Piping Monitoring [Truncated]
Violation Division: Los Angeles City Fire Department
Violation Program: UST
Violation Source: CERS,

Site ID: 573178
Site Name: LOS ANGELES TIMES - OLYMPIC
Violation Date: 12-08-2020
Citation: 23 CCR 16 2641(h) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2641(h)
Violation Description: Failure to have an approved UST Monitoring Plan.
Violation Notes: Returned to compliance on 01/13/2021.
Violation Division: Los Angeles City Fire Department
Violation Program: UST
Violation Source: CERS,

Site ID: 573178
Site Name: LOS ANGELES TIMES - OLYMPIC
Violation Date: 12-11-2019
Citation: HSC 6.7 25293 - California Health and Safety Code, Chapter 6.7, Section(s) 25293
Violation Description: Failure to maintain UST records in sufficient detail to enable the UPA

TIMES MIRROR CO, LOS ANGELES T (Continued) **S103639737**

	to determine whether the UST systems are in compliance.
Violation Notes:	Returned to compliance on 05/15/2020. OBSERVATION: Owner/Operator did not maintain UST records in sufficient detail to enable the UPA to determine if UST systems are in compliance. 2018 Spill bucket test results were not on site. CORRECTIVE ACTION: Maintain UST records in sufficient detail to enable the UPA to determine if UST systems are in compliance. Locate the 2018 spill bucket test results and place them in a binder on site.
Violation Division:	Los Angeles City Fire Department
Violation Program:	UST
Violation Source:	CERS,
Site ID:	573178
Site Name:	LOS ANGELES TIMES - OLYMPIC
Violation Date:	12-08-2020
Citation:	HSC 6.7 25293 - California Health and Safety Code, Chapter 6.7, Section(s) 25293
Violation Description:	Failure to maintain UST records in sufficient detail to enable the UPA to determine whether the UST systems are in compliance.
Violation Notes:	Returned to compliance on 12/10/2020. OBSERVATION: Owner/Operator did not maintain UST records in sufficient detail to enable the UPA to determine if UST systems are in compliance. Jan 2017 secondary containment testing results were not on site. CORRECTIVE ACTION: Maintain UST records in sufficient detail to enable the UPA to determine if UST systems are in compliance. Locate those results and place in the binder on site.
Violation Division:	Los Angeles City Fire Department
Violation Program:	UST
Violation Source:	CERS,
Site ID:	573178
Site Name:	LOS ANGELES TIMES - OLYMPIC
Violation Date:	12-20-2021
Citation:	HSC 6.95 25508(a)(3) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(3)
Violation Description:	Failure to complete and electronically submit hazardous material inventory information for all reportable hazardous materials on site at or above reportable quantities.
Violation Notes:	Returned to compliance on 02/20/2022. OBSERVATION: The business failed to electronically submit complete and accurate chemical inventory information for all hazardous materials on site at or above reportable quantities. CORRECTIVE ACTION: Electronically submit complete and accurate chemical inventory information for all hazardous materials on site at or above reportable quantities. Add Oils stored in outdoor area Remove All gases now not stored in the outdoor cage EZ Timez - if no longer stored on site
Violation Division:	Los Angeles City Fire Department
Violation Program:	HMRRP
Violation Source:	CERS,
Site ID:	573178
Site Name:	LOS ANGELES TIMES - OLYMPIC
Violation Date:	05-15-2020
Citation:	23 CCR 16 2712(i) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2712(i)
Violation Description:	Failure to submit a current UST Response Plan available on site.
Violation Notes:	Returned to compliance on 06/19/2020. OBSERVATION: Facility did not

TIMES MIRROR CO, LOS ANGELES T (Continued) **S103639737**

have a current Response Plan submitted onto CERS. CORRECTIVE ACTION: Maintain an approved Response Plan, see email attachment for proper Response plan. Fill it out and upload onto CERS ID 10247251. **********SECOND NOTICE**********

Violation Division: Los Angeles City Fire Department
Violation Program: UST
Violation Source: CERS,

Site ID: 573178
Site Name: LOS ANGELES TIMES - OLYMPIC
Violation Date: 12-11-2019
Citation: 23 CCR 16 2712(b)(1)(G) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2712(b)(1)(G)
Violation Description: Failure to comply with one or more of the following overfill prevention equipment requirements: Alert the transfer operator when the tank is 90 percent full by restricting the flow into the tank or triggering an audible and visual alarm; or Restrict delivery of flow to the tank at least 30 minutes before the tank overfills, provided the restriction occurs when the tank is filled to no more than 95 percent of capacity; and activate an audible alarm at least five minutes before the tank overfills; or Provide positive shut-off of flow to the tank when the tank is filled to no more than 95 percent of capacity; or Provide positive shut-off of flow to the tank so that none of the fittings located on the top of the tank are exposed to product due to overfilling. Install/retrofit overfill prevention equipment that does not use flow restrictors on vent piping to meet overfill prevention equipment requirements when the overfill prevention equipment is installed, repaired, or replaced on and after October 1, 2018. For USTs installed before October 1, 2018, perform an inspection by October 13, 2018 and every 36 months thereafter. For USTs installed on and after October 1, 2018, perform an inspection at installation and every 36 months thereafter. Inspected within 30 days after a repair to the overfill prevention equipment. Inspected using an applicable manufacturer guidelines, industry codes, engineering standards, or a method approved by a professional engineer. Inspected by a certified UST service technician. Maintain records of overfill prevention equipment inspection for 36 months.
Violation Notes: Returned to compliance on 12/13/2019. OBSERVATION: The ATG acknowledgment button was stuck and therefore would not allow the audible/visual alarm annunciator to go into alarm. CORRECTIVE ACTION: Immediately replace the acknowledgment button completed by a properly licensed, trained, and certified contractor and if necessary pull a permit under the inspection of the CUPA.
Violation Division: Los Angeles City Fire Department
Violation Program: UST
Violation Source: CERS,

Site ID: 573178
Site Name: LOS ANGELES TIMES - OLYMPIC
Violation Date: 12-14-2018
Citation: 23 CCR 16 2636(f)(1) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2636(f)(1)
Violation Description: Failure of the leak detection equipment to have an audible and visual alarm as required.
Violation Notes: Returned to compliance on 12/14/2018. OBSERVATION: A VR344 sensor (C6) in the piping run failed during the annual monitor certification testing. CORRECTED ON SITE: D5 like for like permit was issued under

TIMES MIRROR CO, LOS ANGELES T (Continued) **S103639737**

SRBR0QEVP. A new VR 344 sensor was replaced by Ron Franklin with George Bryant Construction Inc and functioned properly when tested.

Violation Division: Los Angeles City Fire Department
Violation Program: UST
Violation Source: CERS,

Site ID: 573178
Site Name: LOS ANGELES TIMES - OLYMPIC
Violation Date: 08-02-2016
Citation: HSC 6.75 25299.30-25299.34 - California Health and Safety Code, Chapter 6.75, Section(s) 25299.30-25299.34
Violation Description: Failure to submit and maintain complete and current Certification of Financial Responsibility or other mechanism of financial assurance.
Violation Notes: Returned to compliance on 01/04/2017.
Violation Division: Los Angeles City Fire Department
Violation Program: UST
Violation Source: CERS,

Site ID: 573178
Site Name: LOS ANGELES TIMES - OLYMPIC
Violation Date: 12-11-2019
Citation: 23 CCR 16 2641(h) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2641(h)
Violation Description: Failure to have an approved UST Monitoring Plan.
Violation Notes: Returned to compliance on 05/15/2020. OBSERVATION: Owner/Operator did not maintain a current monitoring plan. In Tank Monitoring under TANK INTEGRITY TESTING under FREQUENCY for both tanks it states "5 YEARS". CORRECTIVE ACTION: In Tank Monitoring under TANK INTEGRITY TESTING under FREQUENCY for both tanks it should state ANNUALLY . OBSERVATION: Owner/Operator did not maintain a current monitoring plan. In Pipe Monitoring under PIPING SECONDARY CONTAINMENT for T4 tanks NOTHING is listed. CORRECTIVE ACTION: Under PIPING SECONDARY CONTAINMENT for T4 it should state "DRY ". OBSERVATION: Owner/Operator did not maintain a current monitoring plan. In Piping Monitoring under MONITOR PANEL MODEL for T3 it states "VR 208". CORRECTIVE ACTION: In Piping Monitoring under MONITOR PANEL MODEL for T3 it should state "TLS-350". OBSERVATION: Owner/Operator did not maintain a current monitoring plan. In Piping Monitoring under LEAK SENSOR MANUFACTURER for T3 NOTHING is listed. CORRECTIVE ACTION: In Piping Monitoring [Truncated]
Violation Division: Los Angeles City Fire Department
Violation Program: UST
Violation Source: CERS,

Site ID: 573178
Site Name: LOS ANGELES TIMES - OLYMPIC
Violation Date: 03-22-2017
Citation: 22 CCR 12 66262.34(f) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.34(f)
Violation Description: Failure to properly label hazardous waste accumulation containers and portable tanks with the following requirements: "Hazardous Waste", name and address of the generator, physical and chemical characteristics of the Hazardous Waste, and starting accumulation date.
Violation Notes: Returned to compliance on 09/08/2017. OBSERVATION: All hazardous waste containers shall be marked with the following information: 1) the words Hazardous Waste ; 2) name and address of generator; 3) hazardous properties; 4) physical state; 5) composition (contents); 6)

TIMES MIRROR CO, LOS ANGELES T (Continued) **S103639737**

accumulation start date. Observed 1 x 5 gallon container, used for storage of spent developer solution, without the required hazardous waste label. CORRECTIVE ACTION: Immediately label these containers and ensure that all hazardous waste containers are marked with all the required information.

Violation Division: Los Angeles County Fire Department
Violation Program: HW
Violation Source: CERS,

Site ID: 573178
Site Name: LOS ANGELES TIMES - OLYMPIC
Violation Date: 12-14-2018
Citation: 23 CCR 16 2712(b)(1)(G) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2712(b)(1)(G)
Violation Description: Failure to comply with one or more of the following overfill prevention equipment requirements: Alert the transfer operator when the tank is 90 percent full by restricting the flow into the tank or triggering an audible and visual alarm; or Restrict delivery of flow to the tank at least 30 minutes before the tank overfills, provided the restriction occurs when the tank is filled to no more than 95 percent of capacity; and activate an audible alarm at least five minutes before the tank overfills; or Provide positive shut-off of flow to the tank when the tank is filled to no more than 95 percent of capacity; or Provide positive shut-off of flow to the tank so that none of the fittings located on the top of the tank are exposed to product due to overfilling. Install/retrofit overfill prevention equipment that does not use flow restrictors on vent piping to meet overfill prevention equipment requirements when the overfill prevention equipment is installed, repaired, or replaced on and after October 1, 2018. For USTs installed before October 1, 2018, perform an inspection by October 13, 2018 and every 36 months thereafter. For USTs installed on and after October 1, 2018, perform an inspection at installation and every 36 months thereafter. Inspected within 30 days after a repair to the overfill prevention equipment. Inspected using an applicable manufacturer guidelines, industry codes, engineering standards, or a method approved by a professional engineer. Inspected by a certified UST service technician. Maintain records of overfill prevention equipment inspection for 36 months.
Violation Notes: Returned to compliance on 12/14/2018. OBSERVATION: Owner/Operator failed to meet one or more of the requirements applicable to overfill prevention equipment. Facility did not test overfill protection before the October 13th 2018 deadline. CORRECTED ON SITE: Overfill protection was tested on site today 12/14/2018 during monitor cert by Ron Franklin with George Bryant Construction.
Violation Division: Los Angeles City Fire Department
Violation Program: UST
Violation Source: CERS,

Site ID: 573178
Site Name: LOS ANGELES TIMES - OLYMPIC
Violation Date: 12-08-2020
Citation: 23 CCR 16 2716(e) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2716(e)
Violation Description: For designated operator (DO) monthly inspections conducted before October 1, 2018, failure to comply with one or more of the following requirements: Be performed by an ICC certified DO. Inspect monthly alarm history report, check that alarms are documented and responded

TIMES MIRROR CO, LOS ANGELES T (Continued) **S103639737**

to appropriately, and attach a copy. Inspect for the presence of liquid/debris in spill containers. Inspect for the presence of liquid/debris in under dispenser containment (UDC) and ensure that the monitoring equipment is positioned correctly. Inspect for liquid or debris in containment sumps where an alarm occurred with no service visit. Check that all testing and maintenance has been completed and documented. Verify that all facility employees have been trained in accordance with 23 CCR 2715(c). For designated operator (DO) 30 day inspections conducted on and after October 1, 2018, failure to conduct the designated UST operator visual inspection at least once every 30 days.

Violation Notes: Returned to compliance on 12/08/2020. OBSERVATION: Facility did not comply with one or more of the following DO inspection requirements: DO did not note reason for Set up data warning on 12/20/2019. Tank owner/operator did not print, sign, and/or date on 2/2020 and 12/2019 DO reports. CORRECTED ON SITE: DO noted reason for set up data warning which is the sensor was removed from the facility as it was no longer needed. Tank owner/operator completed missing printing, signing, and/or dating on DO reports noted above.
Violation Division: Los Angeles City Fire Department
Violation Program: UST
Violation Source: CERS,

Site ID: 573178
Site Name: LOS ANGELES TIMES - OLYMPIC
Violation Date: 03-22-2017
Citation: HSC 6.5 25143.10 - California Health and Safety Code, Chapter 6.5, Section(s) 25143.10
Violation Description: Failure of any person who recycles more than 100 kilograms per month of recyclable material under a claim that the material qualifies for exclusion or exemption, to submit recyclable materials report every two years.
Violation Notes: Returned to compliance on 08/31/2017. OBSERVATION: The generator failed to provide all required information for recyclable material to claim the exclusion or exemption for that material. No Recyclable Material Report submitted for 2015/2016. CORRECTIVE ACTION: The generator shall immediately provide all required information for every recyclable material for which the generator wishes to claim the exclusion or exemption and provide that information every two years. If the generator cannot provide the required information the materials must immediately be handled as a hazardous waste.
Violation Division: Los Angeles County Fire Department
Violation Program: HWRecycler
Violation Source: CERS,

Site ID: 573178
Site Name: LOS ANGELES TIMES - OLYMPIC
Violation Date: 12-20-2016
Citation: 23 CCR 16 2715(i) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2715(i)
Violation Description: Failure to have a properly qualified service technician test leak detection equipment as required every 12 months (vapor, pressure, hydrostatic (VPH) system, sensors, line-leak detectors (LLD), automatic tank gauge (ATG), etc.).
Violation Notes: Returned to compliance on 01/04/2017.
Violation Division: Los Angeles City Fire Department
Violation Program: UST

TIMES MIRROR CO, LOS ANGELES T (Continued) **S103639737**

Violation Source: CERS,

Site ID: 573178
Site Name: LOS ANGELES TIMES - OLYMPIC
Violation Date: 12-16-2021
Citation: HSC 6.7 25284, 25286 - California Health and Safety Code, Chapter 6.7, Section(s) 25284, 25286
Violation Description: Failure to submit a complete and accurate application for a permit to operate a UST, or for renewal of the permit.
Violation Notes: Returned to compliance on 12/17/2021. OBSERVATION: UST tank information is not current in CERS. In Vent, Vapor Recovery (VR) and Riser / Fill Pipe Piping Construction under VENT PIPING TRANSITION SUMP for both tanks it states "SINGLE-WALLED". CORRECTIVE ACTION: In Vent, Vapor Recovery (VR) and Riser / Fill Pipe Piping Construction under VENT PIPING TRANSITION SUMP for both tanks it should state "NONE .
Violation Division: Los Angeles City Fire Department
Violation Program: UST
Violation Source: CERS,

Site ID: 573178
Site Name: LOS ANGELES TIMES - OLYMPIC
Violation Date: 12-14-2018
Citation: HSC 6.7 25293 - California Health and Safety Code, Chapter 6.7, Section(s) 25293
Violation Description: Failure to maintain UST records in sufficient detail to enable the UPA to determine whether the UST systems are in compliance.
Violation Notes: Returned to compliance on 03/19/2019. OBSERVATION: Records of the visual inspection records for aboveground piping were not found onsite. CORRECTIVE ACTION: Maintain onsite and submit copies to the CUPA by 1/14/2019.
Violation Division: Los Angeles City Fire Department
Violation Program: UST
Violation Source: CERS,

Site ID: 573178
Site Name: LOS ANGELES TIMES - OLYMPIC
Violation Date: 05-15-2020
Citation: HSC 6.75 25299.30-25299.34 - California Health and Safety Code, Chapter 6.75, Section(s) 25299.30-25299.34
Violation Description: Failure to submit and maintain complete and current Certification of Financial Responsibility or other mechanism of financial assurance.
Violation Notes: Returned to compliance on 06/19/2020. OBSERVATION: Financial responsibility documents were expired. Expired on 6/18/2019. Current financial responsibility documents are required to be submitted annually. CORRECTIVE ACTION: Complete and submit a copy of the financial responsibility by 1/10/2020. **********SECOND NOTICE**********
Violation Division: Los Angeles City Fire Department
Violation Program: UST
Violation Source: CERS,

Site ID: 573178
Site Name: LOS ANGELES TIMES - OLYMPIC
Violation Date: 12-08-2020
Citation: 23 CCR 16 2712(i) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2712(i)

TIMES MIRROR CO, LOS ANGELES T (Continued) **S103639737**

Violation Description:	Failure to retain a copy of the permit to operate at the facility.
Violation Notes:	Returned to compliance on 01/07/2021. OBSERVATION: Owner/Operator did not retain a paper or electronic copy of the permit to operate at the facility. CORRECTIVE ACTION: Retain a paper or electronic copy of the permit to operate at the facility.
Violation Division:	Los Angeles City Fire Department
Violation Program:	UST
Violation Source:	CERS,
Site ID:	573178
Site Name:	LOS ANGELES TIMES - OLYMPIC
Violation Date:	05-15-2020
Citation:	HSC 6.7 25293 - California Health and Safety Code, Chapter 6.7, Section(s) 25293
Violation Description:	Failure to maintain UST records in sufficient detail to enable the UPA to determine whether the UST systems are in compliance.
Violation Notes:	Returned to compliance on 06/19/2020. OBSERVATION: Owner/Operator did not maintain UST records in sufficient detail to enable the UPA to determine if UST systems are in compliance. 2018 Spill bucket test results were not on site. CORRECTIVE ACTION: Maintain UST records in sufficient detail to enable the UPA to determine if UST systems are in compliance. Locate the 2018 spill bucket test results and place them in a binder on site. **********SECOND NOTICE**********
Violation Division:	Los Angeles City Fire Department
Violation Program:	UST
Violation Source:	CERS,
Site ID:	573178
Site Name:	LOS ANGELES TIMES - OLYMPIC
Violation Date:	05-15-2020
Citation:	HSC 6.7 25284, 25286 - California Health and Safety Code, Chapter 6.7, Section(s) 25284, 25286
Violation Description:	Failure to submit a complete and accurate application for a permit to operate a UST, or for renewal of the permit.
Violation Notes:	Returned to compliance on 06/19/2020. OBSERVATION: UST tank information is not current in CERS. In Product/waste piping construction under PRIMARY CONTAINMENT for both tanks it states "OTHER BLACK IRON". CORRECTIVE ACTION: In Product/waste piping construction under PRIMARY CONTAINMENT for both tanks it should state "FIBERGLASS". OBSERVATION: UST tank information is not current in CERS. In Product/waste piping construction under PIPING/TURBINE CONTAINMENT SUMP for T2 it states "NONE". CORRECTIVE ACTION: In Product/waste piping construction under PIPING/TURBINE CONTAINMENT SUMP for T2 it should state "SINGLE-WALLED . OBSERVATION: UST tank information is not current in CERS. In Vent, Vapor Recovery (VR) and Riser / Fill Pipe Piping Construction under RISER PRIMARY CONTAINMENT for T2 it states "NONE". CORRECTIVE ACTION: In Vent, Vapor Recovery (VR) and Riser / Fill Pipe Piping Construction under RISER PRIMARY CONTAINMENT for T2 tanks it should state "STEEL . OBSERVATION: UST tank information is not in [Truncated]
Violation Division:	Los Angeles City Fire Department
Violation Program:	UST
Violation Source:	CERS,
Site ID:	573178
Site Name:	LOS ANGELES TIMES - OLYMPIC
Violation Date:	12-11-2019

TIMES MIRROR CO, LOS ANGELES T (Continued) **S103639737**

Citation:	23 CCR 16 2716(e) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2716(e)
Violation Description:	For designated operator (DO) monthly inspections conducted before October 1, 2018, failure to comply with one or more of the following requirements: Be performed by an ICC certified DO. Inspect monthly alarm history report, check that alarms are documented and responded to appropriately, and attach a copy. Inspect for the presence of liquid/debris in spill containers. Inspect for the presence of liquid/debris in under dispenser containment (UDC) and ensure that the monitoring equipment is positioned correctly. Inspect for liquid or debris in containment sumps where an alarm occurred with no service visit. Check that all testing and maintenance has been completed and documented. Verify that all facility employees have been trained in accordance with 23 CCR 2715(c). For designated operator (DO) 30 day inspections conducted on and after October 1, 2018, failure to conduct the designated UST operator visual inspection at least once every 30 days.
Violation Notes:	Returned to compliance on 12/17/2019. OBSERVATION: Facility did not comply with one or more of the following DO monthly inspection requirements: Tank owner/operator did not note date in Section V of 10/21/2019 DO report. Tank owner/operator did not write in response in Section V to compliance issues noted by DO in Section III on 8/2019, 7/2019, 6,2019, 3/2019, 2/2019, & 1/2019 DO reports. DO did not fill out Section VIII of 11/20/2019 DO report. CORRECTIVE ACTION: Tank owner/operator added date to Section VI of 10/2019 DO report and wrote in responses in Section V on DO reports listed above, those violations were corrected on site. Have DO fill out Section VIII on 11/20/2019 DO report and submit a copy of compliant DO inspection record to the Inspector.
Violation Division:	Los Angeles City Fire Department
Violation Program:	UST
Violation Source:	CERS,
Site ID:	573178
Site Name:	LOS ANGELES TIMES - OLYMPIC
Violation Date:	12-14-2018
Citation:	23 CCR 16 2641(h) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2641(h)
Violation Description:	Failure to have an approved UST Monitoring Plan.
Violation Notes:	Returned to compliance on 03/19/2019. OBSERVATION: Owner/Operator did not maintain a current monitoring plan. CORRECTIVE ACTION: Make corrections specified during our conversation during the monitor certification. Facility shall notify this inspector directly by email when all required corrections have been completed per Title 23, 2712 (f).
Violation Division:	Los Angeles City Fire Department
Violation Program:	UST
Violation Source:	CERS,
Site ID:	573178
Site Name:	LOS ANGELES TIMES - OLYMPIC
Violation Date:	12-14-2018
Citation:	HSC 6.7 25299(a)(9) - California Health and Safety Code, Chapter 6.7, Section(s) 25299(a)(9)
Violation Description:	Leak detection equipment disabled or tampered with in a manner that would prevent the monitoring system from detecting and/or alerting the owner/operator of a leak.

TIMES MIRROR CO, LOS ANGELES T (Continued) **S103639737**

Violation Notes:	Returned to compliance on 12/14/2018. OBSERVATION: Owner/Operator tampered with and/or disabled leak detection equipment in a manner that would prevent the monitoring system from detecting and/or alerting the owner/operator of a leak. The Owner/Operator shall not disable or tamper with monitoring equipment. Repair/replace equipment so that it functions per manufacturer's specifications The VR 420 sensor in the trench sump (Sensor L7) had the float on the sensor flipped so that the sensor would not go into alarm. Water was noted in the same sump as L7 VR 420 sensor in an amount enough to cause an alarm CORRECTED ON SITE: Tester Ron Franklin switched the float back to normal position and tested sensor which functioned properly during testing. Water was removed onsite and was properly disposed of.
Violation Division:	Los Angeles City Fire Department
Violation Program:	UST
Violation Source:	CERS,
Site ID:	573178
Site Name:	LOS ANGELES TIMES - OLYMPIC
Violation Date:	12-14-2018
Citation:	HSC 6.75 25299.30-25299.34 - California Health and Safety Code, Chapter 6.75, Section(s) 25299.30-25299.34
Violation Description:	Failure to submit and maintain complete and current Certification of Financial Responsibility or other mechanism of financial assurance.
Violation Notes:	Returned to compliance on 03/19/2019. OBSERVATION: Financial responsibility documents were expired. Expired on 8/4/2018. Current financial responsibility documents are required to be submitted annually. CORRECTIVE ACTION: Complete and submit a copy of the financial responsibility by 1/14/2018.
Violation Division:	Los Angeles City Fire Department
Violation Program:	UST
Violation Source:	CERS,
Site ID:	573178
Site Name:	LOS ANGELES TIMES - OLYMPIC
Violation Date:	01-23-2019
Citation:	23 CCR 16 2712(i) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2712(i)
Violation Description:	Failure to have current UST Monitoring Plan available on site.
Violation Notes:	Returned to compliance on 06/21/2019. OBSERVATION: Approved copy of the monitoring plan was not found onsite. CORRECTIVE ACTION: Locate and retain a copy onsite. **********SECOND NOTICE**********
Violation Division:	Los Angeles City Fire Department
Violation Program:	UST
Violation Source:	CERS,

Evaluation:

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	12-08-2020
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	LAFD Inspector Christopher Young on site this date 12/8/2020 to conduct routine inspection of underground storage tank facility. Monitoring System components were observed and verified this date. Consent to enter, inspect and take photographs was given on this date by Paul Derderian, Production Services Supervisor. Monitoring system certification and overfill testing were conducted at this time.

TIMES MIRROR CO, LOS ANGELES T (Continued) **S103639737**

Monitoring certification was performed by Ronald Franklin with George Bryant Construction Inc, Monitoring System components were observed and verified on this date. Tester provided the following certifications: Ron Franklin ICC: ICC: 5243708 Exp: 6/29/2022 VR: B36408 Exp11/7/2021 The UST monitoring panel showed all functions normal. Current monitoring setup and alarm history WERE available for review. The sumps WERE available for inspection and the sensors WERE observed positioned to detect a leak at the earliest opportunity. The spill buckets WERE also visually [Truncated]

Eval Division: Los Angeles City Fire Department
Eval Program: UST
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 03-22-2017
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Michael Chavez, Manager. No significant violations observed at time of inspection.

Eval Division: Los Angeles County Fire Department
Eval Program: CA
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 05-14-2019
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported

Eval Division: Los Angeles City Fire Department
Eval Program: APSA
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 05-15-2020
Violations Found: Yes
Eval Type: Other, not routine, done by local agency
Eval Notes: 2000 E 8th St Facility has not complied with the above written violation within the 30 days. This violation has been upgraded to a CLASS II violation. Facility has 30 days to comply with the violation or this violation will be upgraded to a CLASS I which will be forwarded to my Legal unit for fine and penalty assessment. Violators can be liable for civil penalties up to $5,000 dollars per day, for each violation. HSC 25299, HSC 25270.12. Report was emailed to racine.watts@latimes.com. **********SECOND NOTICE**********

Eval Division: Los Angeles City Fire Department
Eval Program: UST
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 07-14-2022
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: 2000 E 8th St NOV follow up for facility at 2000 E 8th St. Inspector Young reviewed the facility's latest CERS hazmat submittal. Facility made all necessary corrections to the business owner/operator identification page and hazmat inventory. All drums were placed on containment pallets to ensure collecting of the stored substance in

TIMES MIRROR CO, LOS ANGELES T (Continued) **S103639737**

case of a leak. All NOV's were cleared.
Eval Division: Los Angeles City Fire Department
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 11-08-2013
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Inspected by S. Phan Consent given by Michael Chavez
Eval Division: Los Angeles County Fire Department
Eval Program: HW
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 12-11-2020
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: 2000 E 8TH ST REVIEWED RECEIVED OVERFILL PREVENTION RESULTS FOR TESTING CONDUCTED ON 12/8/2020 BY RONALD FRANKLIN WITH GEORGE BRYANT CONSTRUCTION INC. CONFIRMED RESULTS WERE REQUESTED/ RECEIVED, SCANNED/DOWNLOADED AND/OR ATTACHED IN ENVISION. NO FAILURES NOTED ON THE REPORT.
Eval Division: Los Angeles City Fire Department
Eval Program: UST
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 12-15-2022
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: 2000 E 8th St Continuation of facility inspection for facility at 2000 E 8th St. Inspection report was continued to be worked on the facility inspection because of lack of time yesterday to complete due 3 monitor certs.
Eval Division: Los Angeles City Fire Department
Eval Program: UST
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 12-17-2018
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: 2000 E 8TH ST REVIEWED RECEIVED ANNUAL MONITORING SYSTEM, SPILL BUCKETS, AND OVERFILL PROTECTION CERTIFICATION RESULTS FOR TESTING CONDUCTED ON 12/14/2018 BY RONALD FRANKLIN WITH GEORGE BRYANT CONSTRUCTION INC. CONFIRMED RESULTS WERE REQUESTED/ RECEIVED, SCANNED/DOWNLOADED AND/OR ATTACHED IN ENVISION. FAILURES NOTED ON THE REPORT FOR VR 344 SENSOR. D5 LIKE FOR LIKE PERMIT ISSUED AND SENSOR WAS REPLACED ON SITE BY RON FRANKLIN. SENSOR FUNCTIONED PROPERLY AFTER IT WAS INSTALLED. TESTER ALSO NOTED TAMPERING WITH TRENCH SUMP SENSOR VR 420. SENSOR WAS FLIPPED, IT WAS CORRECTED ON SITE BY GEORGE FRANKLIN AND FUNCTIONED PROPERLY AFTER THE SENSOR WAS FLIPPED BACK TO THE NORMAL POSITION.
Eval Division: Los Angeles City Fire Department
Eval Program: UST
Eval Source: CERS,

TIMES MIRROR CO, LOS ANGELES T (Continued) **S103639737**

Eval General Type: Other/Unknown
Eval Date: 12-17-2021
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: 2000 E 8th St Continuation of facility inspection for facility at 2000 E 8th St. Inspector Young continued the facility inspection report due to not being able to complete on the day of the inspection due to 2 monitor certs, a D5 soil sample, and an HMBP inspection.
Eval Division: Los Angeles City Fire Department
Eval Program: UST
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 12-18-2014
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Los Angeles City Fire Department
Eval Program: UST
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 12-18-2019
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: 2000 E 8th St NOV follow up for facility at 2000 E 8th St. DO sent copy of the corrected 11/2019 DO report which includes filling out Section VIII. Inspector Young let the DO know that the DO violation was clear.
Eval Division: Los Angeles City Fire Department
Eval Program: UST
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 12-20-2016
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Facility inspection , ust book review, Do review, cers review, monitor certification 12/11/2016, Ron Franklin will perform the monitor certification tomorrow , Michael Horeczko gives lafd consent for inspection (manager) Racine Watts is updating the financial responsibility 10/06/2016
Eval Division: Los Angeles City Fire Department
Eval Program: UST
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 01-07-2022
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: 2000 E 8TH ST REVIEWED RECEIVED OVERFILL PREVENTION RESULTS FOR TESTING CONDUCTED ON 10/6/2021 BY RONALD FRANKLIN WITH GEORGE BRYANT CONSTRUCTION INC. CONFIRMED RESULTS WERE REQUESTED/ RECEIVED, SCANNED/DOWNLOADED AND/OR ATTACHED IN ENVISION. NO FAILURES NOTED ON THE REPORT.
Eval Division: Los Angeles City Fire Department
Eval Program: UST

TIMES MIRROR CO, LOS ANGELES T (Continued) **S103639737**

Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 01-17-2020
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: 2000 E 8TH ST REVIEWED RECEIVED SECONDARY CONTAINMENT RESULTS FOR TESTING CONDUCTED ON 1/14/2020 BY RONALD FRANKLIN WITH GEORGE BRYANT CONSTRUCTION INC. CONFIRMED RESULTS WERE REQUESTED/ RECEIVED, SCANNED/DOWNLOADED AND/OR ATTACHED IN ENVISION. NO FAILURES NOTED ON THE REPORT.
Eval Division: Los Angeles City Fire Department
Eval Program: UST
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 02-03-2021
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: 2000 E 8th St NOV follow up for facility at 2000 E 8th St. Inspector Young reviewed the facility's latest CERS UST submittal. Facility updated their business owner/identification page and monitoring plan. Inspector Young emailed Racine Watts to let her know of the clearing of the CERS violations and that the other for copy of the permit is still open.
Eval Division: Los Angeles City Fire Department
Eval Program: UST
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 03-07-2019
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Consent to enter, inspect and take photographs was given by: Racine Watts The Business Activities, Owner/Operator Identification, Hazardous Materials Inventory, Site Map, Emergency Response/Contingency Plan and Employee Training Plan sections were reviewed in CERS and field verified. Review and correct any violations indicated previously in this report, on or before the COMPLY BY date associated with each violation. 1. NO Violations found at time of inspection NOTE: The LAMC, Sections (L.A.M.C. SECTION 57.105.1.4; 57.120.3; 57.121.2 and 57.121.2.1.) requires businesses that store, use or handle hazardous materials in the City of Los Angeles to obtain a Consolidated Permit from the Los Angeles Fire Department CUPA **** Annual submission of a Hazardous Materials Business Plan into CERS is required between January 1 and March 1 of every year. Please remember that any change in inventory of greater than 100 percent will require new submission within 30 days of that [Truncated]
Eval Division: Los Angeles City Fire Department
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 03-22-2017
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Michael Chavez, Manager.

TIMES MIRROR CO, LOS ANGELES T (Continued) **S103639737**

Eval Division: Los Angeles County Fire Department
Eval Program: HWRecycler
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 03-24-2017
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Reviewed documents with Racine Watts
Eval Division: Los Angeles County Fire Department
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 03-31-2014
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Los Angeles City Fire Department
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 04-15-2022
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: 2000 E 8TH ST REVIEWED RECEIVED ANNUAL MONITORING SYSTEM CERTIFICATION & SPILL BUCKET RESULTS FOR TESTING CONDUCTED ON 12/16/2021 BY RONALD FRANKLIN WITH GEORGE BRYANT CONSTRUCTION INC. CONFIRMED RESULTS WERE REQUESTED/ RECEIVED, SCANNED/DOWNLOADED AND/OR ATTACHED IN ENVISION. NO FAILURES NOTED ON THE REPORT.
Eval Division: Los Angeles City Fire Department
Eval Program: UST
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 05-22-2020
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Paul Derderian, Maintenance Department Supervisor
Eval Division: Los Angeles County Fire Department
Eval Program: CA
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 06-21-2019
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: 2000 E 8th St NOV follow up for facility at 2000 E 8th St. Facility has access to computer and CERS submittal for their copy of the monitoring plan on site.
Eval Division: Los Angeles City Fire Department
Eval Program: UST
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 09-08-2017

TIMES MIRROR CO, LOS ANGELES T (Continued) **S103639737**

Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Los Angeles County Fire Department
Eval Program: HWRecycler
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 09-24-2021
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: 2000 E 8TH ST REVIEWED RECEIVED ANNUAL MONITORING SYSTEM CERTIFICATION & SPILL BUCKET RESULTS FOR TESTING CONDUCTED ON 12/11/2019 BY RONALD FRANKLIN WITH GEORGE BRYANT CONSTRUCTION INC. CONFIRMED RESULTS WERE REQUESTED/ RECEIVED, SCANNED/DOWNLOADED AND/OR ATTACHED IN ENVISION. NO FAILURES NOTED ON THE REPORT.
Eval Division: Los Angeles City Fire Department
Eval Program: UST
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 11-08-2013
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Los Angeles County Fire Department
Eval Program: HW
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 02-12-2021
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: 2000 E 8th St NOV follow up for facility at 2000 E 8th St. Facility's permit is currently suspended pending lawsuit with the City attorney for previous Class I violations. Therefore facility will not receive a current copy of their permit until that process is completed and the permit is unsuspended. Inspector Young confirmed with Enforcement Inspector Jerry Kao who confirmed to close out this violation.
Eval Division: Los Angeles City Fire Department
Eval Program: UST
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 02-26-2019
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Los Angeles City Fire Department
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 04-18-2014
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported

TIMES MIRROR CO, LOS ANGELES T (Continued) **S103639737**

Eval Division: Los Angeles County Fire Department
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 05-22-2020
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Paul Derderian, Maintenance Department Supervisor
Eval Division: Los Angeles County Fire Department
Eval Program: HWRecycler
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 08-02-2016
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Facility inspection, cers review with violation , ust book review, Do review , Michael Horeczko gives lafd consent for inspection (lead man , production services) , Secondary Containment 6/22/2016, monitoring certification 12/11/2015
Eval Division: Los Angeles City Fire Department
Eval Program: UST
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 11-22-2013
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Inspected by S. Phan Consent given by Michael Chavez
Eval Division: Los Angeles County Fire Department
Eval Program: HWRecycler
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 12-09-2020
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: 2000 E 8TH ST REVIEWED RECEIVED ANNUAL MONITORING SYSTEM CERTIFICATION & SPILL BUCKET RESULTS FOR TESTING CONDUCTED ON 12/8/2020 BY RONALD FRANKLIN WITH GEORGE BRYANT CONSTRUCTION INC. CONFIRMED RESULTS WERE REQUESTED/ RECEIVED, SCANNED/DOWNLOADED AND/OR ATTACHED IN ENVISION. NO FAILURES NOTED ON THE REPORT.
Eval Division: Los Angeles City Fire Department
Eval Program: UST
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 12-11-2017
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Inspector Husband LAFD, on site this date to conduct routine inspection of underground storage tank. Consent to enter, inspect and take photographs was given on this date by RACINE WATTS Monitoring system certification (was) conducted at this time. Monitoring certification was performed by (RON FRANKLIN OF GEORGE BRYANT CONSTRUCTION). Tester provided the following certifications: ICC:

TIMES MIRROR CO, LOS ANGELES T (Continued) **S103639737**

B36408 Veeder-Root: VMI: Other: The UST monitoring panel showed all functions normal. The monitoring set up and alarm history were provided for review. The sumps and UDCs were opened for inspection and the sensors were observed positioned to detect a leak at the earliest opportunity. The spill buckets were also visually inspected. The Monitoring Plan was compared to the equipment onsite. The operation of the UST system was compared to the conditions of the operating permit. Property Owner: TRIBUNE REAL ESTATE HOLDINGS, LLC Tank Owner/ Operator: LOS ANGELES TIMES [Truncated]

Eval Division: Los Angeles City Fire Department
Eval Program: UST
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 12-14-2018
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: LAFD Inspector Christopher Young on site this date 12/14/2018 to conduct routine inspection of underground storage tank facility. Monitoring System components were observed and verified this date. Consent to enter, inspect and take photographs was given on this date by Racine Watts, Director of Environmental Health and Safety. Monitoring system certification and overfill testing were conducted at this time. Monitoring certification was performed by RONALD FRANKLIN WITH George Bryant Construction Inc, Monitoring System components were observed and verified on this date. Tester provided the following certifications: Ron Franklin ICC: ICC: 5243708 Exp: 4/21/2020 VR: B36408 Exp: 12/19/2019 The UST monitoring panel showed all functions normal. Current monitoring setup and alarm history WERE available for review. The sumps WERE available for inspection and the sensors WERE observed positioned to detect a leak at the earliest opportunity. The spill buckets WERE also [Truncated]

Eval Division: Los Angeles City Fire Department
Eval Program: UST
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 12-16-2021
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: LAFD Inspector Christopher Young on site this date 12/16/2021 to conduct routine inspection of underground storage tank facility. Monitoring System components were observed and verified this date. Consent to enter, inspect and take photographs was given on this date by Eric Gregory, Engineering Staff. Monitoring system certification was conducted at this time. Monitoring certification was performed by Ronald Franklin with George Bryant Construction Inc, Monitoring System components were observed and verified on this date. Tester provided the following certifications: Ron Franklin ICC: ICC: 5243708 Exp: 6/29/2022 VR: B36408 Exp: 10/26/2023 The UST monitoring panel showed all functions normal. Current monitoring setup and alarm history WERE available for review. The sumps WERE available for inspection and the sensors WERE observed positioned to detect a leak at the earliest opportunity. The spill buckets WERE also visually inspected. The Monitoring Plan WAS [Truncated]

Eval Division: Los Angeles City Fire Department
Eval Program: UST

TIMES MIRROR CO, LOS ANGELES T (Continued) **S103639737**

Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 12-18-2014
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Los Angeles City Fire Department
Eval Program: UST
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 12-20-2021
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Consent to enter, inspect and take photographs was given by: Diane Allen. The Business Activities, Owner/Operator Identification, Hazardous Materials Inventory, Site Map, Emergency Response/Contingency Plan and Employee Training Plan sections were reviewed in CERS and field verified. Review and correct any violations indicated previously in this report, on or before the COMPLY BY date associated with each violation. New user instructions are provided below. NOTE: The LAMC, Sections (L.A.M.C. SECTIONS 57.105.1.4; 57.120.3; 57.121.2 and 57.121.2.1.) requires businesses that store, use or handle hazardous materials in the City of Los Angeles to obtain a Consolidated Permit from the Los Angeles Fire Department CUPA**** Annual submission of a Hazardous Materials Business Plan into CERS is required between January 1 and March 1 of every year. Please remember that any change in inventory of greater than 100 percent will require new submission within 30 days of that [Truncated]
Eval Division: Los Angeles City Fire Department
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 01-23-2019
Violations Found: Yes
Eval Type: Other, not routine, done by local agency
Eval Notes: Facility has not complied with the above written violation within the 30 days. This violation has been upgraded to a CLASS II violation. Facility has 30 days to comply with the violation or this violation will be upgraded to a CLASS I which will be forwarded to my Legal unit for fine and penalty assessment. Violators can be liable for civil penalties up to $5,000 dollars per day, for each violation. HSC 25299, HSC 25270.12. REPORT IS EMAILED TO Racine Watts racine.watts@latimes.com. **********SECOND NOTICE**********
Eval Division: Los Angeles City Fire Department
Eval Program: UST
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 02-10-2022
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: 2000 E 8th St NOV follow up for facility at 2000 E 8th St. Inspector Young reviewed the facility's latest CERS UST submmittal. Facility

TIMES MIRROR CO, LOS ANGELES T (Continued) **S103639737**

corrected their tank information back on 12/17/2021, NOV was cleared posted to that date. All violations were cleared.
Eval Division: Los Angeles City Fire Department
Eval Program: UST
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 02-11-2022
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: 2000 E 8TH ST REVIEWED RECEIVED OVERFILL PREVENTION RESULTS FOR TESTING CONDUCTED ON 10/6/2021 BY RONALD FRANKLIN WITH GEORGE BRYANT CONSTRUCTION INC. CONFIRMED RESULTS WERE REQUESTED/ RECEIVED, SCANNED/DOWNLOADED AND/OR ATTACHED IN ENVISION. NO FAILURES NOTED ON THE REPORT.
Eval Division: Los Angeles City Fire Department
Eval Program: UST
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 03-13-2020
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: 2000 E 8th St NOV follow up for facility at 2000 E 8th St. Inspector Young reviewed the facility's most recent CERS submittal. Facility updated their tank information and monitoring plan, but not all of what was needed. Inspector Young emailed Racine Watts to let her know that there are still changes needed to be made.
Eval Division: Los Angeles City Fire Department
Eval Program: UST
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 03-19-2019
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: 2000 E 8th St NOV follow up for the facility at 2000 E 8th St. Facility updated their CERS submittal. Employee training was also completed. Facility still needs some updates to their monitoring plan on CERS. Inspector Young emailed racine.watts@latimes.com to let her know of the clearing of the violations and that the violations for the monitoring plan, monitoring plan on site, and the missing test results on site.
Eval Division: Los Angeles City Fire Department
Eval Program: UST
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 03-22-2017
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Michael Chavez, Manager.
Eval Division: Los Angeles County Fire Department
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection

TIMES MIRROR CO, LOS ANGELES T (Continued) **S103639737**

Eval Date: 03-31-2014
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Los Angeles City Fire Department
Eval Program: UST
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 05-15-2020
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: 2000 E 8th St NOV follow up for facility at 2000 E 8th St. Facility pulled D5 permit under record ID SR0033637 for ATG probe that was previously replaced by Ron Franklin with George Bryant Inc. Facility also fixed switch on audible/visual annunciator. Inspector Young cleared out all other violations because they were upgraded to Class II violations.
Eval Division: Los Angeles City Fire Department
Eval Program: UST
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 05-22-2020
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Paul Derderian, Maintenance Department Supervisor
Eval Division: Los Angeles County Fire Department
Eval Program: HW
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 05-23-2019
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: 2000 E 8th St NOV follow up for facility at 2000 E 8th St. Inspector Young closed out violations that should have been closed out prior. Inspector Young closed out the violation for the employee training and missing test results.
Eval Division: Los Angeles City Fire Department
Eval Program: UST
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 06-19-2020
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: 2000 E 8th St NOV follow up for facility at 2000 E 8th St. Inspector Young reviewed the facility's latest CERS UST submittal. Facility updated their tank information, monitoring plan, response plan, and certificate of financial responsibility. Facility also placed missing test results in binder on site. Inspector Young emailed Racine Watts to let her know of the clearing of all violations.
Eval Division: Los Angeles City Fire Department
Eval Program: UST
Eval Source: CERS,

TIMES MIRROR CO, LOS ANGELES T (Continued) **S103639737**

Eval General Type:	Other/Unknown
Eval Date:	08-31-2017
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	Not reported
Eval Division:	Los Angeles County Fire Department
Eval Program:	HWRecycler
Eval Source:	CERS,

Eval General Type:	Other/Unknown
Eval Date:	09-08-2017
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	Not reported
Eval Division:	Los Angeles County Fire Department
Eval Program:	HW
Eval Source:	CERS,

Eval General Type:	Other/Unknown
Eval Date:	11-22-2013
Violations Found:	Yes
Eval Type:	Other, not routine, done by local agency
Eval Notes:	Inspected by S. Phan Consent given by Michael Chavez
Eval Division:	Los Angeles County Fire Department
Eval Program:	HW
Eval Source:	CERS,

Eval General Type:	Other/Unknown
Eval Date:	12-10-2020
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	2000 E 8th St NOV follow up for facility at 2000 E 8th St. Facility sent in copy of missing 2017 SB989 test results and placed them in the binder on site. Inspector Young emailed Racine Watts to let her know of the clearing of that violation and that the others were still open.
Eval Division:	Los Angeles City Fire Department
Eval Program:	UST
Eval Source:	CERS,

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	12-11-2019
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	LAFD Inspector Christopher Young on site this date 12/11/2019 to conduct routine inspection of underground storage tank facility. Monitoring System components were observed and verified this date. Consent to enter, inspect and take photographs was given on this date by Michael Chavez, On site Manager. Monitoring system certification was conducted at this time. Monitoring certification was performed by Ronald Franklin with George Bryant Construction Inc, Monitoring System components were observed and verified on this date. Tester provided the following certifications: Ron Franklin ICC: ICC: 5243708 Exp: 4/21/2020 VR: B36408 Exp: 12/19/2019 The UST monitoring panel showed L7 trench VR 420 sensor in alarm. Current monitoring setup and alarm history WERE available for review. The sumps WERE available for inspection and the sensors WERE observed positioned to detect a leak at the earliest opportunity. The spill buckets WERE also visually

TIMES MIRROR CO, LOS ANGELES T (Continued) **S103639737**

inspected. The Monitoring [Truncated]
Eval Division: Los Angeles City Fire Department
Eval Program: UST
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 12-14-2022
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: LAFD Inspector Christopher Young on site this date 12/14/2022 to conduct routine inspection of underground storage tank facility. Monitoring System components were observed and verified this date. Consent to enter, inspect and take photographs was given on this date by Racine Watts, Env Health Director. Monitoring system certification was conducted at this time. Monitoring certification was performed by Ronald Franklin with George Bryant Construction Inc CSLB: 718466 Exp: 2/29/2024, Monitoring System components were observed and verified on this date. Tester provided the following certifications: Ron Franklin ICC: ICC: 5243708 Exp: 5/27/2024 VR: B36408 Exp: 10/26/2023 The UST monitoring panel showed ALL functions normal. Current monitoring setup and alarm history WERE available for review. The sumps WERE available for inspection and the sensors WERE observed positioned to detect a leak at the earliest opportunity. The spill buckets WERE also visually inspected. [Truncated]
Eval Division: Los Angeles City Fire Department
Eval Program: UST
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 12-17-2018
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: 2000 E 8th St Continuation of a facility inspection completed on 12/14/2018. Facility was caught tampering with a VR 420 sensor in the trench sump. The request for formal enforcement form was unable to be filled out on Friday, due to Inspector Young needing more time. Inspector Young filled out the request for formal enforcement form and uploaded the facility inspection report and pictures onto the new legal cases on the google drive.
Eval Division: Los Angeles City Fire Department
Eval Program: UST
Eval Source: CERS,

Enforcement Action:
Site ID: 573178
Site Name: LOS ANGELES TIMES - OLYMPIC
Site Address: 2000 E 8TH ST
Site City: LOS ANGELES
Site Zip: 90021
Enf Action Date: 12-14-2018
Enf Action Type: Referral to County Council or City Attorney
Enf Action Description: Referral to County Council or City Attorney
Enf Action Notes: Multiple UST violations case submitted to city attorney for enforcement. Civil complaint filed and outcome still pending.
Enf Action Division: Los Angeles City Fire Department
Enf Action Program: UST
Enf Action Source: CERS,

TIMES MIRROR CO, LOS ANGELES T (Continued) **S103639737**

Coordinates:

Site ID:	573178
Facility Name:	LOS ANGELES TIMES - OLYMPIC
Env Int Type Code:	APSA
Program ID:	10247251
Coord Name:	Not reported
Ref Point Type Desc:	Center of a facility or station.,
Latitude:	34.028980
Longitude:	-118.237760

Affiliation:

Affiliation Type Desc:	CUPA District
Entity Name:	Los Angeles City Fire Department
Entity Title:	Not reported
Affiliation Address:	200 North Main Street, Room 1780
Affiliation City:	Los Angeles
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	90012
Affiliation Phone:	(213) 978-3680,
Affiliation Type Desc:	Environmental Contact
Entity Name:	RACINE WATTS
Entity Title:	Not reported
Affiliation Address:	2000 E 8TH ST
Affiliation City:	LOS ANGELES
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	90021
Affiliation Phone:	.
Affiliation Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	Not reported
Affiliation Address:	2000 E 8TH ST
Affiliation City:	LOS ANGELES
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	90021
Affiliation Phone:	.
Affiliation Type Desc:	Legal Owner
Entity Name:	LOS ANGELES TIMES Communications, LLC
Entity Title:	Not reported
Affiliation Address:	200 E. 8th Street
Affiliation City:	LOS ANGELES
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	90021
Affiliation Phone:	(213) 237-5000,
Affiliation Type Desc:	Onsite Treatment Unit Owner Operator
Entity Name:	Jonathan Gross
Entity Title:	EHS Specialist
Affiliation Address:	Not reported
Affiliation City:	Not reported

TIMES MIRROR CO, LOS ANGELES T (Continued) **S103639737**

Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: .

Affiliation Type Desc: UST Permit Applicant
Entity Name: RACINE WATTS
Entity Title: DIR., EHS
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: (213) 237-5680,

Affiliation Type Desc: Operator
Entity Name: MARK DIAL, DIRECTOR OPERATIONS & DELIVERY
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: (626) 472-5258,

Affiliation Type Desc: UST Property Owner Name
Entity Name: ALAMEDA & 8TH OWNER LLC
Entity Title: Not reported
Affiliation Address: 450 PARK AVENUE, 4TH FL
Affiliation City: NEW YORK
Affiliation State: NY
Affiliation Country: United States
Affiliation Zip: 10022
Affiliation Phone: (213) 988-8890,

Affiliation Type Desc: Document Preparer
Entity Name: Jonathan Gross
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: .

Affiliation Type Desc: Onsite Treatment Unit Owner Operator
Entity Name: Racine Watts
Entity Title: Director, Environmental, Health
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: .

Affiliation Type Desc: Parent Corporation
Entity Name: LOS ANGELES TIMES - OLYMPIC

TIMES MIRROR CO, LOS ANGELES T (Continued) **S103639737**

Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: .

Affiliation Type Desc: Property Owner
Entity Name: ALAMEDA & 8TH OWNER LLC
Entity Title: Not reported
Affiliation Address: 450 PARK AVENUE 4TH FL
Affiliation City: NEW YORK
Affiliation State: NY
Affiliation Country: United States
Affiliation Zip: 10022
Affiliation Phone: (213) 988-8890,

Affiliation Type Desc: Identification Signer
Entity Name: RACINE WATTS
Entity Title: DIR., EHS
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: .

Affiliation Type Desc: UST Tank Operator
Entity Name: LOS ANGELES TIMES - OLYMPIC
Entity Title: Not reported
Affiliation Address: 2000 E. 8TH STREET
Affiliation City: LOS ANGELES
Affiliation State: CA
Affiliation Country: United States
Affiliation Zip: 90021
Affiliation Phone: (213) 237-5000,

Affiliation Type Desc: UST Tank Owner
Entity Name: LOS ANGELES TIMES - OLYMPIC
Entity Title: Not reported
Affiliation Address: 2000 E. 8TH STREET
Affiliation City: LOS ANGELES
Affiliation State: CA
Affiliation Country: United States
Affiliation Zip: 90021
Affiliation Phone: (213) 237-5000,

Name: LOS ANGELES TIMES COMMUNICATIONS LLC
Address: 2000 EAST 8TH STREET
City,State,Zip: LOS ANGELES, CA 90021-2474
Site ID: 478167
CERS ID: 110002877049
CERS Description: US EPA Air Emission Inventory System (EIS)

Affiliation:
Affiliation Type Desc: Environmental Contact

TIMES MIRROR CO, LOS ANGELES T (Continued) **S103639737**

Entity Name: Mary Ellen Vojtek
Entity Title: Not reported
Affiliation Address: 202 W 1ST ST 1ST FL
Affiliation City: LOSANGELES
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: .

Affiliation Type Desc: Environmental Contact
Entity Name: RACINE WATTS
Entity Title: Not reported
Affiliation Address: 2000 E 8TH ST
Affiliation City: LOSANGELES
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: .

Affiliation Type Desc: UST PO Name
Entity Name: LOS ANGELES TIMES MEDIA GRP
Entity Title: Not reported
Affiliation Address: 201 W 1ST STREET
Affiliation City: LOSANGELES
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: .

HWTS:
Name: CHEMICAL TRANSFER COMPANY
Address: 2000 E. 8TH STREET
Address 2: Not reported
City,State,Zip: LOS ANGELES, CA 90021
EPA ID: CAC003071181
Inactive Date: 09/15/2020
Create Date: 06/17/2020
Last Act Date: Not reported
Mailing Name: Not reported
Mailing Address: 11910 GREENSTONE AVENUE
Mailing Address 2: Not reported
Mailing City,State,Zip: SANTA FE SPRINGS, CA 90670
Owner Name: OSCAR RODRIGUEZ
Owner Address: 11910 GREENSTONE AVENUE
Owner Address 2: Not reported
Owner City,State,Zip: SANTA FE SPRINGS, CA 90670
Contact Name: OSCAR RODRIGUEZ
Contact Address: 11910 GREENSTONE AVENUE
Contact Address 2: Not reported
City,State,Zip: SANTA FE SPRINGS, CA 90670
Facility Status: Inactive
Facility Type: TEMPORARY
Category: STATE
Latitude: 34.029594
Longitude: -118.236618

TIMES MIRROR CO, LOS ANGELES T (Continued) **S103639737**

NAICS:

EPA ID:	CAC003071181
Create Date:	2020-06-17 11:03:13.643
NAICS Code:	99999
NAICS Description:	Not Otherwise Specified
Issued EPA ID Date:	2020-06-17 11:03:13.64300
Inactive Date:	2020-09-15 11:03:13.62700
Facility Name:	CHEMICAL TRANSFER COMPANY
Facility Address:	2000 E. 8TH STREET
Facility Address 2:	Not reported
Facility City:	LOS ANGELES
Facility County:	Not reported
Facility State:	CA
Facility Zip:	90021

V107 **LOS ANGELES TIMES - OLYMPIC** **UST** **U003780096**
SSE **2000 E 8TH ST** **N/A**
1/8-1/4 **LOS ANGELES, CA 90021**
0.169 mi.
890 ft. **Site 5 of 8 in cluster V**

Relative: **Lower**

Actual: **241 ft.**

UST:

Name:	LOS ANGELES TIMES - OLYMPIC
Address:	2000 E 8TH ST
City,State,Zip:	LOS ANGELES, CA 90021
Facility ID:	FA0019548
Permitting Agency:	Los Angeles City Fire Department
CERSID:	10247251
Latitude:	34.0289800
Longitude:	-118.237760
Owner type:	Not reported
Facility type:	Not reported
Num of inuse ust:	Not reported
Num of closed ust:	Not reported
Num of oos ust:	Not reported
Epa region:	Not reported
Tribal lands:	Not reported
Tank owner name:	Not reported
Tank owner mailing address:	Not reported
Tank owner mailing city:	Not reported
Tank owner mailing zip:	Not reported
Tank owner mailing state:	Not reported
Tank operator name:	Not reported
Tank operator mailing address:	Not reported
Tank operator mailing city:	Not reported
Tank operator mailing zip:	Not reported
Tank operator mailing state:	Not reported
Tankidnumber:	Not reported
Tank status:	Not reported
Tank configuration:	Not reported
Tank closure date:	Not reported
Tank installation date:	Not reported
Tank num of compartments:	Not reported
Tank contents:	Not reported
Tank capacity gallons:	Not reported
Tank type:	Not reported

LOS ANGELES TIMES - OLYMPIC (Continued) **U003780096**

Tank pc construction:	Not reported
Tank pwpiping construction:	Not reported
Tank piping type:	Not reported
Tank piping construction:	Not reported
Tank sacrificial anode:	Not reported
Tank cp impressed current:	Not reported
Tank cp shutoff:	Not reported
Tank alarms:	Not reported
Tank ball float:	Not reported
Tank spill bucket:	Not reported

LOS ANGELES UST:

Name:	LOS ANGELES TIMES - OLYMPIC
Address:	2000 E 8TH ST
City,State,Zip:	LOS ANGELES, CA 90021
Facility ID:	FA0019548
Last Run Date:	11/01/2022
Status:	ACTIVE

V108 **LOS ANGELES TIMES COMMUNICATIONS LLC** **SWEEPS UST** **S101584521**
SSE **2000 E 8TH ST** **CA FID UST** **N/A**
1/8-1/4 **LOS ANGELES, CA 90021** **EMI**
0.169 mi. **NPDES**
890 ft. **Site 6 of 8 in cluster V** **WDS**
CIWQS
Relative: **CERS**
Lower

Actual: **241 ft.**

SWEEPS UST:

Name:	TIMES MIRROR CO OF DELAWARE
Address:	2000 E 8TH ST
City:	LOS ANGELES
Status:	Active
Comp Number:	6347
Number:	1
Board Of Equalization:	Not reported
Referral Date:	03-09-93
Action Date:	03-09-93
Created Date:	02-29-88
Owner Tank Id:	Not reported
SWRCB Tank Id:	Not reported
Tank Status:	Not reported
Capacity:	Not reported
Active Date:	Not reported
Tank Use:	Not reported
STG:	Not reported
Content:	Not reported
Number Of Tanks:	Not reported

CA FID UST:

Facility ID:	19012300
Regulated By:	UTNKA
Regulated ID:	Not reported
Cortese Code:	Not reported
SIC Code:	Not reported
Facility Phone:	2132375841
Mail To:	Not reported
Mailing Address:	2000 E 8TH ST

LOS ANGELES TIMES COMMUNICATIONS LLC (Continued) **S101584521**

Mailing Address 2: Not reported
Mailing City,St,Zip: LOS ANGELES 900210000
Contact: Not reported
Contact Phone: Not reported
DUNs Number: Not reported
NPDES Number: Not reported
EPA ID: Not reported
Comments: Not reported
Status: Active

EMI:

Name: LOS ANGELES TIMES COMMUNICATIONS LLC
Address: 2000 E 8TH ST
City,State,Zip: LOS ANGELES, CA 90021
Year: 2002
County Code: 19
Air Basin: SC
Facility ID: 124904
Air District Name: SC
SIC Code: 2711
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 7
Reactive Organic Gases Tons/Yr: 7
Carbon Monoxide Emissions Tons/Yr: 1
NOX - Oxides of Nitrogen Tons/Yr: 1
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smllr Tons/Yr: 0

Name: LOS ANGELES TIMES COMMUNICATIONS LLC
Address: 2000 E 8TH ST
City,State,Zip: LOS ANGELES, CA 90021
Year: 2003
County Code: 19
Air Basin: SC
Facility ID: 124904
Air District Name: SC
SIC Code: 2711
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 7
Reactive Organic Gases Tons/Yr: 7
Carbon Monoxide Emissions Tons/Yr: 1
NOX - Oxides of Nitrogen Tons/Yr: 1
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smllr Tons/Yr: 0

Name: LOS ANGELES TIMES COMMUNICATIONS LLC
Address: 2000 E 8TH ST
City,State,Zip: LOS ANGELES, CA 90021
Year: 2004
County Code: 19
Air Basin: SC

LOS ANGELES TIMES COMMUNICATIONS LLC (Continued) **S101584521**

Facility ID:	124904
Air District Name:	SC
SIC Code:	2711
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Y
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	7.36135
Reactive Organic Gases Tons/Yr:	7.16
Carbon Monoxide Emissions Tons/Yr:	0.5374
NOX - Oxides of Nitrogen Tons/Yr:	0.7794
SOX - Oxides of Sulphur Tons/Yr:	0.00731
Particulate Matter Tons/Yr:	0.07033
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0.07

Name:	LOS ANGELES TIMES COMMUNICATIONS LLC
Address:	2000 E 8TH ST
City,State,Zip:	LOS ANGELES, CA 90021
Year:	2005
County Code:	19
Air Basin:	SC
Facility ID:	124904
Air District Name:	SC
SIC Code:	2711
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	6.16112
Reactive Organic Gases Tons/Yr:	4.366482352
Carbon Monoxide Emissions Tons/Yr:	.5002
NOX - Oxides of Nitrogen Tons/Yr:	.758
SOX - Oxides of Sulphur Tons/Yr:	.00997
Particulate Matter Tons/Yr:	.0845
Part. Matter 10 Micrometers and Smllr Tons/Yr:	.0839048

Name:	LOS ANGELES TIMES COMMUNICATIONS LLC
Address:	2000 E 8TH ST
City,State,Zip:	LOS ANGELES, CA 90021
Year:	2006
County Code:	19
Air Basin:	SC
Facility ID:	124904
Air District Name:	SC
SIC Code:	2711
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	5.120935369076717838
Reactive Organic Gases Tons/Yr:	5.041
Carbon Monoxide Emissions Tons/Yr:	.881
NOX - Oxides of Nitrogen Tons/Yr:	1.485
SOX - Oxides of Sulphur Tons/Yr:	.019
Particulate Matter Tons/Yr:	.278
Part. Matter 10 Micrometers and Smllr Tons/Yr:	.2342

Name:	LOS ANGELES TIMES COMMUNICATIONS LLC
Address:	2000 E 8TH ST
City,State,Zip:	LOS ANGELES, CA 90021

LOS ANGELES TIMES COMMUNICATIONS LLC (Continued) **S101584521**

Year:	2007
County Code:	19
Air Basin:	SC
Facility ID:	124904
Air District Name:	SC
SIC Code:	2711
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	5.120935369076717838
Reactive Organic Gases Tons/Yr:	5.041
Carbon Monoxide Emissions Tons/Yr:	.881
NOX - Oxides of Nitrogen Tons/Yr:	1.485
SOX - Oxides of Sulphur Tons/Yr:	.019
Particulate Matter Tons/Yr:	.278
Part. Matter 10 Micrometers and Smllr Tons/Yr:	.2342

Name:	LOS ANGELES TIMES COMMUNICATIONS LLC
Address:	2000 E 8TH ST
City,State,Zip:	LOS ANGELES, CA 90021
Year:	2008
County Code:	19
Air Basin:	SC
Facility ID:	124904
Air District Name:	SC
SIC Code:	2711
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	4.912124045564194552
Reactive Organic Gases Tons/Yr:	4.851501105
Carbon Monoxide Emissions Tons/Yr:	.16386946026
NOX - Oxides of Nitrogen Tons/Yr:	.6879332151365
SOX - Oxides of Sulphur Tons/Yr:	.00882875
Particulate Matter Tons/Yr:	.19978955
Part. Matter 10 Micrometers and Smllr Tons/Yr:	.16078955

Name:	LOS ANGELES TIMES COMMUNICATIONS LLC
Address:	2000 E 8TH ST
City,State,Zip:	LOS ANGELES, CA 90021
Year:	2012
County Code:	19
Air Basin:	SC
Facility ID:	124904
Air District Name:	SC
SIC Code:	2711
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	13.282328364
Reactive Organic Gases Tons/Yr:	13.26948
Carbon Monoxide Emissions Tons/Yr:	0.04891
NOX - Oxides of Nitrogen Tons/Yr:	0.18409
SOX - Oxides of Sulphur Tons/Yr:	0.000795469
Particulate Matter Tons/Yr:	0.14478
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0.1040581

LOS ANGELES TIMES COMMUNICATIONS LLC (Continued) **S101584521**

Name:	LOS ANGELES TIMES COMMUNICATIONS LLC
Address:	2000 E 8TH ST
City,State,Zip:	LOS ANGELES, CA 90021
Year:	2014
County Code:	19
Air Basin:	SC
Facility ID:	124904
Air District Name:	SC
SIC Code:	2711
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	11.0629805
Reactive Organic Gases Tons/Yr:	7.20926
Carbon Monoxide Emissions Tons/Yr:	0.32482
NOX - Oxides of Nitrogen Tons/Yr:	0.91568
SOX - Oxides of Sulphur Tons/Yr:	0.00337
Particulate Matter Tons/Yr:	2.10609
Part. Matter 10 Micrometers and Smllr Tons/Yr:	1.48970388

Name:	LOS ANGELES TIMES COMMUNICATIONS LLC
Address:	2000 E 8TH ST
City,State,Zip:	LOS ANGELES, CA 90021
Year:	2015
County Code:	19
Air Basin:	SC
Facility ID:	124904
Air District Name:	SC
SIC Code:	2711
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	11.672778417
Reactive Organic Gases Tons/Yr:	7.78651081
Carbon Monoxide Emissions Tons/Yr:	0.4297105
NOX - Oxides of Nitrogen Tons/Yr:	1.1751835
SOX - Oxides of Sulphur Tons/Yr:	0.00460238
Particulate Matter Tons/Yr:	2.1217975
Part. Matter 10 Micrometers and Smllr Tons/Yr:	1.50540517

Name:	LOS ANGELES TIMES COMMUNICATIONS LLC
Address:	2000 E 8TH ST
City,State,Zip:	LOS ANGELES, CA 90021
Year:	2016
County Code:	19
Air Basin:	SC
Facility ID:	124904
Air District Name:	SC
SIC Code:	2711
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	8.7267019819
Reactive Organic Gases Tons/Yr:	6.1592563
Carbon Monoxide Emissions Tons/Yr:	0.385763
NOX - Oxides of Nitrogen Tons/Yr:	1.140704
SOX - Oxides of Sulphur Tons/Yr:	0.004159715

LOS ANGELES TIMES COMMUNICATIONS LLC (Continued) **S101584521**

Particulate Matter Tons/Yr: 1.0970703
Part. Matter 10 Micrometers and Smllr Tons/Yr: 0.7874206128

Name: LOS ANGELES TIMES COMMUNICATIONS LLC
Address: 2000 E 8TH ST
City,State,Zip: LOS ANGELES, CA 90021
Year: 2019
County Code: 19
Air Basin: SC
Facility ID: 124904
Air District Name: SC
SIC Code: 2711
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 2.5771512614
Reactive Organic Gases Tons/Yr: 2.5037409
Carbon Monoxide Emissions Tons/Yr: 0.468372
NOX - Oxides of Nitrogen Tons/Yr: 0.680659
SOX - Oxides of Sulphur Tons/Yr: 0.00381231
Particulate Matter Tons/Yr: 1.090058
Part. Matter 10 Micrometers and Smllr Tons/Yr: 0.777586439

Name: LOS ANGELES TIMES COMMUNICATIONS LLC
Address: 2000 E 8TH ST
City,State,Zip: LOS ANGELES, CA 90021
Year: 2020
County Code: 19
Air Basin: SC
Facility ID: 124904
Air District Name: SC
SIC Code: 2711
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 2.0174321439
Reactive Organic Gases Tons/Yr: 1.2564846
Carbon Monoxide Emissions Tons/Yr: 0.320801
NOX - Oxides of Nitrogen Tons/Yr: 0.673684
SOX - Oxides of Sulphur Tons/Yr: 0.003481649
Particulate Matter Tons/Yr: 0.5302632
Part. Matter 10 Micrometers and Smllr Tons/Yr: 0.3802616208

NPDES:
Name: LOS ANGELES TIMES
Address: 2000 E 8TH ST
City,State,Zip: LOS ANGELES, CA 90021
Facility Status: Active
NPDES Number: CAS000001
Region: 4
Agency Number: 0
Regulatory Measure ID: 191062
Place ID: Not reported
Order Number: 97-03-DWQ
WDID: 4 19I016013
Regulatory Measure Type: Enrollee
Program Type: Industrial

LOS ANGELES TIMES COMMUNICATIONS LLC (Continued) **S101584521**

Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	08/14/2000
Termination Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Discharge Address:	2000 E 8th St
Discharge Name:	Los Angeles Times Communications LLC
Discharge City:	Los Angeles
Discharge State:	California
Discharge Zip:	90021
Status:	Not reported
Status Date:	Not reported
Operator Name:	Not reported
Operator Address:	Not reported
Operator City:	Not reported
Operator State:	Not reported
Operator Zip:	Not reported

NPDES as of 03/2018:

NPDES Number:	Not reported
Status:	Not reported
Agency Number:	Not reported
Region:	4
Regulatory Measure ID:	191062
Order Number:	Not reported
Regulatory Measure Type:	Industrial
Place ID:	Not reported
WDID:	4 19I016013
Program Type:	Not reported
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	Not reported
Discharge Address:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
Received Date:	05/09/2008
Processed Date:	08/14/2000
Status:	Active
Status Date:	08/14/2000
Place Size:	26
Place Size Unit:	Acres
Contact:	Racine Watts
Contact Title:	Not reported
Contact Phone:	213-237-5680
Contact Phone Ext:	Not reported
Contact Email:	racine.watts@latimes.com
Operator Name:	Los Angeles Times Communications LLC
Operator Address:	2000 E 8th St
Operator City:	Los Angeles
Operator State:	California
Operator Zip:	90021
Operator Contact:	Racine Watts
Operator Contact Title:	Director EHS
Operator Contact Phone:	213-237-5680
Operator Contact Phone Ext:	Not reported
Operator Contact Email:	racine.watts@latimes.com

LOS ANGELES TIMES COMMUNICATIONS LLC (Continued) **S101584521**

Operator Type:	Private Business
Developer:	Not reported
Developer Address:	Not reported
Developer City:	Not reported
Developer State:	California
Developer Zip:	Not reported
Developer Contact:	Not reported
Developer Contact Title:	Not reported
Constype Linear Utility Ind:	Not reported
Emergency Phone:	213-237-5000
Emergency Phone Ext:	Not reported
Constype Above Ground Ind:	Not reported
Constype Below Ground Ind:	Not reported
Constype Cable Line Ind:	Not reported
Constype Comm Line Ind:	Not reported
Constype Commertial Ind:	Not reported
Constype Electrical Line Ind:	Not reported
Constype Gas Line Ind:	Not reported
Constype Industrial Ind:	Not reported
Constype Other Description:	Not reported
Constype Other Ind:	Not reported
Constype Recons Ind:	Not reported
Constype Residential Ind:	Not reported
Constype Transport Ind:	Not reported
Constype Utility Description:	Not reported
Constype Utility Ind:	Not reported
Constype Water Sewer Ind:	Not reported
Dir Discharge Uswater Ind:	N
Receiving Water Name:	Los Angeles River
Certifier:	Racine Watts
Certifier Title:	Director Environmental Health Safety
Certification Date:	01-MAY-15
Primary Sic:	2711-Newspapers: Publishing, or Publishing and Printing
Secondary Sic:	Not reported
Tertiary Sic:	Not reported
NPDES Number:	CAS000001
Status:	Active
Agency Number:	0
Region:	4
Regulatory Measure ID:	191062
Order Number:	97-03-DWQ
Regulatory Measure Type:	Enrollee
Place ID:	Not reported
WDID:	4 19I016013
Program Type:	Industrial
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	08/14/2000
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	Los Angeles Times Communications LLC
Discharge Address:	2000 E 8th St
Discharge City:	Los Angeles
Discharge State:	California
Discharge Zip:	90021
Received Date:	Not reported
Processed Date:	Not reported

LOS ANGELES TIMES COMMUNICATIONS LLC (Continued) **S101584521**

Status:	Not reported
Status Date:	Not reported
Place Size:	Not reported
Place Size Unit:	Not reported
Contact:	Not reported
Contact Title:	Not reported
Contact Phone:	Not reported
Contact Phone Ext:	Not reported
Contact Email:	Not reported
Operator Name:	Not reported
Operator Address:	Not reported
Operator City:	Not reported
Operator State:	Not reported
Operator Zip:	Not reported
Operator Contact:	Not reported
Operator Contact Title:	Not reported
Operator Contact Phone:	Not reported
Operator Contact Phone Ext:	Not reported
Operator Contact Email:	Not reported
Operator Type:	Not reported
Developer:	Not reported
Developer Address:	Not reported
Developer City:	Not reported
Developer State:	Not reported
Developer Zip:	Not reported
Developer Contact:	Not reported
Developer Contact Title:	Not reported
Constype Linear Utility Ind:	Not reported
Emergency Phone:	Not reported
Emergency Phone Ext:	Not reported
Constype Above Ground Ind:	Not reported
Constype Below Ground Ind:	Not reported
Constype Cable Line Ind:	Not reported
Constype Comm Line Ind:	Not reported
Constype Commertial Ind:	Not reported
Constype Electrical Line Ind:	Not reported
Constype Gas Line Ind:	Not reported
Constype Industrial Ind:	Not reported
Constype Other Description:	Not reported
Constype Other Ind:	Not reported
Constype Recons Ind:	Not reported
Constype Residential Ind:	Not reported
Constype Transport Ind:	Not reported
Constype Utility Description:	Not reported
Constype Utility Ind:	Not reported
Constype Water Sewer Ind:	Not reported
Dir Discharge Uswater Ind:	Not reported
Receiving Water Name:	Not reported
Certifier:	Not reported
Certifier Title:	Not reported
Certification Date:	Not reported
Primary Sic:	Not reported
Secondary Sic:	Not reported
Tertiary Sic:	Not reported

Name: LOS ANGELES TIMES

LOS ANGELES TIMES COMMUNICATIONS LLC (Continued) **S101584521**

Address:	2000 E 8TH ST
City,State,Zip:	LOS ANGELES, CA 90021
Facility Status:	Not reported
NPDES Number:	Not reported
Region:	Not reported
Agency Number:	Not reported
Regulatory Measure ID:	Not reported
Place ID:	Not reported
Order Number:	Not reported
WDID:	4 19I016013
Regulatory Measure Type:	Industrial
Program Type:	Not reported
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Discharge Address:	Not reported
Discharge Name:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
Status:	Active
Status Date:	08/14/2000
Operator Name:	Los Angeles Times Communications LLC
Operator Address:	2000 E 8th St
Operator City:	Los Angeles
Operator State:	California
Operator Zip:	90021

NPDES as of 03/2018:

NPDES Number:	Not reported
Status:	Not reported
Agency Number:	Not reported
Region:	4
Regulatory Measure ID:	191062
Order Number:	Not reported
Regulatory Measure Type:	Industrial
Place ID:	Not reported
WDID:	4 19I016013
Program Type:	Not reported
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	Not reported
Discharge Address:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
Received Date:	05/09/2008
Processed Date:	08/14/2000
Status:	Active
Status Date:	08/14/2000
Place Size:	26
Place Size Unit:	Acres
Contact:	Racine Watts
Contact Title:	Not reported
Contact Phone:	213-237-5680

LOS ANGELES TIMES COMMUNICATIONS LLC (Continued) **S101584521**

Contact Phone Ext:	Not reported
Contact Email:	racine.watts@latimes.com
Operator Name:	Los Angeles Times Communications LLC
Operator Address:	2000 E 8th St
Operator City:	Los Angeles
Operator State:	California
Operator Zip:	90021
Operator Contact:	Racine Watts
Operator Contact Title:	Director EHS
Operator Contact Phone:	213-237-5680
Operator Contact Phone Ext:	Not reported
Operator Contact Email:	racine.watts@latimes.com
Operator Type:	Private Business
Developer:	Not reported
Developer Address:	Not reported
Developer City:	Not reported
Developer State:	California
Developer Zip:	Not reported
Developer Contact:	Not reported
Developer Contact Title:	Not reported
Constype Linear Utility Ind:	Not reported
Emergency Phone:	213-237-5000
Emergency Phone Ext:	Not reported
Constype Above Ground Ind:	Not reported
Constype Below Ground Ind:	Not reported
Constype Cable Line Ind:	Not reported
Constype Comm Line Ind:	Not reported
Constype Commertial Ind:	Not reported
Constype Electrical Line Ind:	Not reported
Constype Gas Line Ind:	Not reported
Constype Industrial Ind:	Not reported
Constype Other Description:	Not reported
Constype Other Ind:	Not reported
Constype Recons Ind:	Not reported
Constype Residential Ind:	Not reported
Constype Transport Ind:	Not reported
Constype Utility Description:	Not reported
Constype Utility Ind:	Not reported
Constype Water Sewer Ind:	Not reported
Dir Discharge Uswater Ind:	N
Receiving Water Name:	Los Angeles River
Certifier:	Racine Watts
Certifier Title:	Director Environmental Health Safety
Certification Date:	01-MAY-15
Primary Sic:	2711-Newspapers: Publishing, or Publishing and Printing
Secondary Sic:	Not reported
Tertiary Sic:	Not reported

NPDES Number:	CAS000001
Status:	Active
Agency Number:	0
Region:	4
Regulatory Measure ID:	191062
Order Number:	97-03-DWQ
Regulatory Measure Type:	Enrollee
Place ID:	Not reported
WDID:	4 19I016013

LOS ANGELES TIMES COMMUNICATIONS LLC (Continued) **S101584521**

Program Type:	Industrial
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	08/14/2000
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	Los Angeles Times Communications LLC
Discharge Address:	2000 E 8th St
Discharge City:	Los Angeles
Discharge State:	California
Discharge Zip:	90021
Received Date:	Not reported
Processed Date:	Not reported
Status:	Not reported
Status Date:	Not reported
Place Size:	Not reported
Place Size Unit:	Not reported
Contact:	Not reported
Contact Title:	Not reported
Contact Phone:	Not reported
Contact Phone Ext:	Not reported
Contact Email:	Not reported
Operator Name:	Not reported
Operator Address:	Not reported
Operator City:	Not reported
Operator State:	Not reported
Operator Zip:	Not reported
Operator Contact:	Not reported
Operator Contact Title:	Not reported
Operator Contact Phone:	Not reported
Operator Contact Phone Ext:	Not reported
Operator Contact Email:	Not reported
Operator Type:	Not reported
Developer:	Not reported
Developer Address:	Not reported
Developer City:	Not reported
Developer State:	Not reported
Developer Zip:	Not reported
Developer Contact:	Not reported
Developer Contact Title:	Not reported
Constype Linear Utility Ind:	Not reported
Emergency Phone:	Not reported
Emergency Phone Ext:	Not reported
Constype Above Ground Ind:	Not reported
Constype Below Ground Ind:	Not reported
Constype Cable Line Ind:	Not reported
Constype Comm Line Ind:	Not reported
Constype Commertial Ind:	Not reported
Constype Electrical Line Ind:	Not reported
Constype Gas Line Ind:	Not reported
Constype Industrial Ind:	Not reported
Constype Other Description:	Not reported
Constype Other Ind:	Not reported
Constype Recons Ind:	Not reported
Constype Residential Ind:	Not reported
Constype Transport Ind:	Not reported
Constype Utility Description:	Not reported
Constype Utility Ind:	Not reported

LOS ANGELES TIMES COMMUNICATIONS LLC (Continued) **S101584521**

Constype Water Sewer Ind:	Not reported
Dir Discharge Uswater Ind:	Not reported
Receiving Water Name:	Not reported
Certifier:	Not reported
Certifier Title:	Not reported
Certification Date:	Not reported
Primary Sic:	Not reported
Secondary Sic:	Not reported
Tertiary Sic:	Not reported

WDS:

Name:	LA TIMES OLYMPIC FACILITY
Address:	2000 E 8th St
City:	LOS ANGELES
Facility ID:	4 19I016013
Facility Type:	Other - Does not fall into the category of Municipal/Domestic, Industrial, Agricultural or Solid Waste (Class I, II or III)
Facility Status:	Active - Any facility with a continuous or seasonal discharge that is under Waste Discharge Requirements.
NPDES Number:	CAS000001 The 1st 2 characters designate the state. The remaining 7 are assigned by the Regional Board
Subregion:	4
Facility Telephone:	2132377513
Facility Contact:	Marc Harris
Agency Name:	LOS ANGELES TIMES
Agency Address:	Not reported
Agency City,St,Zip:	0
Agency Contact:	Not reported
Agency Telephone:	Not reported
Agency Type:	Private
SIC Code:	2711
SIC Code 2:	Not reported
Primary Waste Type:	Designated/Influent or Solid Wastes that pose a significant threat to water quality because of their high concentrations (E.G., BOD, Hardness, TRF, Chloride). 'Manageable' hazardous wastes (E.G., inorganic salts and heavy metals) are included in this category.
Primary Waste:	STORMS
Waste Type2:	Not reported
Waste2:	Stormwater Runoff
Primary Waste Type:	Designated/Influent or Solid Wastes that pose a significant threat to water quality because of their high concentrations (E.G., BOD, Hardness, TRF, Chloride). 'Manageable' hazardous wastes (E.G., inorganic salts and heavy metals) are included in this category.
Secondary Waste:	Not reported
Secondary Waste Type:	Not reported
Design Flow:	0
Baseline Flow:	0
Reclamation:	No reclamation requirements associated with this facility.
POTW:	The facility is not a POTW.
Treat To Water:	Minor Threat to Water Quality. A violation of a regional board order should cause a relatively minor impairment of beneficial uses compared to a major or minor threat. Not: All nurds without a TTWQ will be considered a minor threat to water quality unless coded at a higher Level. A Zero (0) may be used to code those NURDS that are found to represent no threat to water quality.
Complexity:	Category C - Facilities having no waste treatment systems, such as

LOS ANGELES TIMES COMMUNICATIONS LLC (Continued) **S101584521**

cooling water dischargers or thosewho must comply through best management practices, facilities with passive waste treatment and disposal systems, such as septic systems with subsurface disposal, or dischargers having waste storage systems with land disposal such as dairy waste ponds.

CIWQS:

Name:	LOS ANGELES TIMES
Address:	2000 E 8TH ST
City,State,Zip:	LOS ANGELES, CA 90021
Agency:	Los Angeles Times Communications LLC
Agency Address:	2000 E 8th St, Los Angeles, CA 90021
Place/Project Type:	Industrial - Newspapers: Publishing, or Publishing and Printing
SIC/NAICS:	2711
Region:	4
Program:	INDSTW
Regulatory Measure Status:	Active
Regulatory Measure Type:	Storm water industrial
Order Number:	2014-0057-DWQ
WDID:	4 19I016013
NPDES Number:	CAS000001
Adoption Date:	Not reported
Effective Date:	08/14/2000
Termination Date:	Not reported
Expiration/Review Date:	Not reported
Design Flow:	Not reported
Major/Minor:	Not reported
Complexity:	Not reported
TTWQ:	Not reported
Enforcement Actions within 5 years:	1
Violations within 5 years:	1
Latitude:	34.02982
Longitude:	-118.23748

CERS:

Name:	LOS ANGELES TIMES
Address:	2000 E 8TH ST
City,State,Zip:	LOS ANGELES, CA 90021
Site ID:	535942
CERS ID:	236037
CERS Description:	Industrial Facility Storm Water

Violations:

Site ID:	535942
Site Name:	Los Angeles Times
Violation Date:	07-01-2015
Citation:	2014-0057-DWQ - Industrial General Permit
Violation Description:	SW - Late Report
Violation Notes:	Failure to submit Annual Report 2013-14
Violation Division:	Water Boards
Violation Program:	INDSTW
Violation Source:	SMARTS,

Site ID:	535942
Site Name:	Los Angeles Times
Violation Date:	09-06-2019
Citation:	2014-0057-DWQ - Industrial General Permit

LOS ANGELES TIMES COMMUNICATIONS LLC (Continued) **S101584521**

Violation Description: SW - Late Report
Violation Notes: Late 2018-2019 annual report
Violation Division: Water Boards
Violation Program: INDSTW
Violation Source: SMARTS,

Enforcement Action:
Site ID: 535942
Site Name: Los Angeles Times
Site Address: 2000 E 8TH ST
Site City: LOS ANGELES
Site Zip: 90021
Enf Action Date: 09-06-2019
Enf Action Type: Industrial Storm Water Enforcement
Enf Action Description: Industrial Storm Water Enforcement
Enf Action Notes: Late 2018-2019 annual report
Enf Action Division: Water Boards
Enf Action Program: INDSTW
Enf Action Source: SMARTS,

Site ID: 535942
Site Name: Los Angeles Times
Site Address: 2000 E 8TH ST
Site City: LOS ANGELES
Site Zip: 90021
Enf Action Date: 09-23-2015
Enf Action Type: Industrial Storm Water Enforcement
Enf Action Description: Industrial Storm Water Enforcement
Enf Action Notes: NNC for failure to submit missing annual report 2013-14
Enf Action Division: Water Boards
Enf Action Program: INDSTW
Enf Action Source: SMARTS,

Affiliation:
Affiliation Type Desc: Owner/Operator
Entity Name: Los Angeles Times Communications LLC
Entity Title: Operator
Affiliation Address: 2000 E 8th St
Affiliation City: Los Angeles
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 90021
Affiliation Phone: .

V109 **LOS ANGELES TIMES, OLYMPIC FACILITY** **ENVIROSTOR** **S118757446**
SSE **2000 E. 8TH STREET** **N/A**
1/8-1/4 **LOS ANGELES, CA 90021**
0.169 mi.
890 ft. **Site 7 of 8 in cluster V**

Relative: ENVIROSTOR:
Lower
Name: LOS ANGELES TIMES, OLYMPIC FACILITY
Actual: Address: 2000 E. 8TH STREET
241 ft. City,State,Zip: LOS ANGELES, CA 90021
Facility ID: 71003158
Status: No Action Required

LOS ANGELES TIMES, OLYMPIC FACILITY (Continued) **S118757446**

Status Date:	Not reported
Site Code:	Not reported
Site Type:	Tiered Permit
Site Type Detailed:	Tiered Permit
Acres:	Not reported
NPL:	NO
Regulatory Agencies:	NONE SPECIFIED
Lead Agency:	NONE SPECIFIED
Program Manager:	Not reported
Supervisor:	Not reported
Division Branch:	Cleanup Chatsworth
Assembly:	53
Senate:	24
Special Program:	Not reported
Restricted Use:	NO
Site Mgmt Req:	NONE SPECIFIED
Funding:	Not reported
Latitude:	34.02898
Longitude:	-118.2377
APN:	NONE SPECIFIED
Past Use:	NONE SPECIFIED
Potential COC:	NONE SPECIFIED
Confirmed COC:	NONE SPECIFIED
Potential Description:	NONE SPECIFIED
Alias Name:	CAD983637471
Alias Type:	EPA Identification Number
Alias Name:	110002877049
Alias Type:	EPA (FRS #)
Alias Name:	71003158
Alias Type:	Envirostor ID Number

Completed Info:

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Phase I Verification
Completed Date:	12/05/1997
Comments:	Inspection report sent on 12/5/1997
Future Area Name:	Not reported
Future Sub Area Name:	Not reported
Future Document Type:	Not reported
Future Due Date:	Not reported
Schedule Area Name:	Not reported
Schedule Sub Area Name:	Not reported
Schedule Document Type:	Not reported
Schedule Due Date:	Not reported
Schedule Revised Date:	Not reported

V110 **LOS ANGELES TIMES OLYMPICFACILITY** **UST** **U004345396**
SSE **2000 E 8TH ST** **N/A**
1/8-1/4 **LOS ANGELES, CA 90021**
0.169 mi.
890 ft. **Site 8 of 8 in cluster V**

Relative: UST:
Lower

Name:	LOS ANGELES TIMES OLYMPICFACILITY
Address:	2000 E 8TH ST
City,State,Zip:	LOS ANGELES, CA 90021

Actual:
241 ft.

LOS ANGELES TIMES OLYMPICFACILITY (Continued) **U004345396**

Facility ID:	23572
Permitting Agency:	LOS ANGELES, CITY OF
CERSID:	Not reported
Latitude:	34.029548
Longitude:	-118.2348247
Owner type:	Not reported
Facility type:	Not reported
Num of inuse ust:	Not reported
Num of closed ust:	Not reported
Num of oos ust:	Not reported
Epa region:	Not reported
Tribal lands:	Not reported
Tank owner name:	Not reported
Tank owner mailing address:	Not reported
Tank owner mailing city:	Not reported
Tank owner mailing zip:	Not reported
Tank owner mailing state:	Not reported
Tank operator name:	Not reported
Tank operator mailing address:	Not reported
Tank operator mailing city:	Not reported
Tank operator mailing zip:	Not reported
Tank operator mailing state:	Not reported
Tankidnumber:	Not reported
Tank status:	Not reported
Tank configuration:	Not reported
Tank closure date:	Not reported
Tank installation date:	Not reported
Tank num of compartments:	Not reported
Tank contents:	Not reported
Tank capacity gallons:	Not reported
Tank type:	Not reported
Tank pc construction:	Not reported
Tank pwpiping construction:	Not reported
Tank piping type:	Not reported
Tank piping construction:	Not reported
Tank sacrificial anode:	Not reported
Tank cp impressed current:	Not reported
Tank cp shutoff:	Not reported
Tank alarms:	Not reported
Tank ball float:	Not reported
Tank spill bucket:	Not reported

W111 **SILVESTRE'S TRANSPORT** **RCRA NonGen / NLR** **1024798103**
NW **721 S CENTRAL** **CAL000195889**
1/8-1/4 **LOS ANGELES, CA 90021**
0.169 mi.
891 ft. **Site 1 of 3 in cluster W**

Relative: RCRA Listings:
Higher

Actual: Date Form Received by Agency:		19990224
250 ft. Handler Name:	SILVESTRE'S TRANSPORT	
Handler Address:		721 S CENTRAL
Handler City,State,Zip:		LOS ANGELES, CA 90021-0000
EPA ID:		CAL000195889
Contact Name:		SYLVESTER OBISPO\\ OWNER
Contact Address:		721 S CENTRAL
Contact City,State,Zip:		LOS ANGELES, CA 90021
Contact Telephone:		213-614-1764

SILVESTRE'S TRANSPORT (Continued) **1024798103**

Contact Fax:		000-000-0000
Contact Email:		CALLATE8@YAHOO.COM
Contact Title:		Not reported
EPA Region:		09
Land Type:		Not reported
Federal Waste Generator Description:		Not a generator, verified
Non-Notifier:		Not reported
Biennial Report Cycle:		Not reported
Accessibility:		Not reported
Active Site Indicator:		Handler Activities
State District Owner:		Not reported
State District:		Not reported
Mailing Address:		840 N SYDNEY
Mailing City,State,Zip:		LOS ANGELES, CA 90022-0000
Owner Name:	SYLVESTER OBISPO	
Owner Type:		Other
Operator Name:	SYLVESTER OBISPO\\ OWNER	
Operator Type:		Other
Short-Term Generator Activity:		No
Importer Activity:		No
Mixed Waste Generator:		No
Transporter Activity:		No
Transfer Facility Activity:		No
Recycler Activity with Storage:		No
Small Quantity On-Site Burner Exemption:		No
Smelting Melting and Refining Furnace Exemption:		No
Underground Injection Control:		No
Off-Site Waste Receipt:		No
Universal Waste Indicator:		Yes
Universal Waste Destination Facility:		Yes
Federal Universal Waste:		No
Active Site Fed-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site Converter Treatment storage and Disposal Facility:		Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site State-Reg Handler:		---
Federal Facility Indicator:		Not reported
Hazardous Secondary Material Indicator:		N
Sub-Part K Indicator:		Not reported
Commercial TSD Indicator:		No
Treatment Storage and Disposal Type:		Not reported
2018 GPRA Permit Baseline:		Not on the Baseline
2018 GPRA Renewals Baseline:		Not on the Baseline
Permit Renewals Workload Universe:		Not reported
Permit Workload Universe:		Not reported
Permit Progress Universe:		Not reported
Post-Closure Workload Universe:		Not reported
Closure Workload Universe:		Not reported
202 GPRA Corrective Action Baseline:		No
Corrective Action Workload Universe:		No
Subject to Corrective Action Universe:		No
Non-TSDFs Where RCRA CA has Been Imposed Universe:		No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:		No
TSDFs Only Subject to CA under Discretionary Auth Universe:		No
Corrective Action Priority Ranking:		No NCAPS ranking
Environmental Control Indicator:		No
Institutional Control Indicator:		No
Human Exposure Controls Indicator:		N/A

SILVESTRE'S TRANSPORT (Continued) **1024798103**

Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required: Not reported	
Handler Date of Last Change:	20180905
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name: SYLVESTER OBISPO	
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	721 S CENTRAL
Owner/Operator City,State,Zip:	LOS ANGELES, CA 90021-0000
Owner/Operator Telephone:	213-614-1764
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name: SYLVESTER OBISPO\\ OWNER	
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	721 S CENTRAL
Owner/Operator City,State,Zip:	LOS ANGELES, CA 90021
Owner/Operator Telephone:	213-614-1764
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	19990224
Handler Name: SILVESTRE`S TRANSPORT	
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

SILVESTRE'S TRANSPORT (Continued) **1024798103**

List of NAICS Codes and Descriptions:
NAICS Code: 443111
NAICS Description: HOUSEHOLD APPLIANCE STORES

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

X112 **UST** **U004299472**
NE **1292-1298 WHOLESALE ST** **N/A**
1/8-1/4 **LOS ANGELES, CA**
0.169 mi.
894 ft. **Site 1 of 3 in cluster X**

Relative: LOS ANGELES UST:
Higher Name: Not reported
Actual: Address: 1292-1298 WHOLESALE ST
251 ft. City,State,Zip: LOS ANGELES, CA
Facility ID: Not reported
Last Run Date: 01/01/1900
Status: HISTORICAL

R113 **PEARCES GARAGE INC** **HAZMAT** **S123542000**
NW **729 S CENTRAL AVE** **N/A**
1/8-1/4 **LOS ANGELES, CA 90021**
0.169 mi.
894 ft. **Site 2 of 12 in cluster R**

Relative: LOS ANGELES HM:
Higher Name: PEARCES GARAGE INC
Actual: Address: 729 S CENTRAL AVE
250 ft. City,State,Zip: LOS ANGELES, CA 90021
Facility ID: FA0002090
Last Run Date: 11/01/2022
Status: INACTIVE

R114 **PEARCE'S GARAGE INC** **RCRA NonGen / NLR** **1000354363**
NW **729 SO CENTRAL AVE** **FINDS** **CAD981677677**
1/8-1/4 **LOS ANGELES, CA 90021** **ECHO**
0.169 mi.
894 ft. **Site 3 of 12 in cluster R**

Relative: RCRA Listings:
Higher Date Form Received by Agency: 19940324
Actual: Handler Name: PEARCE'S GARAGE INC
250 ft. Handler Address: 729 SO CENTRAL AVE
Handler City,State,Zip: LOS ANGELES, CA 90021
EPA ID: CAD981677677
Contact Name: RICHARD PEARCE
Contact Address: 915 E 4TH ST

PEARCE'S GARAGE INC (Continued) **1000354363**

Contact City,State,Zip:		LOS ANGELES, CA 90013
Contact Telephone:		213-625-1632
Contact Fax:		Not reported
Contact Email:		Not reported
Contact Title:		Not reported
EPA Region:		09
Land Type:		Not reported
Federal Waste Generator Description:		Not a generator, verified
Non-Notifier:		Not reported
Biennial Report Cycle:		Not reported
Accessibility:		Not reported
Active Site Indicator:		Not reported
State District Owner:		CA
State District:		4R
Mailing Address:		E 4TH ST
Mailing City,State,Zip:		LOS ANGELES, CA 90013
Owner Name:	RICHARD G PEARCE	
Owner Type:		Private
Operator Name:	NOT REQUIRED	
Operator Type:		Private
Short-Term Generator Activity:		No
Importer Activity:		No
Mixed Waste Generator:		No
Transporter Activity:		No
Transfer Facility Activity:		No
Recycler Activity with Storage:		No
Small Quantity On-Site Burner Exemption:		No
Smelting Melting and Refining Furnace Exemption:		No
Underground Injection Control:		No
Off-Site Waste Receipt:		No
Universal Waste Indicator:		No
Universal Waste Destination Facility:		No
Federal Universal Waste:		No
Active Site Fed-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site Converter Treatment storage and Disposal Facility:		Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site State-Reg Handler:		---
Federal Facility Indicator:		Not reported
Hazardous Secondary Material Indicator:		NN
Sub-Part K Indicator:		Not reported
Commercial TSD Indicator:		No
Treatment Storage and Disposal Type:		Not reported
2018 GPRA Permit Baseline:		Not on the Baseline
2018 GPRA Renewals Baseline:		Not on the Baseline
Permit Renewals Workload Universe:		Not reported
Permit Workload Universe:		Not reported
Permit Progress Universe:		Not reported
Post-Closure Workload Universe:		Not reported
Closure Workload Universe:		Not reported
202 GPRA Corrective Action Baseline:		No
Corrective Action Workload Universe:		No
Subject to Corrective Action Universe:		No
Non-TSDFs Where RCRA CA has Been Imposed Universe:		No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:		No
TSDFs Only Subject to CA under Discretionary Auth Universe:		No
Corrective Action Priority Ranking:		No NCAPS ranking
Environmental Control Indicator:		No

PEARCE'S GARAGE INC (Continued) **1000354363**

Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required: Not reported	
Handler Date of Last Change:	20000915
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	Not reported
Manifest Broker:	Not reported
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name: RICHARD G PEARCE	
Legal Status:	Private
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	NOT REQUIRED
Owner/Operator City,State,Zip:	NOT REQUIRED, ME 99999
Owner/Operator Telephone:	415-555-1212
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name: NOT REQUIRED	
Legal Status:	Private
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	NOT REQUIRED
Owner/Operator City,State,Zip:	NOT REQUIRED, ME 99999
Owner/Operator Telephone:	415-555-1212
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	19940324
Handler Name: PEARCE'S GARAGE INC	
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	CA
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes

PEARCE'S GARAGE INC (Continued) **1000354363**

Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Codes: No NAICS Codes Found

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

FINDS:
Registry ID: 110002747868

Click Here for FRS Facility Detail Report:

Environmental Interest/Information System:
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:
Envid: 1000354363
Registry ID: 110002747868
DFR URL: http://echo.epa.gov/detailed-facility-report?fid=110002747868
Name: PEARCE'S GARAGE INC
Address: 729 SO CENTRAL AVE
City,State,Zip: LOS ANGELES, CA 90021

Y115 **ALLIED REFRIGERATION BRANCH #13** **HAZMAT** **S123552695**
SSW **917 E MCGARRY ST** **N/A**
1/8-1/4 **LOS ANGELES, CA 90021**
0.169 mi.
894 ft. **Site 1 of 3 in cluster Y**

Relative: LOS ANGELES HM:
Lower Name: ALLIED REFRIGERATION BRANCH #13
Actual: Address: 917 E MCGARRY ST
242 ft. City,State,Zip: LOS ANGELES, CA 90021
Facility ID: FA0040390
Last Run Date: 11/01/2022
Status: ACTIVE

R116
NW
1/8-1/4
0.170 mi.
895 ft.

731 S CENTRAL AVE
LOS ANGELES, CA

Site 4 of 12 in cluster R

UST **U004304264**
N/A

Relative:
Higher

Actual:
250 ft.

LOS ANGELES UST:

Name:	Not reported
Address:	731 S CENTRAL AVE
City,State,Zip:	LOS ANGELES, CA
Facility ID:	Not reported
Last Run Date:	01/01/1900
Status:	HISTORICAL

Y117
SSW
1/8-1/4
0.171 mi.
902 ft.

J&J DIESEL
919 MC GARRY
LOS ANGELES, CA 90021

Site 2 of 3 in cluster Y

RCRA-SQG **1000110728**
FINDS **CAD981634629**
ECHO

Relative:
Lower

Actual:
242 ft.

RCRA Listings:

Date Form Received by Agency:		19861212
Handler Name:	J&J DIESEL	
Handler Address:		919 MC GARRY
Handler City,State,Zip:		LOS ANGELES, CA 90021
EPA ID:		CAD981634629
Contact Name:		ENVIRONMENTAL MANAGER
Contact Address:		919 MC GARRY
Contact City,State,Zip:		LOS ANGELES, CA 90021
Contact Telephone:		213-489-1440
Contact Fax:		Not reported
Contact Email:		Not reported
Contact Title:		Not reported
EPA Region:		09
Land Type:		Not reported
Federal Waste Generator Description:		Small Quantity Generator
Non-Notifier:		Not reported
Biennial Report Cycle:		Not reported
Accessibility:		Not reported
Active Site Indicator:		Handler Activities
State District Owner:		CA
State District:		4R
Mailing Address:		MC GARRY
Mailing City,State,Zip:		LOS ANGELES, CA 90021
Owner Name:	JOE VELASCO	
Owner Type:		Private
Operator Name:	NOT REQUIRED	
Operator Type:		Private
Short-Term Generator Activity:		No
Importer Activity:		No
Mixed Waste Generator:		No
Transporter Activity:		No
Transfer Facility Activity:		No
Recycler Activity with Storage:		No
Small Quantity On-Site Burner Exemption:		No
Smelting Melting and Refining Furnace Exemption:		No
Underground Injection Control:		No
Off-Site Waste Receipt:		No
Universal Waste Indicator:		No
Universal Waste Destination Facility:		No

J&J DIESEL (Continued) **1000110728**

Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	NN
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required: Not reported	
Handler Date of Last Change:	20000915
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	Not reported
Manifest Broker:	Not reported
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Operator
Owner/Operator Name: NOT REQUIRED	
Legal Status:	Private
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	NOT REQUIRED
Owner/Operator City,State,Zip:	NOT REQUIRED, ME 99999
Owner/Operator Telephone:	415-555-1212
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

J&J DIESEL (Continued) **1000110728**

Owner/Operator Indicator: Owner
Owner/Operator Name: JOE VELASCO
Legal Status: Private
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: NOT REQUIRED
Owner/Operator City,State,Zip: NOT REQUIRED, ME 99999
Owner/Operator Telephone: 415-555-1212
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:
Receive Date: 19861212
Handler Name: J&J DIESEL
Federal Waste Generator Description: Small Quantity Generator
State District Owner: CA
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Codes: No NAICS Codes Found

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

FINDS:
Registry ID: 110002732222

Click Here for FRS Facility Detail Report:

Environmental Interest/Information System:
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:
Envid: 1000110728
Registry ID: 110002732222
DFR URL: http://echo.epa.gov/detailed-facility-report?fid=110002732222

J&J DIESEL (Continued) **1000110728**

Name: J&J DIESEL
Address: 919 MC GARRY
City,State,Zip: LOS ANGELES, CA 90021

Z118 **LA WHOLESALE PRODUCE MARKET LLC** **RCRA NonGen / NLR** **1025866379**
SW **1601 E OLYMPIC BLVD STE 360** **CAL000222507**
1/8-1/4 **LOS ANGELES, CA 90021**
0.171 mi.
905 ft. **Site 1 of 7 in cluster Z**

Relative: **Lower**
Actual: **242 ft.**

RCRA Listings:

Date Form Received by Agency:		20211008
Handler Name:	LA WHOLESALE PRODUCE MARKET LLC	
Handler Address:		1601 E OLYMPIC BLVD STE 360
Handler City,State,Zip:		LOS ANGELES, CA 90021
EPA ID:		CAL000222507
Contact Name:		DEZIE CORREA
Contact Address:		E OLYMPIC BLVD
Contact City,State,Zip:		LOS ANGELES, CA 90021
Contact Telephone:		213-896-4070
Contact Fax:		213-896-4077
Contact Email:		FRUITSVEG86@YAHOO.COM
Contact Title:		Not reported
EPA Region:		09
Land Type:		Not reported
Federal Waste Generator Description:		Not a generator, verified
Non-Notifier:		Not reported
Biennial Report Cycle:		Not reported
Accessibility:		Not reported
Active Site Indicator:		Handler Activities
State District Owner:		Not reported
State District:		Not reported
Mailing Address:		E OLYMPIC BLVD #360
Mailing City,State,Zip:		LOS ANGELES, CA 90021
Owner Name:	Not reported	
Owner Type:		Not reported
Operator Name:	THE LA WHOLESALE PRODUCE MKT LLC	
Operator Type:		Other
Short-Term Generator Activity:		No
Importer Activity:		No
Mixed Waste Generator:		No
Transporter Activity:		No
Transfer Facility Activity:		No
Recycler Activity with Storage:		Yes
Small Quantity On-Site Burner Exemption:		No
Smelting Melting and Refining Furnace Exemption:		No
Underground Injection Control:		No
Off-Site Waste Receipt:		No
Universal Waste Indicator:		Yes
Universal Waste Destination Facility:		Yes
Federal Universal Waste:		No
Active Site Fed-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site Converter Treatment storage and Disposal Facility:		Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site State-Reg Handler:		---
Federal Facility Indicator:		Not reported
Hazardous Secondary Material Indicator:		N
Sub-Part K Indicator:		Not reported

LA WHOLESALE PRODUCE MARKET LLC (Continued) **1025866379**

Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required: Not reported	
Handler Date of Last Change:	20211013
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name:	THE LA WHOLESALE PRODUCE MKT
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	1601 E OLYMPIC BLVD STE 360
Owner/Operator City,State,Zip:	LOS ANGELES, CA 90021-0000
Owner/Operator Telephone:	213-896-4070
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name:	DEZIE MORALES-ADMIN ASST
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	1601 E OLYMPIC BLVD STE 360
Owner/Operator City,State,Zip:	LOS ANGELES, CA 90021-0000

LA WHOLESALE PRODUCE MARKET LLC (Continued) **1025866379**

Owner/Operator Telephone: 213-896-4070
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator
Owner/Operator Name: THE LA WHOLESALE PRODUCE MKT LLC
Legal Status: Other
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: 1601 E OLYMPIC BLVD #360
Owner/Operator City,State,Zip: LOS ANGELES, CA 90021
Owner/Operator Telephone: 213-896-4070
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: 213-896-4077
Owner/Operator Email: Not reported

Historic Generators:
Receive Date: 20020311
Handler Name: THE LOS ANGELES WHOLESALE PRODUCE MARKET LLC
Federal Waste Generator Description: Not a generator, verified
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: Not reported
Recognized Trader Exporter: Not reported
Spent Lead Acid Battery Importer: Not reported
Spent Lead Acid Battery Exporter: Not reported
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20211008
Handler Name: LA WHOLESALE PRODUCE MARKET LLC
Federal Waste Generator Description: Not a generator, verified
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: No
Electronic Manifest Broker: No

List of NAICS Codes and Descriptions:
NAICS Code: 44523
NAICS Description: FRUIT AND VEGETABLE RETAILERS

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

Z119 **1601 EAST OLYMPIC BLVD.** **US BROWNFIELDS** **1016351137**
SW **1601 EAST OLYMPIC BLVD.** **FINDS** **N/A**
1/8-1/4 **LOS ANGELES, CA 90021**
0.171 mi.
905 ft. **Site 2 of 7 in cluster Z**

Relative: US BROWNFIELDS:
Lower

Actual:
242 ft.

Name:	1601 EAST OLYMPIC BLVD.
Address:	1601 EAST OLYMPIC BLVD.
City,State,Zip:	LOS ANGELES, CA 90021
Recipient Name:	Los Angeles, City of
Grant Type:	Assessment
Property Number:	-
Parcel size:	-
Latitude:	34.030148
Longitude:	-118.241653
HCM Label:	-
Map Scale:	-
Point of Reference:	-
Highlights:	Former Use: Produce market
Datum:	-
Acres Property ID:	11450
IC Data Access:	-
Start Date:	-
Redev Completition Date:	-
Completed Date:	-
Acres Cleaned Up:	-
Cleanup Funding:	-
Cleanup Funding Source:	-
Assessment Funding:	-
Assessment Funding Source:	-
Redevelopment Funding:	-
Redev. Funding Source:	-
Redev. Funding Entity Name:	-
Redevelopment Start Date:	-
Assessment Funding Entity:	-
Cleanup Funding Entity:	-
Grant Type:	-
Accomplishment Type:	Phase I Environmental Assessment
Accomplishment Count:	N
Cooperative Agreement Number:	98912501
Start Date:	12/31/2002
Ownership Entity:	-
Completion Date:	12/31/2002
Current Owner:	-
Did Owner Change:	-
Cleanup Required:	-
Video Available:	-
Photo Available:	-
Institutional Controls Required:	-
IC Category Proprietary Controls:	-
IC Cat. Info. Devices:	-
IC Cat. Gov. Controls:	-
IC Cat. Enforcement Permit Tools:	-
IC in place date:	-
IC in place:	U
State/tribal program date:	-
State/tribal program ID:	-
State/tribal NFA date:	-

1601 EAST OLYMPIC BLVD. (Continued) **1016351137**

Air cleaned:	-
Asbestos found:	-
Asbestos cleaned:	-
Controled substance found:	-
Controled substance cleaned:	-
Drinking water affected:	-
Drinking water cleaned:	-
Groundwater affected:	-
Groundwater cleaned:	-
Lead contaminant found:	-
Lead cleaned up:	-
No media affected:	-
Unknown media affected:	-
Other cleaned up:	-
Other metals found:	-
Other metals cleaned:	-
Other contaminants found:	-
Other contams found description:	-
PAHs found:	-
PAHs cleaned up:	-
PCBs found:	-
PCBs cleaned up:	-
Petro products found:	-
Petro products cleaned:	-
Sediments found:	-
Sediments cleaned:	-
Soil affected:	-
Soil cleaned up:	-
Surface water cleaned:	-
VOCs found:	-
VOCs cleaned:	-
Cleanup other description:	-
Num. of cleanup and re-dev. jobs:	-
Past use greenspace acreage:	-
Past use residential acreage:	-
Surface Water:	-
Past use commercial acreage:	-
Past use industrial acreage:	-
Future use greenspace acreage:	-
Future use residential acreage:	-
Future use commercial acreage:	-
Future use industrial acreage:	-
Superfund Fed. landowner flag:	-
Arsenic cleaned up:	-
Cadmium cleaned up:	-
Chromium cleaned up:	-
Copper cleaned up:	-
Iron cleaned up:	-
mercury cleaned up:	-
Nickel Cleaned Up:	-
No clean up:	-
Pesticides cleaned up:	-
Selenium cleaned up:	-
SVOCs cleaned up:	-
Unknown clean up:	-
Arsenic contaminant found:	-
Cadmium contaminant found:	-

1601 EAST OLYMPIC BLVD. (Continued) **1016351137**

Chromium contaminant found:	-
Copper contaminant found:	-
Iron contaminant found:	-
Mercury contaminant found:	-
Nickel contaminant found:	-
No contaminant found:	-
Pesticides contaminant found:	-
Selenium contaminant found:	-
SVOCs contaminant found:	-
Unknown contaminant found:	-
Future Use: Multistory	-
Media affected Bluiding Material:	-
Media affected indoor air:	-
Building material media cleaned up:	-
Indoor air media cleaned up:	-
Unknown media cleaned up:	-
Past Use: Multistory	-
Property Description:	Produce market
Below Poverty Number:	202
Below Poverty Percent:	37.97
Meidan Income:	1503
Meidan Income Number:	383
Meidan Income Percent:	71.99
Vacant Housing Number:	119
Vacant Housing Percent:	25.74
Unemployed Number:	39
Unemployed Percent:	7.33

FINDS:
Registry ID: 110039532182

Click Here for FRS Facility Detail Report:

Environmental Interest/Information System:
US EPA Assessment, Cleanup and Redevelopment Exchange System (ACRES) is an federal online database for Brownfields Grantees to electronically submit data directly to EPA.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

Z120 **AMERICAN PRODUCE CO** **UST** **U004306746**
SW **1601 E OLYMPIC BLVD** **N/A**
1/8-1/4 **LOS ANGELES, CA 90021**
0.171 mi.
905 ft. **Site 3 of 7 in cluster Z**

Relative: LOS ANGELES UST:
Lower

Name:	AMERICAN PRODUCE CO
Address:	1601 E OLYMPIC BLVD
City,State,Zip:	LOS ANGELES, CA 90021
Facility ID:	FA0022538
Last Run Date:	11/01/2022
Status:	INACTIVE

Actual:
242 ft.

Z121 **THE LOS ANGELES WHOLESALE PRODUCE MARKET LLC** **HAZNET S113112295**
SW **1601 E OLYMPIC BLVD STE 360** **HAZMAT N/A**
1/8-1/4 **LOS ANGELES, CA 90021** **CERS**
0.171 mi. **HWTS**
905 ft. **Site 4 of 7 in cluster Z**

Relative: **Lower**

Actual: **242 ft.**

HAZNET:

Name:	THE LOS ANGELES WHOLESALE PRODUCE MARKET LLC
Address:	1601 E OLYMPIC BLVD STE 360
Address 2:	Not reported
City,State,Zip:	LOS ANGELES, CA 900210000
Contact:	DEZIE MORALES-ADMIN ASST
Telephone:	2138964070
Mailing Name:	Not reported
Mailing Address:	1601 E OLYMPIC BLVD STE 360
Year:	2018
Gepaid:	CAL000222507
TSD EPA ID:	CAT080013352
CA Waste Code:	221 - Waste oil and mixed oil
Disposal Method:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Tons:	0.00000
Year:	2018
Gepaid:	CAL000222507
TSD EPA ID:	CAT080013352
CA Waste Code:	214 - Unspecified solvent mixture
Disposal Method:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Tons:	0.59400
Year:	2013
Gepaid:	CAL000222507
TSD EPA ID:	CAT080013352
CA Waste Code:	214 - Unspecified solvent mixture
Disposal Method:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Tons:	0.396
Year:	2011
Gepaid:	CAL000222507
TSD EPA ID:	CAT080013352
CA Waste Code:	214 - Unspecified solvent mixture
Disposal Method:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Tons:	0.36
Year:	2010
Gepaid:	CAL000222507
TSD EPA ID:	CAT080013352
CA Waste Code:	214 - Unspecified solvent mixture
Disposal Method:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Tons:	0.324
Year:	2009
Gepaid:	CAL000222507
TSD EPA ID:	CAD008302903
CA Waste Code:	214 - Unspecified solvent mixture
Disposal Method:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Tons:	0.18

THE LOS ANGELES WHOLESALE PRODUCE MARKET LLC (Continued) **S113112295**

Year:	2007
Gepaid:	CAL000222507
TSD EPA ID:	CAD088252405
CA Waste Code:	331 - Off-specification, aged or surplus organics
Disposal Method:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Tons:	0.264

Year:	2004
Gepaid:	CAL000222507
TSD EPA ID:	CAT080013352
CA Waste Code:	212 - Oxygenated solvents (acetone, butanol, ethyl acetate, etc.)
Disposal Method:	R01 - Recycler
Tons:	0.5445

Year:	2003
Gepaid:	CAL000222507
TSD EPA ID:	CAD008252405
CA Waste Code:	214 - Unspecified solvent mixture
Disposal Method:	-
Tons:	0.18

Year:	2003
Gepaid:	CAL000222507
TSD EPA ID:	CAT080013352
CA Waste Code:	212 - Oxygenated solvents (acetone, butanol, ethyl acetate, etc.)
Disposal Method:	R01 - Recycler
Tons:	0.1815

Click this hyperlink while viewing on your computer to access additional CA HAZNET: detail in the EDR Site Report.

Additional Info:

Year:	2013
Gen EPA ID:	CAL000222507
Shipment Date:	20130415
Creation Date:	6/27/2013 22:15:06
Receipt Date:	20130425
Manifest ID:	005310260FLE
Trans EPA ID:	CAR000075424
Trans Name:	ENVIRO-GUARD
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	DEMENNO/KERDOON
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	214 - Unspecified solvent mixture
RCRA Code:	F005
Meth Code:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons:	0.396
Waste Quantity:	110
Quantity Unit:	G
Additional Code 1:	F003
Additional Code 2:	D001
Additional Code 3:	Not reported

THE LOS ANGELES WHOLESALE PRODUCE MARKET LLC (Continued) **S113112295**

Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2011
Gen EPA ID:	CAL000222507
Shipment Date:	20110720
Creation Date:	10/1/2011 18:30:14
Receipt Date:	20110720
Manifest ID:	003909267FLE
Trans EPA ID:	CAR000075424
Trans Name:	ENVIRO-GUARD
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	DEMENNO/KERDOON
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	214 - Unspecified solvent mixture
RCRA Code:	F005
Meth Code:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons:	0.36
Waste Quantity:	100
Quantity Unit:	G
Additional Code 1:	F003
Additional Code 2:	D001
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2010
Gen EPA ID:	CAL000222507
Shipment Date:	20100930
Creation Date:	12/30/2010 18:30:17
Receipt Date:	20100930
Manifest ID:	003055892FLE
Trans EPA ID:	CAR000075424
Trans Name:	ENVIRO-GUARD
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	DEMENNO/KERDOON
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	214 - Unspecified solvent mixture
RCRA Code:	F005
Meth Code:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons:	0.324
Waste Quantity:	90
Quantity Unit:	G
Additional Code 1:	F003
Additional Code 2:	D001
Additional Code 3:	Not reported

THE LOS ANGELES WHOLESALE PRODUCE MARKET LLC (Continued) **S113112295**

Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2009
Gen EPA ID:	CAL000222507
Shipment Date:	20090804
Creation Date:	9/9/2009 18:30:30
Receipt Date:	20090811
Manifest ID:	002278331FLE
Trans EPA ID:	CAR000075424
Trans Name:	ENVIRO-GUARD
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008302903
Trans Name:	VEOLIA ES TECHNICAL SOLUTIONS ENVIRONMENTAL
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	214 - Unspecified solvent mixture
RCRA Code:	D001
Meth Code:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons:	0.18
Waste Quantity:	50
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2007
Gen EPA ID:	CAL000222507
Shipment Date:	20070116
Creation Date:	10/8/2007 18:30:08
Receipt Date:	20070116
Manifest ID:	002719581JJK
Trans EPA ID:	CAR000018168
Trans Name:	CALIFORNIA CLEAN UP ENVRONMENTAL SVC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD088252405
Trans Name:	PACIFIC RESOURCE RECOVERY
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	D001
Meth Code:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons:	0.264
Waste Quantity:	80
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported

THE LOS ANGELES WHOLESALE PRODUCE MARKET LLC (Continued) **S113112295**

Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2004
Gen EPA ID:	CAL000222507
Shipment Date:	20040913
Creation Date:	12/21/2004 18:30:50
Receipt Date:	20040913
Manifest ID:	20866613
Trans EPA ID:	CAR000018168
Trans Name:	CALIFORNIA CLEAN UP ENVIRONMENTAL SVC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	DEMENNO/KERDOON
TSDF Alt EPA ID:	CAT080013352
TSDF Alt Name:	Not reported
Waste Code Description:	212 - Oxygenated solvents (acetone, butanol, ethyl acetate, etc.
RCRA Code:	D001
Meth Code:	R01 - Recycler
Quantity Tons:	0.363
Waste Quantity:	110
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20040329
Creation Date:	10/14/2004 7:35:58
Receipt Date:	20040329
Manifest ID:	20866483
Trans EPA ID:	CAR000018168
Trans Name:	CALIFORNIA CLEAN UP ENVIRONMENTAL SERVICES
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	DEMENNO/KERDOON
TSDF Alt EPA ID:	CAT080013352
TSDF Alt Name:	Not reported
Waste Code Description:	212 - Oxygenated solvents (acetone, butanol, ethyl acetate, etc.
RCRA Code:	D001
Meth Code:	R01 - Recycler
Quantity Tons:	0.1815
Waste Quantity:	55
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

THE LOS ANGELES WHOLESALE PRODUCE MARKET LLC (Continued) **S113112295**

Year:	2003
Gen EPA ID:	CAL000222507
Shipment Date:	20031121
Creation Date:	8/30/2004 14:52:16
Receipt Date:	20031121
Manifest ID:	20866479
Trans EPA ID:	CAR000018168
Trans Name:	CALIFORNIA CLEAN UP ENVIRONMENTAL SVC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	DEMENNO / KERDOON
TSDF Alt EPA ID:	CAT080013352
TSDF Alt Name:	Not reported
Waste Code Description:	212 - Oxygenated solvents (acetone, butanol, ethyl acetate, etc.
RCRA Code:	D001
Meth Code:	R01 - Recycler
Quantity Tons:	0.1815
Waste Quantity:	55
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20030912
Creation Date:	5/20/2004 15:32:09
Receipt Date:	Not reported
Manifest ID:	21883747
Trans EPA ID:	CAD072953771
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008252405
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	214 - Unspecified solvent mixture
RCRA Code:	D001
Meth Code:	- Not reported
Quantity Tons:	0.18
Waste Quantity:	50
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

LOS ANGELES HM:

Name:	LOS ANGELES WHOLESALE PRODUCE MARKE
Address:	1601 E OLYMPIC BLVD
City,State,Zip:	LOS ANGELES, CA 90021
Facility ID:	FA0035636
Last Run Date:	11/01/2022

THE LOS ANGELES WHOLESALE PRODUCE MARKET LLC (Continued) **S113112295**

Status: INACTIVE

Name: AMERICAN PRODUCE CO
Address: 1601 E OLYMPIC BLVD
City,State,Zip: LOS ANGELES, CA 90021
Facility ID: FA0022538
Last Run Date: 11/01/2022
Status: INACTIVE

Name: LOS ANGELES PRODUCE DISTR
Address: 1601 E OLYMPIC BLVD # 100
City,State,Zip: LOS ANGELES, CA 90021
Facility ID: FA0032457
Last Run Date: 11/01/2022
Status: INACTIVE

Name: TITO'S PRODUCE
Address: 1601 E OLYMPIC BLVD ST 206
City,State,Zip: LOS ANGELES, CA 90021
Facility ID: FA0025547
Last Run Date: 11/01/2022
Status: ACTIVE

Name: LOS ANGELES PRODUCE DISTR
Address: 1601 E OLYMPIC BLVD # 100
City,State,Zip: LOS ANGELES, CA 90021
Facility ID: FA0032457
Last Run Date: 11/01/2022
Status: ACTIVE

CERS:
Name: COAST PRODUCE CO.
Address: 1601 E OLYMPIC BLVD STE 206
City,State,Zip: LOS ANGELES, CA 90021
Site ID: 575384
CERS ID: 10676053
CERS Description: Chemical Storage Facilities

Violations:
Site ID: 575384
Site Name: Coast Produce Co.
Violation Date: 02-04-2019
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description: Failure to complete and electronically submit a site map with all required content.
Violation Notes: Returned to compliance on 03/05/2019. Review, update and resubmit the site map in CERS to include the following required missing elements; Evacuation Staging Area. You can download detailed SITE MAP INSTRUCTIONS in the Hazardous Materials Business Plan (HMBP) Section using the following link https://www.lafd.org/fire-prevention/cupa/documents-forms
Violation Division: Los Angeles City Fire Department
Violation Program: HMRRP
Violation Source: CERS,

Site ID: 575384

THE LOS ANGELES WHOLESALE PRODUCE MARKET LLC (Continued) **S113112295**

Site Name:	Coast Produce Co.
Violation Date:	05-18-2016
Citation:	HSC 6.95 25508.2 - California Health and Safety Code, Chapter 6.95, Section(s) 25508.2
Violation Description:	Failure to annually review and electronically certify that the business plan is complete, accurate, and up-to-date.
Violation Notes:	Returned to compliance on 03/05/2019.
Violation Division:	Los Angeles City Fire Department
Violation Program:	HMRRP
Violation Source:	CERS,
Site ID:	575384
Site Name:	Coast Produce Co.
Violation Date:	05-18-2016
Citation:	HSC 6.95 25505.1 - California Health and Safety Code, Chapter 6.95, Section(s) 25505.1
Violation Description:	Failure to notify property owner in writing that the business is subject to the business plan program and has complied with its provisions.
Violation Notes:	Returned to compliance on 03/05/2019.
Violation Division:	Los Angeles City Fire Department
Violation Program:	HMRRP
Violation Source:	CERS,
Site ID:	575384
Site Name:	Coast Produce Co.
Violation Date:	05-18-2016
Citation:	HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description:	Failure to complete and electronically submit hazardous material inventory information for all reportable hazardous materials on site at or above reportable quantities.
Violation Notes:	Returned to compliance on 03/05/2019.
Violation Division:	Los Angeles City Fire Department
Violation Program:	HMRRP
Violation Source:	CERS,
Site ID:	575384
Site Name:	Coast Produce Co.
Violation Date:	05-18-2016
Citation:	HSC 6.95 25508(d) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(d)
Violation Description:	Failure to complete and/or electronically submit a business plan when storing/handling a hazardous material at or above reportable quantities.
Violation Notes:	Returned to compliance on 03/05/2019.
Violation Division:	Los Angeles City Fire Department
Violation Program:	HMRRP
Violation Source:	CERS,
Site ID:	575384
Site Name:	Coast Produce Co.
Violation Date:	05-18-2016
Citation:	HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description:	Failure to establish and electronically submit an adequate training program in safety procedures in the event of a release or threatened

THE LOS ANGELES WHOLESALE PRODUCE MARKET LLC (Continued) **S113112295**

release of a hazardous material.
Violation Notes: Returned to compliance on 03/05/2019.
Violation Division: Los Angeles City Fire Department
Violation Program: HMRRP
Violation Source: CERS,

Site ID: 575384
Site Name: Coast Produce Co.
Violation Date: 05-18-2016
Citation: HSC 6.95 25508.1(f) - California Health and Safety Code, Chapter 6.95, Section(s) 25508.1(f)
Violation Description: Failure to electronically update the business plan within 30 days of a substantial change.
Violation Notes: Returned to compliance on 03/05/2019.
Violation Division: Los Angeles City Fire Department
Violation Program: HMRRP
Violation Source: CERS,

Site ID: 575384
Site Name: Coast Produce Co.
Violation Date: 05-18-2016
Citation: 19 CCR 6.95 25508(a)(1) - California Code of Regulations, Title 19, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description: Failure to complete and electronically submit the Business Activities Page and/or Business Owner Operator Identification Page.
Violation Notes: Returned to compliance on 03/05/2019.
Violation Division: Los Angeles City Fire Department
Violation Program: HMRRP
Violation Source: CERS,

Site ID: 575384
Site Name: Coast Produce Co.
Violation Date: 05-18-2016
Citation: HSC 6.95 25508.1(a)-(e) - California Health and Safety Code, Chapter 6.95, Section(s) 25508.1(a)-(e)
Violation Description: Failure to electronically update business plan within 30 days of any one of the following events: A 100 percent or more increase in the quantity of a previously disclosed material. Any handling of a previously undisclosed hazardous materials at or above reportable quantities. A change of business address, business ownership, or business name.
Violation Notes: Returned to compliance on 03/05/2019.
Violation Division: Los Angeles City Fire Department
Violation Program: HMRRP
Violation Source: CERS,

Site ID: 575384
Site Name: Coast Produce Co.
Violation Date: 05-18-2016
Citation: HSC 6.95 25505.1 - California Health and Safety Code, Chapter 6.95, Section(s) 25505.1
Violation Description: Failure to provide a copy of the business plan to the owner or the owner's agent within five working days after receiving a request for a copy from the owner or the owner's agent.
Violation Notes: Returned to compliance on 03/05/2019.
Violation Division: Los Angeles City Fire Department
Violation Program: HMRRP

THE LOS ANGELES WHOLESALE PRODUCE MARKET LLC (Continued) **S113112295**

Violation Source:	CERS,
Site ID:	575384
Site Name:	Coast Produce Co.
Violation Date:	05-18-2016
Citation:	HSC 6.95 25507 - California Health and Safety Code, Chapter 6.95, Section(s) 25507
Violation Description:	Failure to adequately establish and implement a business plan when storing/handling a hazardous material at or above reportable quantities.
Violation Notes:	Returned to compliance on 03/05/2019.
Violation Division:	Los Angeles City Fire Department
Violation Program:	HMRRP
Violation Source:	CERS,
Site ID:	575384
Site Name:	Coast Produce Co.
Violation Date:	05-18-2016
Citation:	HSC 6.95 25505(a)(4) - California Health and Safety Code, Chapter 6.95, Section(s) 25505(a)(4)
Violation Description:	Failure to provide initial and annual training to all employees in safety procedures in the event of a release or threatened release of a hazardous material or failure to document and maintain training records for a minimum of three years.
Violation Notes:	Returned to compliance on 03/05/2019.
Violation Division:	Los Angeles City Fire Department
Violation Program:	HMRRP
Violation Source:	CERS,
Site ID:	575384
Site Name:	Coast Produce Co.
Violation Date:	05-18-2016
Citation:	HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description:	Failure to complete and electronically submit a site map with all required content.
Violation Notes:	Returned to compliance on 03/05/2019.
Violation Division:	Los Angeles City Fire Department
Violation Program:	HMRRP
Violation Source:	CERS,
Site ID:	575384
Site Name:	Coast Produce Co.
Violation Date:	02-04-2019
Citation:	HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description:	Failure to complete and electronically submit hazardous material inventory information for all reportable hazardous materials on site at or above reportable quantities.
Violation Notes:	Returned to compliance on 03/05/2019. Review, update and resubmit the Hazardous Materials Inventory into CERS to include all hazardous material stored in a capacity greater than 55 gallons of liquid, 200 cubic feet of compressed gas or 500 pounds in weight of a solid. Please correct the following; Change Propane to 2000 Cu Ft. NOT POUNDS.
Violation Division:	Los Angeles City Fire Department
Violation Program:	HMRRP

THE LOS ANGELES WHOLESALE PRODUCE MARKET LLC (Continued) **S113112295**

Violation Source: CERS,

Site ID: 575384
Site Name: Coast Produce Co.
Violation Date: 05-18-2016
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description: Failure to establish and electronically submit an adequate emergency response plan and procedures for a release or threatened release of a hazardous material.
Violation Notes: Returned to compliance on 03/05/2019.
Violation Division: Los Angeles City Fire Department
Violation Program: HMRRP
Violation Source: CERS,

Evaluation:
Eval General Type: Other/Unknown
Eval Date: 03-05-2019
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: CERS SUBMITTAL ACCEPTED, VIOLATIONS CLEARED
Eval Division: Los Angeles City Fire Department
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 05-18-2016
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: On site for routine hazardous materials and business emergency plan inspection. Consent to enter and inspect was given by JUAN ROMERO, DISPATCH
Eval Division: Los Angeles City Fire Department
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 02-04-2019
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Consent to enter, inspect and take photographs was given by: Tad Nakashima The Business Activities, Owner/Operator Identification, Hazardous Materials Inventory, Site Map, Emergency Response/Contingency Plan and Employee Training Plan sections were reviewed in CERS and field verified. Review and correct any violations indicated previously in this report, on or before the COMPLY BY date associated with each violation. NOTE: The LAMC, Sections (L.A.M.C. SECTION 57.105.1.4; 57.120.3; 57.121.2 and 57.121.2.1.) requires businesses that store, use or handle hazardous materials in the City of Los Angeles to obtain a Consolidated Permit from the Los Angeles Fire Department CUPA **** Annual submission of a Hazardous Materials Business Plan into CERS is required between January 1 and March 1 of every year. Please remember that any change in inventory of greater than 100 percent will require new submission within 30 days of that change. As a reminder, you must complete [Truncated]
Eval Division: Los Angeles City Fire Department
Eval Program: HMRRP

THE LOS ANGELES WHOLESALE PRODUCE MARKET LLC (Continued) **S113112295**

Eval Source: CERS,

Affiliation:

Affiliation Type Desc: Document Preparer
Entity Name: Joe Atoigue
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: .

Affiliation Type Desc: Identification Signer
Entity Name: Joe Atoigue
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: .

Affiliation Type Desc: Legal Owner
Entity Name: JOHN DUNN
Entity Title: Not reported
Affiliation Address: 1791 BAY STREET
Affiliation City: LOS ANGELES
Affiliation State: CA
Affiliation Country: United States
Affiliation Zip: 90021
Affiliation Phone: (213) 709-3906,

Affiliation Type Desc: Parent Corporation
Entity Name: COAST PRODUCE CO.
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: .

Affiliation Type Desc: CUPA District
Entity Name: Los Angeles City Fire Department
Entity Title: Not reported
Affiliation Address: 200 North Main Street, Room 1780
Affiliation City: Los Angeles
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 90012
Affiliation Phone: (213) 978-3680,

Affiliation Type Desc: Environmental Contact
Entity Name: JOE ATOIGUE
Entity Title: Not reported
Affiliation Address: 1791 BAY STREET

THE LOS ANGELES WHOLESALE PRODUCE MARKET LLC (Continued) **S113112295**

Affiliation City: LOS ANGELES
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 90021
Affiliation Phone: .

Affiliation Type Desc: Property Owner
Entity Name: LOS ANGELES PRODUCE MARKET
Entity Title: Not reported
Affiliation Address: 1601 E. OLYMPIC BLVD.
Affiliation City: LOS ANGELES
Affiliation State: CA
Affiliation Country: United States
Affiliation Zip: 90021
Affiliation Phone: (213) 396-4072,

Affiliation Type Desc: Facility Mailing Address
Entity Name: Mailing Address
Entity Title: Not reported
Affiliation Address: 1601 E. OLYMPIC BLVD.
Affiliation City: LOS ANGELES
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 90021
Affiliation Phone: .

Affiliation Type Desc: Operator
Entity Name: COAST PRODUCE CO.
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: (213) 500-1155,

HWTS:
Name: LA WHOLESALE PRODUCE MARKET LLC
Address: 1601 E OLYMPIC BLVD STE 360
Address 2: Not reported
City,State,Zip: LOS ANGELES, CA 90021
EPA ID: CAL000222507
Inactive Date: Not reported
Create Date: 03/11/2002
Last Act Date: Not reported
Mailing Name: Not reported
Mailing Address: 1601 E OLYMPIC BLVD #360
Mailing Address 2: Not reported
Mailing City,State,Zip: LOS ANGELES, CA 900210000
Owner Name: THE LA WHOLESALE PRODUCE MKT LLC
Owner Address: 1601 E OLYMPIC BLVD #360
Owner Address 2: Not reported
Owner City,State,Zip: LOS ANGELES, CA 900210000
Contact Name: DEZIE CORREA
Contact Address: 1601 E OLYMPIC BLVD
Contact Address 2: Not reported

THE LOS ANGELES WHOLESALE PRODUCE MARKET LLC (Continued) **S113112295**

City,State,Zip:	LOS ANGELES, CA 900210000
Facility Status:	Active
Facility Type:	PERMANENT
Category:	STATE
Latitude:	34.030078
Longitude:	-118.241813
NAICS:	
EPA ID:	CAL000222507
Create Date:	2002-03-14 16:36:29.000
NAICS Code:	44523
NAICS Description:	Fruit and Vegetable Markets
Issued EPA ID Date:	2002-03-11 00:00:00
Inactive Date:	2020-06-30 00:00:00
Facility Name:	THE LOS ANGELES WHOLESALE PRODUCE MARKET LLC
Facility Address:	1601 E OLYMPIC BLVD STE 360
Facility Address 2:	Not reported
Facility City:	LOS ANGELES
Facility County:	Not reported
Facility State:	CA
Facility Zip:	90021

Z122 **LOS ANGELES WHOLESALE PRODUCE** **CERS HAZ WASTE** **S123536870**
SW **1601 E OLYMPIC BLVD UN 360** **N/A**
1/8-1/4 **LOS ANGELES, CA 90021**
0.171 mi.
905 ft. **Site 5 of 7 in cluster Z**

Relative: **Lower**

Actual: **242 ft.**

CERS HAZ WASTE:

Name:	LOS ANGELES WHOLESALE PRODUCE
Address:	1601 E OLYMPIC BLVD UN 360
City,State,Zip:	LOS ANGELES, CA 90021
Site ID:	131418
CERS ID:	10259266
CERS Description:	Hazardous Waste Generator

Violations:

Site ID:	131418
Site Name:	LOS ANGELES WHOLESALE PRODUCE
Violation Date:	07-31-2013
Citation:	22 CCR 12 66262.40(a) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.40(a)
Violation Description:	Failure to maintain uniform hazardous waste manifest, consolidated manifest, or bills of lading copies for three years.
Violation Notes:	Returned to compliance on 09/19/2013. Missing Manifest copies
Violation Division:	Los Angeles County Fire Department
Violation Program:	HW
Violation Source:	CERS,

Site ID:	131418
Site Name:	LOS ANGELES WHOLESALE PRODUCE
Violation Date:	04-22-2021
Citation:	HSC 6.5 25123.3(h)(1) - California Health and Safety Code, Chapter 6.5, Section(s) 25123.3(h)(1)
Violation Description:	Failure to send hazardous waste offsite for treatment, storage, or disposal within 180 days (or 270 days if waste is transported over 200 miles) for a generator who generates less than 1000 kilogram per month if all of the following conditions are met: (1) The quantity of

LOS ANGELES WHOLESALE PRODUCE (Continued) **S123536870**

	hazardous waste accumulated onsite never exceeds 6,000 kilograms. (2) The generator complies with the requirements of 40 Code of Federal Regulations section 262.34(d), (e) and (f). (3) The generator does not hold acutely hazardous waste or extremely hazardous waste in an amount greater than one kilogram for more than 90 days.
Violation Notes:	Returned to compliance on 11/09/2021. OBSERVATION: Owner/Operator is a small quantity generator and failed to send hazardous waste (used oil and used paint thinner) offsite for treatment, storage, or disposal within 180 days (or 270 days if waste is transported over 200 miles), or has failed to comply with the conditions of CCR 66262.34(d) and has stored hazardous waste over 90 days. CORRECTIVE ACTION: Dispose of hazardous waste that has been stored over the applicable time limit and provide documentation that the violation has been corrected.
Violation Division:	Los Angeles County Fire Department
Violation Program:	HW
Violation Source:	CERS,
Site ID:	131418
Site Name:	LOS ANGELES WHOLESALE PRODUCE
Violation Date:	08-13-2018
Citation:	HSC 6.5 25123.3(h)(1) - California Health and Safety Code, Chapter 6.5, Section(s) 25123.3(h)(1)
Violation Description:	Failure to send hazardous waste offsite for treatment, storage, or disposal within 180 days (or 270 days if waste is transported over 200 miles) for a generator who generates less than 1000 kilogram per month if all of the following conditions are met: (1) The quantity of hazardous waste accumulated onsite never exceeds 6,000 kilograms. (2) The generator complies with the requirements of 40 Code of Federal Regulations section 262.34(d), (e) and (f). (3) The generator does not hold acutely hazardous waste or extremely hazardous waste in an amount greater than one kilogram for more than 90 days.
Violation Notes:	Returned to compliance on 01/30/2019. OBSERVATION: 3 x 55-gallon drums of liquid waste paint related material/solvent located in the hazardous waste accumulation area were observed without an accumulation start date (2 drums) and with an accumulation start date of February 2013. Hazardous waste disposal records confirm that this hazardous waste has been stored in excess of 180 days from the accumulation start date. CORRECTIVE ACTION: Dispose of the 3 drums of waste paint related material/solvent and submit a copy of the manifest/receipt to the CUPA.
Violation Division:	Los Angeles County Fire Department
Violation Program:	HW
Violation Source:	CERS,
Site ID:	131418
Site Name:	LOS ANGELES WHOLESALE PRODUCE
Violation Date:	08-13-2018
Citation:	22 CCR 12 66262.34(f) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.34(f)
Violation Description:	Failure to properly label hazardous waste accumulation containers and portable tanks with the following requirements: "Hazardous Waste", name and address of the generator, physical and chemical characteristics of the Hazardous Waste, and starting accumulation date.
Violation Notes:	Returned to compliance on 01/30/2019. OBSERVATION: 2 x 55-gallon drums of liquid waste paint related material/solvent located in the hazardous waste storage area were observed without the accumulation

LOS ANGELES WHOLESALE PRODUCE (Continued) **S123536870**

start date on the hazardous waste label. CORRECTIVE ACTION: Submit photos to the CUPA demonstrating that the containers listed above have been properly labeled.

Violation Division: Los Angeles County Fire Department
Violation Program: HW
Violation Source: CERS,

Evaluation:

Eval General Type: Other/Unknown
Eval Date: 01-30-2019
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Los Angeles County Fire Department
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 04-22-2021
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Eddie Melina, Maintenance Supervisor
Eval Division: Los Angeles County Fire Department
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 07-31-2013
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Los Angeles County Fire Department
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 07-31-2013
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Inspected by Alexander Ng; Consent given by Dezie Correa
Eval Division: Los Angeles County Fire Department
Eval Program: HW
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 10-07-2021
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: DEZIE CORREA, ADMIN
Eval Division: Los Angeles County Fire Department
Eval Program: HW
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 11-09-2021
Violations Found: No
Eval Type: Other, not routine, done by local agency

LOS ANGELES WHOLESALE PRODUCE (Continued) **S123536870**

Eval Notes: Dezie Correa, Administrator
Eval Division: Los Angeles County Fire Department
Eval Program: HW
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 12-04-2018
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Los Angeles County Fire Department
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 08-13-2018
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Dezie Correa, Administrative Assistant
Eval Division: Los Angeles County Fire Department
Eval Program: HW
Eval Source: CERS,

Affiliation:
Affiliation Type Desc: Facility Mailing Address
Entity Name: Mailing Address
Entity Title: Not reported
Affiliation Address: 1601 E OLYMPIC BL UN 360
Affiliation City: LOS ANGELES
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 90021
Affiliation Phone: .

Affiliation Type Desc: CUPA District
Entity Name: Los Angeles City Fire Department
Entity Title: Not reported
Affiliation Address: 200 North Main Street, Room 1780
Affiliation City: Los Angeles
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 90012
Affiliation Phone: (213) 978-3680,

Affiliation Type Desc: Parent Corporation
Entity Name: LOS ANGELES PRODUCE DISTRIBUTOR LLC
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: .

AA123 **TERMINAL HARDWARE CO INC** **HAZMAT** **S123541548**
NNW **672 S CENTRAL AVE** **N/A**
1/8-1/4 **LOS ANGELES, CA 90021**
0.173 mi.
911 ft. **Site 1 of 8 in cluster AA**

Relative: LOS ANGELES HM:
Higher
Actual: Name: TERMINAL HARDWARE CO INC
252 ft. Address: 672 S CENTRAL AVE
City,State,Zip: LOS ANGELES, CA 90021
Facility ID: FA0000735
Last Run Date: 11/01/2022
Status: INACTIVE

R124 **TIJUANA PRODUCE** **UST** **U004307613**
NW **733 S CENTRAL AVE** **N/A**
1/8-1/4 **LOS ANGELES, CA 90021**
0.173 mi.
912 ft. **Site 5 of 12 in cluster R**

Relative: LOS ANGELES UST:
Higher
Actual: Name: TIJUANA PRODUCE
249 ft. Address: 733 S CENTRAL AVE
City,State,Zip: LOS ANGELES, CA 90021
Facility ID: FA0034301
Last Run Date: 11/01/2022
Status: INACTIVE

R125 **C E ENCELL** **SWEEPS UST** **S101587958**
NW **733 S CENTRAL AVE** **CA FID UST** **N/A**
1/8-1/4 **LOS ANGELES, CA 90021** **HAZMAT**
0.173 mi.
912 ft. **Site 6 of 12 in cluster R**

Relative: SWEEPS UST:
Higher
Actual: Name: C E ENCELL
249 ft. Address: 733 S CENTRAL AVE
City: LOS ANGELES
Status: Not reported
Comp Number: 6201
Number: Not reported
Board Of Equalization: Not reported
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: Not reported
Tank Status: Not reported
Capacity: Not reported
Active Date: Not reported
Tank Use: Not reported
STG: Not reported
Content: Not reported
Number Of Tanks: 0

CA FID UST:
Facility ID: 19056189
Regulated By: UTNKA

C E ENCELL (Continued) **S101587958**

Regulated ID:	Not reported
Cortese Code:	Not reported
SIC Code:	Not reported
Facility Phone:	2130000000
Mail To:	Not reported
Mailing Address:	733 S CENTRAL AVE
Mailing Address 2:	Not reported
Mailing City,St,Zip:	LOS ANGELES 900210000
Contact:	Not reported
Contact Phone:	Not reported
DUNs Number:	Not reported
NPDES Number:	Not reported
EPA ID:	Not reported
Comments:	Not reported
Status:	Active

LOS ANGELES HM:

Name:	TIJUANA PRODUCE
Address:	733 S CENTRAL AVE
City,State,Zip:	LOS ANGELES, CA 90021
Facility ID:	FA0034301
Last Run Date:	11/01/2022
Status:	INACTIVE

U126 **UNION CENTRAL COLD STORAGE** **HAZMAT** **S123543566**
NE **1555 E INDUSTRIAL ST** **N/A**
1/8-1/4 **LOS ANGELES, CA 90021**
0.173 mi.
915 ft. **Site 3 of 4 in cluster U**

Relative: **Higher**
Actual: **250 ft.**

LOS ANGELES HM:

Name:	UNION CENTRAL COLD STORAGE
Address:	1555 E INDUSTRIAL ST
City,State,Zip:	LOS ANGELES, CA 90021
Facility ID:	FA0006820
Last Run Date:	11/01/2022
Status:	INACTIVE

T127 **POTATO SALES CO INC** **HAZMAT** **S123542441**
SSE **1104 S LAWRENCE ST** **N/A**
1/8-1/4 **LOS ANGELES, CA 90021**
0.177 mi.
934 ft. **Site 2 of 6 in cluster T**

Relative: **Lower**
Actual: **241 ft.**

LOS ANGELES HM:

Name:	POTATO SALES CO INC
Address:	1104 S LAWRENCE ST
City,State,Zip:	LOS ANGELES, CA 90021
Facility ID:	FA0003665
Last Run Date:	11/01/2022
Status:	INACTIVE

S128
West
1/8-1/4
0.179 mi.
946 ft.

1340 E 8TH ST
LOS ANGELES, CA

Site 2 of 3 in cluster S

Relative:
Lower

Actual:
245 ft.

UST **U004299633**
N/A

LOS ANGELES UST:

Name:	Not reported
Address:	1340 E 8TH ST
City,State,Zip:	LOS ANGELES, CA
Facility ID:	Not reported
Last Run Date:	01/01/1900
Status:	HISTORICAL

129
East
1/8-1/4
0.183 mi.
967 ft.

SGS
739 DECATUR ST
LOS ANGELES, CA 90021

HAZMAT **S123550656**
N/A

Relative:
Lower

Actual:
245 ft.

LOS ANGELES HM:

Name:	SGS
Address:	739 DECATUR ST
City,State,Zip:	LOS ANGELES, CA 90021
Facility ID:	FA0031722
Last Run Date:	11/01/2022
Status:	INACTIVE

T130
SSE
1/8-1/4
0.185 mi.
978 ft.

LOS ANGELES TIMES
1150 LAWRENCE ST
LOS ANGELES, CA 90021

Site 3 of 6 in cluster T

SWEEPS UST **S101588204**
CA FID UST **N/A**

Relative:
Lower

Actual:
241 ft.

SWEEPS UST:

Name:	LOS ANGELES TIMES
Address:	1150 LAWRENCE ST
City:	LOS ANGELES
Status:	Not reported
Comp Number:	7136
Number:	Not reported
Board Of Equalization:	Not reported
Referral Date:	Not reported
Action Date:	Not reported
Created Date:	Not reported
Owner Tank Id:	Not reported
SWRCB Tank Id:	Not reported
Tank Status:	Not reported
Capacity:	Not reported
Active Date:	Not reported
Tank Use:	Not reported
STG:	Not reported
Content:	Not reported
Number Of Tanks:	Not reported

CA FID UST:

Facility ID:	19056444
Regulated By:	UTNKA

LOS ANGELES TIMES (Continued) **S101588204**

Regulated ID:	Not reported
Cortese Code:	Not reported
SIC Code:	Not reported
Facility Phone:	2130000000
Mail To:	Not reported
Mailing Address:	1150 LAWRENCE ST
Mailing Address 2:	Not reported
Mailing City,St,Zip:	LOS ANGELES 900210000
Contact:	Not reported
Contact Phone:	Not reported
DUNs Number:	Not reported
NPDES Number:	Not reported
EPA ID:	Not reported
Comments:	Not reported
Status:	Active

T131 **UST** **U004299057**
SSE **1150 LAWRENCE ST** **N/A**
1/8-1/4 **LOS ANGELES, CA**
0.185 mi.
978 ft. **Site 4 of 6 in cluster T**

Relative: LOS ANGELES UST:
Lower

Name:	Not reported
Address:	1150 LAWRENCE ST
City,State,Zip:	LOS ANGELES, CA
Facility ID:	Not reported
Last Run Date:	01/01/1900
Status:	HISTORICAL

Actual:
241 ft.

AB132 **L A WHOLESALE PRODUCE MARKET** **SWEEPS UST** **S101586866**
SSW **1602 E OLYMPIC BLVD** **CA FID UST** **N/A**
1/8-1/4 **LOS ANGELES, CA 90021**
0.189 mi.
999 ft. **Site 1 of 3 in cluster AB**

Relative: SWEEPS UST:
Lower

Name:	L A WHOLESALE PRODUCE MARKET
Address:	1602 E OLYMPIC BLVD
City:	LOS ANGELES
Status:	Not reported
Comp Number:	6866
Number:	Not reported
Board Of Equalization:	Not reported
Referral Date:	Not reported
Action Date:	Not reported
Created Date:	Not reported
Owner Tank Id:	Not reported
SWRCB Tank Id:	Not reported
Tank Status:	Not reported
Capacity:	Not reported
Active Date:	Not reported
Tank Use:	Not reported
STG:	Not reported
Content:	Not reported
Number Of Tanks:	Not reported

Actual:
241 ft.

L A WHOLESALE PRODUCE MARKET (Continued) **S101586866**

CA FID UST:

Facility ID:	19054552
Regulated By:	UTNKI
Regulated ID:	Not reported
Cortese Code:	Not reported
SIC Code:	Not reported
Facility Phone:	2130000000
Mail To:	Not reported
Mailing Address:	1602 E OLYMPIC BLVD
Mailing Address 2:	Not reported
Mailing City,St,Zip:	LOS ANGELES 900210000
Contact:	Not reported
Contact Phone:	Not reported
DUNs Number:	Not reported
NPDES Number:	Not reported
EPA ID:	Not reported
Comments:	Not reported
Status:	Inactive

AA133 **TYRON CAMPBELL** **RCRA NonGen / NLR** **1025849879**
NNW **1225 E 7TH ST.** **CAC003029964**
1/8-1/4 **LOS ANGELES, CA 90011**
0.191 mi.
1010 ft. **Site 2 of 8 in cluster AA**

Relative: **Higher**

Actual: **253 ft.**

RCRA Listings:

Date Form Received by Agency:		20190819
Handler Name:	TYRON CAMPBELL	
Handler Address:		1225 E 7TH ST.
Handler City,State,Zip:		LOS ANGELES, CA 90011
EPA ID:		CAC003029964
Contact Name:		TYRON CAMPBELL
Contact Address:		1225 E 7TH ST.
Contact City,State,Zip:		LOS ANGELES, CA 90011
Contact Telephone:		323-633-2432
Contact Fax:		Not reported
Contact Email:		KC@AQHIINC.COM
Contact Title:		Not reported
EPA Region:		09
Land Type:		Not reported
Federal Waste Generator Description:		Not a generator, verified
Non-Notifier:		Not reported
Biennial Report Cycle:		Not reported
Accessibility:		Not reported
Active Site Indicator:		Not reported
State District Owner:		Not reported
State District:		Not reported
Mailing Address:		1225 E 7TH ST.
Mailing City,State,Zip:		LOS ANGELES, CA 90011
Owner Name:	TYRON CAMPBELL	
Owner Type:		Other
Operator Name:	TYRON CAMPBELL	
Operator Type:		Other
Short-Term Generator Activity:		No
Importer Activity:		No
Mixed Waste Generator:		No
Transporter Activity:		No

TYRON CAMPBELL (Continued) **1025849879**

Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required: Not reported	
Handler Date of Last Change:	20190910
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Operator
Owner/Operator Name: TYRON CAMPBELL	
Legal Status:	Other

TYRON CAMPBELL (Continued) **1025849879**

Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	1225 E 7TH ST.
Owner/Operator City,State,Zip:	LOS ANGELES, CA 90011
Owner/Operator Telephone:	323-633-2432
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Owner
Owner/Operator Name: TYRON CAMPBELL	
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	1225 E 7TH ST.
Owner/Operator City,State,Zip:	LOS ANGELES, CA 90011
Owner/Operator Telephone:	323-633-2432
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	20190819
Handler Name: TYRON CAMPBELL	
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

List of NAICS Codes and Descriptions:

NAICS Code:	56299
NAICS Description:	ALL OTHER WASTE MANAGEMENT SERVICES

Facility Has Received Notices of Violations:

Violations:	No Violations Found

Evaluation Action Summary:

Evaluations:	No Evaluations Found

AA134 **UST** **U004299312**
NNW **1225 E 7TH ST** **N/A**
1/8-1/4 **LOS ANGELES, CA**
0.191 mi.
1010 ft. **Site 3 of 8 in cluster AA**

Relative: LOS ANGELES UST:
Higher
Actual: Name: Not reported
253 ft. Address: 1225 E 7TH ST
City,State,Zip: LOS ANGELES, CA
Facility ID: Not reported
Last Run Date: 01/01/1900
Status: HISTORICAL

X135 **LOS ANGELES TIMES** **RCRA NonGen / NLR** **1000102158**
NE **1321 WHOLESALE ST** **FINDS** **CAD982500860**
1/8-1/4 **LOS ANGELES, CA 90021** **ECHO**
0.192 mi.
1012 ft. **Site 2 of 3 in cluster X**

Relative: RCRA Listings:
Higher
Actual: Date Form Received by Agency: 19940623
251 ft. Handler Name: LOS ANGELES TIMES
Handler Address: 1321 WHOLESALE ST
Handler City,State,Zip: LOS ANGELES, CA 90021
EPA ID: CAD982500860
Contact Name: ENVIRONMENTAL MANAGER
Contact Address: 1321 WHOLESALE ST
Contact City,State,Zip: LOS ANGELES, CA 90021
Contact Telephone: 213-237-5068
Contact Fax: Not reported
Contact Email: Not reported
Contact Title: Not reported
EPA Region: 09
Land Type: Other
Federal Waste Generator Description: Not a generator, verified
Non-Notifier: Not reported
Biennial Report Cycle: Not reported
Accessibility: Not reported
Active Site Indicator: Not reported
State District Owner: CA
State District: 4R
Mailing Address: TIMES MIRROR SQ
Mailing City,State,Zip: LOS ANGELES, CA 90053
Owner Name: TIMES MIRROR COMPANY
Owner Type: Private
Operator Name: NOT REQUIRED
Operator Type: Private
Short-Term Generator Activity: No
Importer Activity: No
Mixed Waste Generator: No
Transporter Activity: No
Transfer Facility Activity: No
Recycler Activity with Storage: No
Small Quantity On-Site Burner Exemption: No
Smelting Melting and Refining Furnace Exemption: No
Underground Injection Control: No
Off-Site Waste Receipt: No
Universal Waste Indicator: No
Universal Waste Destination Facility: No

LOS ANGELES TIMES (Continued) **1000102158**

Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	NN
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required: Not reported	
Handler Date of Last Change:	20020627
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	Not reported
Manifest Broker:	Not reported
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Operator
Owner/Operator Name: NOT REQUIRED	
Legal Status:	Private
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	NOT REQUIRED
Owner/Operator City,State,Zip:	NOT REQUIRED, ME 99999
Owner/Operator Telephone:	415-555-1212
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

LOS ANGELES TIMES (Continued) **1000102158**

Owner/Operator Indicator:	Owner
Owner/Operator Name: TIMES MIRROR COMPANY	
Legal Status:	Private
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	NOT REQUIRED
Owner/Operator City,State,Zip:	NOT REQUIRED, ME 99999
Owner/Operator Telephone:	415-555-1212
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	19940623
Handler Name: LOS ANGELES TIMES	
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	CA
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

List of NAICS Codes and Descriptions:

NAICS Codes:	No NAICS Codes Found

Facility Has Received Notices of Violations:

Violations:	No Violations Found

Evaluation Action Summary:

Evaluations:	No Evaluations Found

FINDS:

Registry ID: 110002833818

Click Here for FRS Facility Detail Report:

Environmental Interest/Information System:

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:

Envid:	1000102158
Registry ID:	110002833818
DFR URL:	http://echo.epa.gov/detailed-facility-report?fid=110002833818

LOS ANGELES TIMES (Continued) **1000102158**

Name: LOS ANGELES TIMES
Address: 1321 WHOLESALE ST
City,State,Zip: LOS ANGELES, CA 90021

X136 **CHIQUITA LADC** **HAZMAT** **S123547534**
NE **1321 E WHOLESALE ST** **N/A**
1/8-1/4 **LOS ANGELES, CA 90021**
0.192 mi.
1012 ft. **Site 3 of 3 in cluster X**

Relative: LOS ANGELES HM:
Higher
Actual: Name: CHIQUITA LADC
251 ft. Address: 1321 E WHOLESALE ST
City,State,Zip: LOS ANGELES, CA 90021
Facility ID: FA0019534
Last Run Date: 11/01/2022
Status: ACTIVE

AA137 **AIM COLOR INC** **HAZNET** **S113165422**
NNW **627 S CENTRAL AVE** **HAZMAT** **N/A**
1/8-1/4 **LOS ANGELES, CA 90021** **HWTS**
0.193 mi.
1018 ft. **Site 4 of 8 in cluster AA**

Relative: HAZNET:
Higher
Actual: Name: AIM COLOR INC
253 ft. Address: 627 S CENTRAL AVE
Address 2: Not reported
City,State,Zip: LOS ANGELES, CA 900210000
Contact: BENOIT MALPHETTES
Telephone: 6267960496
Mailing Name: Not reported
Mailing Address: 627 S CENTRAL AVE

Year: 1998
Gepaid: CAL920776535
TSD EPA ID: CAL000013493
CA Waste Code: 171 - Metal sludge (Alkaline solution (pH >= 12.5) with metals)
Disposal Method: R01 - Recycler
Tons: 0.0505

Year: 1997
Gepaid: CAL920776535
TSD EPA ID: CAL000013493
CA Waste Code: 181 - Other inorganic solid waste
Disposal Method: R01 - Recycler
Tons: 0.007

Year: 1997
Gepaid: CAL920776535
TSD EPA ID: CAL000013493
CA Waste Code: 171 - Metal sludge (Alkaline solution (pH >= 12.5) with metals)
Disposal Method: R01 - Recycler
Tons: 0.0425

Year: 1996

AIM COLOR INC (Continued) **S113165422**

Gepaid: CAL920776535
TSD EPA ID: CAL000013493
CA Waste Code: 171 - Metal sludge (Alkaline solution (pH >= 12.5) with metals)
Disposal Method: R01 - Recycler
Tons: 0.112

Year: 1996
Gepaid: CAL920776535
TSD EPA ID: CAL000013493
CA Waste Code: 181 - Other inorganic solid waste
Disposal Method: R01 - Recycler
Tons: 0.0045

Year: 1995
Gepaid: CAL920776535
TSD EPA ID: CAL000013493
CA Waste Code: 171 - Metal sludge (Alkaline solution (pH >= 12.5) with metals)
Disposal Method: R01 - Recycler
Tons: 0.0615

Year: 1994
Gepaid: CAL920776535
TSD EPA ID: CAD982524613
CA Waste Code: 541 - Photochemicals/photoprocessing waste
Disposal Method: R01 - Recycler
Tons: 0.0834

Year: 1993
Gepaid: CAL920776535
TSD EPA ID: CAD982524613
CA Waste Code: 541 - Photochemicals/photoprocessing waste
Disposal Method: R01 - Recycler
Tons: 0.0834

Year: 1992
Gepaid: CAL920776535
TSD EPA ID: CAD982524613
CA Waste Code: 541 - Photochemicals/photoprocessing waste
Disposal Method: R01 - Recycler
Tons: 0.0834

Additional Info:
Year: 1998
Gen EPA ID: CAL920776535

Shipment Date: 19980804
Creation Date: 10/1/1998 0:00:00
Receipt Date: 19980813
Manifest ID: 98292602
Trans EPA ID: CAL000159119
Trans Name: Not reported
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDF EPA ID: CAL000013493
Trans Name: Not reported
TSDF Alt EPA ID: Not reported

AIM COLOR INC (Continued) **S113165422**

TSDF Alt Name:	Not reported
Waste Code Description:	171 - Metal sludge (see 121
RCRA Code:	Not reported
Meth Code:	R01 - Recycler
Quantity Tons:	0.0455
Waste Quantity:	91
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19980804
Creation Date:	10/1/1998 0:00:00
Receipt Date:	19980813
Manifest ID:	98292602
Trans EPA ID:	CAL000159119
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAL000013493
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	171 - Metal sludge (see 121
RCRA Code:	Not reported
Meth Code:	R01 - Recycler
Quantity Tons:	0.005
Waste Quantity:	10
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	1997
Gen EPA ID:	CAL920776535
Shipment Date:	19971111
Creation Date:	3/18/1998 0:00:00
Receipt Date:	19971111
Manifest ID:	90807675
Trans EPA ID:	CAL000159119
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAL000013493
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	171 - Metal sludge (see 121
RCRA Code:	D011
Meth Code:	R01 - Recycler
Quantity Tons:	0.0425

AIM COLOR INC (Continued) **S113165422**

Waste Quantity:	85
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19971111
Creation Date:	3/18/1998 0:00:00
Receipt Date:	19971111
Manifest ID:	90807675
Trans EPA ID:	CAL000159119
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAL000013493
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	D011
Meth Code:	R01 - Recycler
Quantity Tons:	0.007
Waste Quantity:	14
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	1996
Gen EPA ID:	CAL920776535
Shipment Date:	19961216
Creation Date:	5/20/1997 0:00:00
Receipt Date:	19961226
Manifest ID:	90807706
Trans EPA ID:	CAL000159119
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAL000013493
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	D011
Meth Code:	R01 - Recycler
Quantity Tons:	0.0025
Waste Quantity:	5
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported

AIM COLOR INC (Continued) **S113165422**

Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19960816
Creation Date:	5/30/1997 0:00:00
Receipt Date:	19960821
Manifest ID:	90807719
Trans EPA ID:	CAL000159119
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAL000013493
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	D011
Meth Code:	R01 - Recycler
Quantity Tons:	0.002
Waste Quantity:	4
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19960816
Creation Date:	5/30/1997 0:00:00
Receipt Date:	19960821
Manifest ID:	90807719
Trans EPA ID:	CAL000159119
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAL000013493
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	171 - Metal sludge (see 121
RCRA Code:	D011
Meth Code:	R01 - Recycler
Quantity Tons:	0.048
Waste Quantity:	96
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19960215
Creation Date:	10/10/1996 0:00:00
Receipt Date:	19960216
Manifest ID:	90807713
Trans EPA ID:	CAL000159119
Trans Name:	Not reported

AIM COLOR INC (Continued) **S113165422**

Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAL000013493
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	171 - Metal sludge (see 121
RCRA Code:	D011
Meth Code:	R01 - Recycler
Quantity Tons:	0.064
Waste Quantity:	128
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	1995
Gen EPA ID:	CAL920776535
Shipment Date:	19950616
Creation Date:	4/2/1996 0:00:00
Receipt Date:	19950616
Manifest ID:	90807747
Trans EPA ID:	CAL000159119
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAL000013493
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	171 - Metal sludge (see 121
RCRA Code:	D011
Meth Code:	R01 - Recycler
Quantity Tons:	0.0615
Waste Quantity:	123
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	1994
Gen EPA ID:	CAL920776535
Shipment Date:	19940726
Creation Date:	3/26/1996 0:00:00
Receipt Date:	19940728
Manifest ID:	93178285
Trans EPA ID:	CAD982524613
Trans Name:	Not reported

AIM COLOR INC (Continued) **S113165422**

Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD982524613
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	541 - Photochemicals / photo processing waste
RCRA Code:	D011
Meth Code:	R01 - Recycler
Quantity Tons:	0.0834
Waste Quantity:	20
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	1993
Gen EPA ID:	CAL920776535
Shipment Date:	19930723
Creation Date:	9/11/1995 0:00:00
Receipt Date:	19930728
Manifest ID:	93179253
Trans EPA ID:	CAD982524613
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD982524613
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	541 - Photochemicals / photo processing waste
RCRA Code:	D011
Meth Code:	R01 - Recycler
Quantity Tons:	0.0834
Waste Quantity:	20
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

LOS ANGELES HM:

Name:	A & I PHOTO
Address:	627 S CENTRAL AVE
City,State,Zip:	LOS ANGELES, CA 90021
Facility ID:	FA0027569
Last Run Date:	11/01/2022
Status:	INACTIVE

HWTS:

Name:	AIM COLOR INC

AIM COLOR INC (Continued) **S113165422**

Address:	627 S CENTRAL AVE
Address 2:	Not reported
City,State,Zip:	LOS ANGELES, CA 90021
EPA ID:	CAL920776535
Inactive Date:	06/30/2006
Create Date:	03/17/1992
Last Act Date:	Not reported
Mailing Name:	Not reported
Mailing Address:	627 S CENTRAL AVE
Mailing Address 2:	Not reported
Mailing City,State,Zip:	LOS ANGELES, CA 900211050
Owner Name:	JAMES ISHIHARA
Owner Address:	933 N HIGHLAND AVE
Owner Address 2:	Not reported
Owner City,State,Zip:	LOS ANGELES, CA 900380000
Contact Name:	BENOIT MALPHETTES
Contact Address:	130 N MARENGO AVE
Contact Address 2:	Not reported
City,State,Zip:	PASADENA, CA 911010000
Facility Status:	Inactive
Facility Type:	PERMANENT
Category:	STATE
Latitude:	34.03778
Longitude:	-118.24024

NAICS:

EPA ID:	CAL920776535
Create Date:	2002-03-14 16:36:30.000
NAICS Code:	81292
NAICS Description:	Photofinishing
Issued EPA ID Date:	1992-03-17 00:00:00
Inactive Date:	2006-06-30 14:21:36.99700
Facility Name:	AIM COLOR INC
Facility Address:	627 S CENTRAL AVE
Facility Address 2:	Not reported
Facility City:	LOS ANGELES
Facility County:	Not reported
Facility State:	CA
Facility Zip:	900210000

AC138 **UST** **U004304494**
WNW **785 S CENTRAL AVE** **N/A**
1/8-1/4 **LOS ANGELES, CA**
0.193 mi.
1020 ft. **Site 1 of 20 in cluster AC**

Relative: **Higher**

Actual: **246 ft.**

LOS ANGELES UST:

Name:	Not reported
Address:	785 S CENTRAL AVE
City,State,Zip:	LOS ANGELES, CA
Facility ID:	Not reported
Last Run Date:	01/01/1900
Status:	HISTORICAL

U139
NE
1/8-1/4
0.195 mi.
1027 ft.

1580 INDUSTRIAL ST
LOS ANGELES, CA

Site 4 of 4 in cluster U

Relative:
Higher

Actual:
250 ft.

LOS ANGELES UST:

Name:	Not reported
Address:	1580 INDUSTRIAL ST
City,State,Zip:	LOS ANGELES, CA
Facility ID:	Not reported
Last Run Date:	01/01/1900
Status:	HISTORICAL

UST **U004300214**
N/A

Z140
SW
1/8-1/4
0.195 mi.
1029 ft.

AT&T MOBILITY 10/CENTRAL OVLY
1400 E OLYMPIC BLVD
LOS ANGELES, CA 90021

Site 6 of 7 in cluster Z

Relative:
Lower

Actual:
242 ft.

LOS ANGELES HM:

Name:	AT&T MOBILITY 10/CENTRAL OVLY
Address:	1400 E OLYMPIC BLVD
City,State,Zip:	LOS ANGELES, CA 90021
Facility ID:	FA0024870
Last Run Date:	11/01/2022
Status:	INACTIVE

HAZMAT **S123549233**
N/A

W141
NW
1/8-1/4
0.200 mi.
1054 ft.

704 MERCHANT ST
LOS ANGELES, CA

Site 2 of 3 in cluster W

Relative:
Higher

Actual:
251 ft.

LOS ANGELES UST:

Name:	Not reported
Address:	704 MERCHANT ST
City,State,Zip:	LOS ANGELES, CA
Facility ID:	Not reported
Last Run Date:	01/01/1900
Status:	HISTORICAL

UST **U004304082**
N/A

AD142
WSW
1/8-1/4
0.200 mi.
1058 ft.

L A COUNTY COMMUNITY REDEVELOP
1325 E OLYMPIC BLVD
LOS ANGELES, CA 90021

Site 1 of 3 in cluster AD

Relative:
Lower

Actual:
242 ft.

SWEEPS UST:

Name:	L A COUNTY COMMUNITY REDEVELOP
Address:	1325 E OLYMPIC BLVD
City:	LOS ANGELES
Status:	Not reported
Comp Number:	6674
Number:	Not reported
Board Of Equalization:	Not reported
Referral Date:	Not reported

SWEEPS UST **S101586833**
CA FID UST **N/A**

L A COUNTY COMMUNITY REDEVELOP (Continued) **S101586833**

Action Date:	Not reported
Created Date:	Not reported
Owner Tank Id:	Not reported
SWRCB Tank Id:	Not reported
Tank Status:	Not reported
Capacity:	Not reported
Active Date:	Not reported
Tank Use:	Not reported
STG:	Not reported
Content:	Not reported
Number Of Tanks:	Not reported

CA FID UST:

Facility ID:	19054517
Regulated By:	UTNKI
Regulated ID:	Not reported
Cortese Code:	Not reported
SIC Code:	Not reported
Facility Phone:	2130000000
Mail To:	Not reported
Mailing Address:	1325 E OLYMPIC BLVD
Mailing Address 2:	Not reported
Mailing City,St,Zip:	LOS ANGELES 900210000
Contact:	Not reported
Contact Phone:	Not reported
DUNs Number:	Not reported
NPDES Number:	Not reported
EPA ID:	Not reported
Comments:	Not reported
Status:	Inactive

AD143 **UST** **U004299598**
WSW **1325 E OLYMPIC BLVD** **N/A**
1/8-1/4 **LOS ANGELES, CA**
0.200 mi.
1058 ft. **Site 2 of 3 in cluster AD**

Relative: **Lower**
Actual: **242 ft.**

LOS ANGELES UST:

Name:	Not reported
Address:	1325 E OLYMPIC BLVD
City,State,Zip:	LOS ANGELES, CA
Facility ID:	Not reported
Last Run Date:	01/01/1900
Status:	HISTORICAL

Z144 **YAEGER & SONS** **EMI** **S106842799**
SW **1512 E OLYMPIC BL** **HAZMAT** **N/A**
1/8-1/4 **LOS ANGELES, CA 90021**
0.200 mi.
1058 ft. **Site 7 of 7 in cluster Z**

Relative: **Lower**
Actual: **241 ft.**

EMI:

Name:	YAEGER & SONS
Address:	1512 E OLYMPIC BL
City,State,Zip:	LOS ANGELES, CA 90021
Year:	1987

YAEGER & SONS (Continued) **S106842799**

County Code:	19
Air Basin:	SC
Facility ID:	800
Air District Name:	SC
SIC Code:	5311
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	3
Reactive Organic Gases Tons/Yr:	3
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Name:	YAEGER & SONS
Address:	1512 E OLYMPIC BL
City,State,Zip:	LOS ANGELES, CA 90021
Year:	1990
County Code:	19
Air Basin:	SC
Facility ID:	800
Air District Name:	SC
SIC Code:	3537
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	1
Reactive Organic Gases Tons/Yr:	1
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Name:	YAEGER & SONS
Address:	1512 E OLYMPIC BL
City,State,Zip:	LOS ANGELES, CA 90021
Year:	1995
County Code:	19
Air Basin:	SC
Facility ID:	800
Air District Name:	SC
SIC Code:	3537
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	1
Reactive Organic Gases Tons/Yr:	1
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

YAEGER & SONS (Continued) **S106842799**

LOS ANGELES HM:

Name:	YAEGER & SONS
Address:	1512 E OLYMPIC BLVD
City,State,Zip:	LOS ANGELES, CA 90021
Facility ID:	FA0003456
Last Run Date:	11/01/2022
Status:	INACTIVE

W145 **UST** **U004304132**
NW **712-728 MERCHANT ST** **N/A**
1/8-1/4 **LOS ANGELES, CA**
0.202 mi.
1064 ft. **Site 3 of 3 in cluster W**

Relative: **Higher**
Actual: **250 ft.**

LOS ANGELES UST:

Name:	Not reported
Address:	712-728 MERCHANT ST
City,State,Zip:	LOS ANGELES, CA
Facility ID:	Not reported
Last Run Date:	01/01/1900
Status:	HISTORICAL

T146 **THE KOREA TIMES LOS ANGELES INC.** **RCRA NonGen / NLR** **1024801993**
SE **2017 E 8TH ST** **CAL000235947**
1/8-1/4 **LOS ANGELES, CA 90021**
0.202 mi.
1065 ft. **Site 5 of 6 in cluster T**

Relative: **Lower**
Actual: **241 ft.**

RCRA Listings:

Date Form Received by Agency:		20011220
Handler Name:	THE KOREA TIMES LOS ANGELES INC.	
Handler Address:		2017 E 8TH ST
Handler City,State,Zip:		LOS ANGELES, CA 90021-0000
EPA ID:		CAL000235947
Contact Name:		MICHAEL CHANG/PRODUCTION SUPVR
Contact Address:		2017 E 8TH ST
Contact City,State,Zip:		LOS ANGELES, CA 90021
Contact Telephone:		213-891-1985
Contact Fax:		213-891-1936
Contact Email:		MICHAELCHANG@KOREATIMES.COM
Contact Title:		Not reported
EPA Region:		09
Land Type:		Not reported
Federal Waste Generator Description:		Not a generator, verified
Non-Notifier:		Not reported
Biennial Report Cycle:		Not reported
Accessibility:		Not reported
Active Site Indicator:		Handler Activities
State District Owner:		Not reported
State District:		Not reported
Mailing Address:		2017 EAST 8TH STREET
Mailing City,State,Zip:		LOS ANGELES, CA 90021
Owner Name:	THE KOREA TIMES	
Owner Type:		Other
Operator Name:	MICHAEL CHANG/PRODUCTION SUPVR	
Operator Type:		Other

THE KOREA TIMES LOS ANGELES INC. (Continued) **1024801993**

Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	Yes
Universal Waste Destination Facility:	Yes
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required: Not reported	
Handler Date of Last Change:	20180905
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

THE KOREA TIMES LOS ANGELES INC. (Continued) **1024801993**

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name:	THE KOREA TIMES
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	3731 WILSHIRE BLVD. SUITE 1000
Owner/Operator City,State,Zip:	LOS ANGELES, CA 90010-0000
Owner/Operator Telephone:	323-692-2000
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name:	MICHAEL CHANG/PRODUCTION SUPVR
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	2017 E 8TH ST
Owner/Operator City,State,Zip:	LOS ANGELES, CA 90021
Owner/Operator Telephone:	213-891-1985
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	20011220
Handler Name:	THE KOREA TIMES LOS ANGELES INC.
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

List of NAICS Codes and Descriptions:

NAICS Code:	51111
NAICS Description:	NEWSPAPER PUBLISHERS

Facility Has Received Notices of Violations:

Violations:	No Violations Found

Evaluation Action Summary:

Evaluations:	No Evaluations Found

T147 **THE KOREA TIMES LOS ANGELES** **CERS HAZ WASTE** **S108432305**
SE **2017 E 8TH ST** **EMI** **N/A**
1/8-1/4 **LOS ANGELES, CA 90021**
0.202 mi.
1065 ft. **Site 6 of 6 in cluster T**

Relative: CERS HAZ WASTE:
Lower
Actual: Name: THE KOREA TIMES LOS ANGELES
241 ft. Address: 2017 E 8TH ST
City,State,Zip: LOS ANGELES, CA 90021
Site ID: 75138
CERS ID: 10259875
CERS Description: Hazardous Waste Generator

Violations:
Site ID: 75138
Site Name: THE KOREA TIMES LOS ANGELES
Violation Date: 09-24-2018
Citation: 22 CCR 12 66262.34(f) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.34(f)
Violation Description: Failure to properly label hazardous waste accumulation containers and portable tanks with the following requirements: "Hazardous Waste", name and address of the generator, physical and chemical characteristics of the Hazardous Waste, and starting accumulation date.
Violation Notes: Returned to compliance on 01/07/2019. Observation: Owner/operator failed to ensure all hazardous wastes are properly labeled with the required information. Observed all hazardous waste containers lacking the required hazardous waste labels. Corrective Action: Ensure all hazardous wastes are properly labeled with the required information.
Violation Division: Los Angeles County Fire Department
Violation Program: HW
Violation Source: CERS,

Site ID: 75138
Site Name: THE KOREA TIMES LOS ANGELES
Violation Date: 09-24-2018
Citation: 22 CCR 12 66262.40(a) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.40(a)
Violation Description: Failure to keep a copy of each properly signed manifest for at least three years from the date the waste was accepted by the initial transporter. The manifest signed at the time the waste was accepted for transport shall be kept until receiving a signed copy from the designated facility which received the waste.
Violation Notes: Returned to compliance on 01/07/2019. Observation: Owner/operator failed to provide complete manifest records for the last 3 years. Corrective Action: Maintain and provide manifests for the last 3 years for all hazardous wastes generated on site including the waste inks.
Violation Division: Los Angeles County Fire Department
Violation Program: HW
Violation Source: CERS,

Site ID: 75138
Site Name: THE KOREA TIMES LOS ANGELES
Violation Date: 09-24-2018
Citation: 40 CFR 1 265.31 - U.S. Code of Federal Regulations, Title 40, Chapter 1, Section(s) 265.31
Violation Description: Failure to maintain and operate the facility to minimize the possibility of a fire, explosion, or any unplanned sudden or non-sudden release of hazardous waste or hazardous waste constituents

THE KOREA TIMES LOS ANGELES (Continued) **S108432305**

to air, soil, or surface water which could threaten human health or the environment.

Violation Notes: Returned to compliance on 01/07/2019. Observation: Owner/operator failed to maintain the facility to prevent release of hazardous wastes. Observed accumulation of waste inks on the floor under and around the containers of waste inks. Corrective Action: Thoroughly clean up the area to remove the accumulation of waste inks on the floor under and around the containers of waste inks.
Violation Division: Los Angeles County Fire Department
Violation Program: HW
Violation Source: CERS,

Evaluation:
Eval General Type: Other/Unknown
Eval Date: 01-07-2019
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Los Angeles County Fire Department
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 05-18-2021
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: RAE KIM, DIRECTOR
Eval Division: Los Angeles County Fire Department
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 09-24-2018
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Rae Woon Kim
Eval Division: Los Angeles County Fire Department
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 11-13-2013
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Los Angeles County Fire Department
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 09-09-2021
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: RAE KIM, WAREHOUSE DIRECTOR
Eval Division: Los Angeles County Fire Department
Eval Program: HW
Eval Source: CERS,

THE KOREA TIMES LOS ANGELES (Continued) **S108432305**

Eval General Type: Compliance Evaluation Inspection
Eval Date: 11-13-2013
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: INSPECTED BY S. PHAN CONSENT GIVEN BY MICHAEL CHANG
Eval Division: Los Angeles County Fire Department
Eval Program: HW
Eval Source: CERS,

Coordinates:
Site ID: 75138
Facility Name: THE KOREA TIMES LOS ANGELES
Env Int Type Code: HWG
Program ID: 10259875
Coord Name: Not reported
Ref Point Type Desc: Center of a facility or station.,
Latitude: 34.030140
Longitude: -118.236110

Affiliation:
Affiliation Type Desc: Legal Owner
Entity Name: THE KOREA TIMES LOS ANGELES IN
Entity Title: Not reported
Affiliation Address: 4525 WILSHIRE BLVD
Affiliation City: LOS ANGELES
Affiliation State: CA
Affiliation Country: United States
Affiliation Zip: 90010
Affiliation Phone: (323) 692-2134,

Affiliation Type Desc: CUPA District
Entity Name: Los Angeles City Fire Department
Entity Title: Not reported
Affiliation Address: 200 North Main Street, Room 1780
Affiliation City: Los Angeles
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 90012
Affiliation Phone: (213) 978-3680,

Affiliation Type Desc: Facility Mailing Address
Entity Name: Mailing Address
Entity Title: Not reported
Affiliation Address: 4525 WILSHIRE BLVD
Affiliation City: LOS ANGELES
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 90010
Affiliation Phone: .

Affiliation Type Desc: Parent Corporation
Entity Name: THE KOREA TIMES LOS ANGELES
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported

THE KOREA TIMES LOS ANGELES (Continued) **S108432305**

Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	.

EMI:

Name:	KOREA TIMES OF LOS ANGELES
Address:	2017 E 8TH ST
City,State,Zip:	LOS ANGELES, CA 90021
Year:	2005
County Code:	19
Air Basin:	SC
Facility ID:	125154
Air District Name:	SC
SIC Code:	2711
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	1.48446
Reactive Organic Gases Tons/Yr:	1.48446
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Name:	KOREA TIMES OF LOS ANGELES
Address:	2017 E 8TH ST
City,State,Zip:	LOS ANGELES, CA 90021
Year:	2006
County Code:	19
Air Basin:	SC
Facility ID:	125154
Air District Name:	SC
SIC Code:	2711
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	2.653
Reactive Organic Gases Tons/Yr:	2.653
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Name:	KOREA TIMES OF LOS ANGELES
Address:	2017 E 8TH ST
City,State,Zip:	LOS ANGELES, CA 90021
Year:	2007
County Code:	19
Air Basin:	SC
Facility ID:	125154
Air District Name:	SC
SIC Code:	2711
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported

THE KOREA TIMES LOS ANGELES (Continued) **S108432305**

Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	2.653
Reactive Organic Gases Tons/Yr:	2.653
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Name:	KOREA TIMES OF LOS ANGELES
Address:	2017 E 8TH ST
City,State,Zip:	LOS ANGELES, CA 90021
Year:	2017
County Code:	19
Air Basin:	SC
Facility ID:	125154
Air District Name:	SC
SIC Code:	2711
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0.43
Reactive Organic Gases Tons/Yr:	0.43
Carbon Monoxide Emissions Tons/Yr:	Not reported
NOX - Oxides of Nitrogen Tons/Yr:	Not reported
SOX - Oxides of Sulphur Tons/Yr:	Not reported
Particulate Matter Tons/Yr:	Not reported
Part. Matter 10 Micrometers and Smllr Tons/Yr:	Not reported

Name:	KOREA TIMES OF LOS ANGELES
Address:	2017 E 8TH ST
City,State,Zip:	LOS ANGELES, CA 90021
Year:	2018
County Code:	19
Air Basin:	SC
Facility ID:	125154
Air District Name:	SC
SIC Code:	2711
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0.39670725
Reactive Organic Gases Tons/Yr:	0.39670725
Carbon Monoxide Emissions Tons/Yr:	Not reported
NOX - Oxides of Nitrogen Tons/Yr:	Not reported
SOX - Oxides of Sulphur Tons/Yr:	Not reported
Particulate Matter Tons/Yr:	Not reported
Part. Matter 10 Micrometers and Smllr Tons/Yr:	Not reported

R148 **LOS ANGELES SEED CO INC** **HAZMAT** **S123543886**
NW **736 S MERCHANT ST** **N/A**
1/8-1/4 **LOS ANGELES, CA 90021**
0.202 mi.
1066 ft. **Site 7 of 12 in cluster R**

Relative: **Higher**
Actual: **249 ft.**

LOS ANGELES HM:

Name:	LOS ANGELES SEED CO INC
Address:	736 S MERCHANT ST
City,State,Zip:	LOS ANGELES, CA 90021
Facility ID:	FA0007702
Last Run Date:	11/01/2022
Status:	INACTIVE

R149 **LOS ANGELES SEED COMPANY, INC** **SWEEPS UST** **1000590457**
NW **736 MERCHANT ST** **HIST UST** **N/A**
1/8-1/4 **LOS ANGELES, CA 90021** **CA FID UST**
0.202 mi.
1066 ft. **Site 8 of 12 in cluster R**

Relative: **Higher**
Actual: **249 ft.**

SWEEPS UST:

Name:	LOS ANGELES SEED COMPANY, INC
Address:	736 MERCHANT ST
City:	LOS ANGELES
Status:	Active
Comp Number:	676
Number:	1
Board Of Equalization:	44-011328
Referral Date:	03-10-93
Action Date:	03-10-93
Created Date:	02-29-88
Owner Tank Id:	Not reported
SWRCB Tank Id:	19-050-000676-000001
Tank Status:	A
Capacity:	2000
Active Date:	04-20-88
Tank Use:	M.V. FUEL
STG:	P
Content:	REG UNLEADED
Number Of Tanks:	1

HIST UST:

Name:	LOS ANGELES SEED COMPANY INC
Address:	736 MERCHANT STREET
City,State,Zip:	LOS ANGELES, CA 90021
File Number:	000278a0
URL:	https://documents.geotracker.waterboards.ca.gov/ustpdfs/pdf/000278a0.pdf
Region:	STATE
Facility ID:	00000006327
Facility Type:	Other
Other Type:	SEED COMPANY
Contact Name:	WALTER BRIGGS
Telephone:	2136231060
Owner Name:	LOS ANGELES SEED COMPANY, INC.
Owner Address:	736 MERCHANT STREET
Owner City,St,Zip:	LOS ANGELES, CA 90021
Total Tanks:	0001
Tank Num:	001

LOS ANGELES SEED COMPANY, INC (Continued) **1000590457**

Container Num:	1
Year Installed:	Not reported
Tank Capacity:	00002000
Tank Used for:	PRODUCT
Type of Fuel:	UNLEADED
Container Construction Thickness:	3/16
Leak Detection:	Stock Inventor

Click here for Geo Tracker PDF:

CA FID UST:

Facility ID:	19055335
Regulated By:	UTNKA
Regulated ID:	00006327
Cortese Code:	Not reported
SIC Code:	Not reported
Facility Phone:	2136231060
Mail To:	Not reported
Mailing Address:	736 MERCHANT ST
Mailing Address 2:	Not reported
Mailing City,St,Zip:	LOS ANGELES 900210000
Contact:	Not reported
Contact Phone:	Not reported
DUNs Number:	Not reported
NPDES Number:	Not reported
EPA ID:	Not reported
Comments:	Not reported
Status:	Active

R150 **LOS ANGELES SEED COMPANY,INC** **UST** **U003780077**
NW **736 MERCHANT ST** **N/A**
1/8-1/4 **LOS ANGELES, CA 90021**
0.202 mi.
1066 ft. **Site 9 of 12 in cluster R**

Relative:
Higher

Actual:
249 ft.

UST:

Name:	LOS ANGELES SEED COMPANY,INC
Address:	736 MERCHANT ST
City,State,Zip:	LOS ANGELES, CA 90021
Facility ID:	23549
Permitting Agency:	LOS ANGELES, CITY OF
CERSID:	Not reported
Latitude:	34.037268
Longitude:	-118.241197
Owner type:	Not reported
Facility type:	Not reported
Num of inuse ust:	Not reported
Num of closed ust:	Not reported
Num of oos ust:	Not reported
Epa region:	Not reported
Tribal lands:	Not reported
Tank owner name:	Not reported
Tank owner mailing address:	Not reported
Tank owner mailing city:	Not reported
Tank owner mailing zip:	Not reported
Tank owner mailing state:	Not reported
Tank operator name:	Not reported

LOS ANGELES SEED COMPANY,INC (Continued) **U003780077**

Tank operator mailing address:	Not reported
Tank operator mailing city:	Not reported
Tank operator mailing zip:	Not reported
Tank operator mailing state:	Not reported
Tankidnumber:	Not reported
Tank status:	Not reported
Tank configuration:	Not reported
Tank closure date:	Not reported
Tank installation date:	Not reported
Tank num of compartments:	Not reported
Tank contents:	Not reported
Tank capacity gallons:	Not reported
Tank type:	Not reported
Tank pc construction:	Not reported
Tank pwpiping construction:	Not reported
Tank piping type:	Not reported
Tank piping construction:	Not reported
Tank sacrificial anode:	Not reported
Tank cp impressed current:	Not reported
Tank cp shutoff:	Not reported
Tank alarms:	Not reported
Tank ball float:	Not reported
Tank spill bucket:	Not reported

R151 **LOS ANGELES SEED CO INC** **UST** **U004305956**
NW **736 S MERCHANT ST** **N/A**
1/8-1/4 **LOS ANGELES, CA 90021**
0.202 mi.
1066 ft. **Site 10 of 12 in cluster R**

Relative: **Higher**
Actual: **249 ft.**

LOS ANGELES UST:

Name:	LOS ANGELES SEED CO INC
Address:	736 S MERCHANT ST
City,State,Zip:	LOS ANGELES, CA 90021
Facility ID:	FA0007702
Last Run Date:	11/01/2022
Status:	INACTIVE

AC152 **UST** **U004299413**
West **1261 E 8TH ST** **N/A**
1/8-1/4 **LOS ANGELES, CA**
0.202 mi.
1068 ft. **Site 2 of 20 in cluster AC**

Relative: **Lower**
Actual: **245 ft.**

LOS ANGELES UST:

Name:	Not reported
Address:	1261 E 8TH ST
City,State,Zip:	LOS ANGELES, CA
Facility ID:	Not reported
Last Run Date:	01/01/1900
Status:	HISTORICAL

AB153
SSW
1/8-1/4
0.203 mi.
1073 ft.

BRACHMON
1610 E OLYMPIC BLVD
LOS ANGELES, CA 90021

Site 2 of 3 in cluster AB

SWEEPS UST **S101586886**
CA FID UST **N/A**

Relative:
Lower

Actual:
240 ft.

SWEEPS UST:

Name:	BRACHMON
Address:	1610 E OLYMPIC BLVD
City:	LOS ANGELES
Status:	Not reported
Comp Number:	7028
Number:	Not reported
Board Of Equalization:	Not reported
Referral Date:	Not reported
Action Date:	Not reported
Created Date:	Not reported
Owner Tank Id:	Not reported
SWRCB Tank Id:	Not reported
Tank Status:	Not reported
Capacity:	Not reported
Active Date:	Not reported
Tank Use:	Not reported
STG:	Not reported
Content:	Not reported
Number Of Tanks:	Not reported

CA FID UST:

Facility ID:	19054572
Regulated By:	UTNKI
Regulated ID:	Not reported
Cortese Code:	Not reported
SIC Code:	Not reported
Facility Phone:	2130000000
Mail To:	Not reported
Mailing Address:	1610 E OLYMPIC BLVD
Mailing Address 2:	Not reported
Mailing City,St,Zip:	LOS ANGELES 900210000
Contact:	Not reported
Contact Phone:	Not reported
DUNs Number:	Not reported
NPDES Number:	Not reported
EPA ID:	Not reported
Comments:	Not reported
Status:	Inactive

AB154
SSW
1/8-1/4
0.203 mi.
1073 ft.

1610 E OLYMPIC BLVD
LOS ANGELES, CA

Site 3 of 3 in cluster AB

UST **U004300281**
N/A

Relative:
Lower

Actual:
240 ft.

LOS ANGELES UST:

Name:	Not reported
Address:	1610 E OLYMPIC BLVD
City,State,Zip:	LOS ANGELES, CA
Facility ID:	Not reported
Last Run Date:	01/01/1900
Status:	HISTORICAL

R155
NW
1/8-1/4
0.205 mi.
1084 ft.

738 MERCHANT ST
LOS ANGELES, CA

Site 11 of 12 in cluster R

Relative:
Higher

Actual:
249 ft.

UST **U004304304**
N/A

LOS ANGELES UST:

Name:	Not reported
Address:	738 MERCHANT ST
City,State,Zip:	LOS ANGELES, CA
Facility ID:	Not reported
Last Run Date:	01/01/1900
Status:	HISTORICAL

R156
NW
1/8-1/4
0.206 mi.
1087 ft.

THINK GREEN RECYCLE
740 MERCHANT ST
LOS ANGELES, CA 90021

Site 12 of 12 in cluster R

Relative:
Higher

Actual:
249 ft.

SWRCY **S125954923**
N/A

SWRCY:

Name:	THINK GREEN RECYCLE
Address:	740 MERCHANT ST
City,State,Zip:	LOS ANGELES, CA 90021
Reg Id:	Not reported
Cert Id:	RC296856.001
Mailing Address:	3101 S Fairview St Ste 120
Mailing City:	Santa Ana
Mailing State:	CA
Mailing Zip Code:	92704
Website:	Not reported
Email:	Not reported
Phone Number:	(949) 244-7726
Rural:	N
Operation Begin Date:	03/02/2020
Aluminium:	Not reported
Glass:	Not reported
Plastic:	Not reported
Bimetal:	Not reported
Hours of Operation:	Mon - Fri 8:00 am - 4:00 pm; Sat - Sun 8:00 am - 2:00 pm
Organization ID:	Not reported
Organization Name:	Think Green Recycle

157
ESE
1/8-1/4
0.209 mi.
1101 ft.

COAST PRODUCE CO
1791 BAY ST
LOS ANGELES, CA 90021

Relative:
Lower

Actual:
242 ft.

HAZMAT **S123518634**
CERS **N/A**

LOS ANGELES HM:

Name:	COAST PRODUCE CO.
Address:	1791 BAY ST
City,State,Zip:	LOS ANGELES, CA 90021
Facility ID:	FA0039874
Last Run Date:	11/01/2022
Status:	ACTIVE

COAST PRODUCE CO (Continued) **S123518634**

CERS:
- Name: COAST PRODUCE CO
- Address: 1791 BAY ST
- City,State,Zip: LOS ANGELES, CA 90021
- Site ID: 419238
- CERS ID: 10728763
- CERS Description: Chemical Storage Facilities

Violations:
- Site ID: 419238
- Site Name: Coast Produce Co
- Violation Date: 03-31-2022
- Citation: HSC 6.95 25508.2 - California Health and Safety Code, Chapter 6.95, Section(s) 25508.2
- Violation Description: Failure to annually review and electronically certify that the business plan is complete and accurate on or before the annual due date.
- Violation Notes: Not reported
- Violation Division: Los Angeles City Fire Department
- Violation Program: HMRRP
- Violation Source: CERS,

Evaluation:
- Eval General Type: Compliance Evaluation Inspection
- Eval Date: 03-31-2022
- Violations Found: Yes
- Eval Type: Routine done by local agency
- Eval Notes: Consent to enter, inspect and take photographs was given by: Jason Romero The Business Activities, Owner/Operator Identification, Hazardous Materials Inventory, Site Map, Emergency Response/Contingency Plan and Employee Training Plan sections were reviewed in CERS and field verified. Review and correct any violations indicated previously in this report, on or before the COMPLY BY date associated with each violation. NOTE: The LAMC, Sections (L.A.M.C. SECTION 57.105.1.4; 57.120.3; 57.121.2 and 57.121.2.1.) requires businesses that store, use or handle hazardous materials in the City of Los Angeles to obtain a Consolidated Permit from the Los Angeles Fire Department CUPA **** Annual submission of a Hazardous Materials Business Plan into California Environmental Reporting System (CERS) is required between January 1 and March 1 of every year. Per L.A.M.C. 57.121.3.5, failure to submit the required hazardous material business plan (HMBP) information annually into [Truncated]
- Eval Division: Los Angeles City Fire Department
- Eval Program: HMRRP
- Eval Source: CERS,

Coordinates:
- Site ID: 419238
- Facility Name: Coast Produce Co
- Env Int Type Code: HMBP
- Program ID: 10728763
- Coord Name: Not reported
- Ref Point Type Desc: Center of a facility or station.,
- Latitude: 34.031920
- Longitude: -118.235310

COAST PRODUCE CO (Continued) **S123518634**

Affiliation:

Affiliation Type Desc:	CUPA District
Entity Name:	Los Angeles City Fire Department
Entity Title:	Not reported
Affiliation Address:	200 North Main Street, Room 1780
Affiliation City:	Los Angeles
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	90012
Affiliation Phone:	(213) 978-3680,
Affiliation Type Desc:	Document Preparer
Entity Name:	Joe Atoigue
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	.
Affiliation Type Desc:	Identification Signer
Entity Name:	JOE ATOIGUE
Entity Title:	OPERATIONS AND LOGISTICS MANAGER
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	.
Affiliation Type Desc:	Property Owner
Entity Name:	OLYMPIC FRUIT AND VEGETABLE
Entity Title:	Not reported
Affiliation Address:	1611 BAY STREET
Affiliation City:	LOS ANGELES
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	90021
Affiliation Phone:	(213) 955-3444,
Affiliation Type Desc:	Environmental Contact
Entity Name:	Thomas Lee
Entity Title:	Not reported
Affiliation Address:	1791 BAY STREET
Affiliation City:	LOS ANGELES
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	90021
Affiliation Phone:	.
Affiliation Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	Not reported
Affiliation Address:	1791 BAY STREET
Affiliation City:	LOS ANGELES
Affiliation State:	CA

COAST PRODUCE CO (Continued) **S123518634**

Affiliation Country:	Not reported
Affiliation Zip:	90021
Affiliation Phone:	.
Affiliation Type Desc:	Legal Owner
Entity Name:	JOHN DUNN
Entity Title:	Not reported
Affiliation Address:	1791 BAY STREET
Affiliation City:	LOS ANGELES
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	90021
Affiliation Phone:	(213) 709-3906,
Affiliation Type Desc:	Operator
Entity Name:	COAST PRODUCE CO.
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	(213) 500-1155,
Affiliation Type Desc:	Parent Corporation
Entity Name:	COAST PRODUCE CO.
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	.

AC158 **CARDLOCK FUEL** **UST** **U004345526**
WNW **791 S CENTRAL AVE** **N/A**
1/8-1/4 **LOS ANGELES, CA 90021**
0.209 mi.
1104 ft. **Site 3 of 20 in cluster AC**

Relative: UST:
Higher

Actual: Name:	CARDLOCK FUEL
246 ft. Address:	791 S CENTRAL AVE
City,State,Zip:	LOS ANGELES, CA 90021
Facility ID:	23854
Permitting Agency:	LOS ANGELES, CITY OF
CERSID:	Not reported
Latitude:	34.03448
Longitude:	-118.24278
Owner type:	Not reported
Facility type:	Not reported
Num of inuse ust:	Not reported
Num of closed ust:	Not reported
Num of oos ust:	Not reported
Epa region:	Not reported
Tribal lands:	Not reported
Tank owner name:	Not reported

CARDLOCK FUEL (Continued) **U004345526**

Tank owner mailing address:	Not reported
Tank owner mailing city:	Not reported
Tank owner mailing zip:	Not reported
Tank owner mailing state:	Not reported
Tank operator name:	Not reported
Tank operator mailing address:	Not reported
Tank operator mailing city:	Not reported
Tank operator mailing zip:	Not reported
Tank operator mailing state:	Not reported
Tankidnumber:	Not reported
Tank status:	Not reported
Tank configuration:	Not reported
Tank closure date:	Not reported
Tank installation date:	Not reported
Tank num of compartments:	Not reported
Tank contents:	Not reported
Tank capacity gallons:	Not reported
Tank type:	Not reported
Tank pc construction:	Not reported
Tank pwpiping construction:	Not reported
Tank piping type:	Not reported
Tank piping construction:	Not reported
Tank sacrificial anode:	Not reported
Tank cp impressed current:	Not reported
Tank cp shutoff:	Not reported
Tank alarms:	Not reported
Tank ball float:	Not reported
Tank spill bucket:	Not reported

AC159 **CARDLOCK FUEL SYSTEM 121** **UST** **U003780340**
WNW **791 S CENTRAL AVE** **N/A**
1/8-1/4 **LOS ANGELES, CA 90021**
0.209 mi.
1104 ft. **Site 4 of 20 in cluster AC**

Relative: **Higher**
Actual: **246 ft.**

LOS ANGELES UST:

Name:	CARDLOCK FUEL SYSTEM 121
Address:	791 S CENTRAL AVE
City,State,Zip:	LOS ANGELES, CA 90021
Facility ID:	FA0030678
Last Run Date:	11/01/2022
Status:	INACTIVE

AC160 **SERVICE STATION 4010** **HIST UST** **1000166950**
WNW **791 S CENTRAL AVE** **N/A**
1/8-1/4 **LOS ANGELES, CA 90021**
0.209 mi.
1104 ft. **Site 5 of 20 in cluster AC**

Relative: **Higher**
Actual: **246 ft.**

HIST UST:

Name:	SERVICE STATION 4010
Address:	791 S CENTRAL AVE
City,State,Zip:	LOS ANGELES, CA 90021
File Number:	000291e1
URL:	https://documents.geotracker.waterboards.ca.gov/ustpdfs/pdf/000291e1.pdf
Region:	STATE

SERVICE STATION 4010 (Continued) **1000166950**

Facility ID:	00000018962
Facility Type:	Gas Station
Other Type:	Not reported
Contact Name:	WALJAC INC
Telephone:	2136270677
Owner Name:	UNION OIL COMPANY OF CALIFORNI
Owner Address:	3701 WILSHIRE BOULEVARD - SUIT
Owner City,St,Zip:	LOS ANGELES, CA 90010
Total Tanks:	0003
Tank Num:	001
Container Num:	4010-1
Year Installed:	1983
Tank Capacity:	00011763
Tank Used for:	PRODUCT
Type of Fuel:	UNLEADED
Container Construction Thickness:	Not reported
Leak Detection:	Stock Inventor, Pressure Test, 10
Tank Num:	002
Container Num:	4010-2
Year Installed:	1983
Tank Capacity:	00011763
Tank Used for:	PRODUCT
Type of Fuel:	PREMIUM
Container Construction Thickness:	Not reported
Leak Detection:	Stock Inventor, Pressure Test, 10
Tank Num:	003
Container Num:	4010-4
Year Installed:	1960
Tank Capacity:	00000280
Tank Used for:	WASTE
Type of Fuel:	WASTE OIL
Container Construction Thickness:	Not reported
Leak Detection:	Stock Inventor, Pressure Test, 10

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AC161
WNW
1/8-1/4
0.209 mi.
1104 ft.

UNOCAL 76, SERVICE STA. #4010
791 S CENTRAL AVE
LOS ANGELES, CA 90021

Site 6 of 20 in cluster AC

SWEEPS UST **S101585426**
HIST UST **N/A**
CA FID UST
HAZMAT

Relative:
Higher

Actual:
246 ft.

SWEEPS UST:

Name:	UNOCAL 76, SERVICE STA. #4010
Address:	791 S CENTRAL AVE
City:	LOS ANGELES
Status:	Active
Comp Number:	3001
Number:	1
Board Of Equalization:	44-012702
Referral Date:	09-17-93
Action Date:	03-18-94
Created Date:	02-29-88
Owner Tank Id:	Not reported
SWRCB Tank Id:	19-050-003001-000001

UNOCAL 76, SERVICE STA. #4010 (Continued) **S101585426**

Tank Status: A
Capacity: 12000
Active Date: 04-20-88
Tank Use: M.V. FUEL
STG: P
Content: REG UNLEADED
Number Of Tanks: 3

Name: UNOCAL 76, SERVICE STA. #4010
Address: 791 S CENTRAL AVE
City: LOS ANGELES
Status: Active
Comp Number: 3001
Number: 1
Board Of Equalization: 44-012702
Referral Date: 09-17-93
Action Date: 03-18-94
Created Date: 02-29-88
Owner Tank Id: Not reported
SWRCB Tank Id: 19-050-003001-000002
Tank Status: A
Capacity: 12000
Active Date: 04-20-88
Tank Use: M.V. FUEL
STG: P
Content: REG UNLEADED
Number Of Tanks: Not reported

Name: UNOCAL 76, SERVICE STA. #4010
Address: 791 S CENTRAL AVE
City: LOS ANGELES
Status: Active
Comp Number: 3001
Number: 1
Board Of Equalization: 44-012702
Referral Date: 09-17-93
Action Date: 03-18-94
Created Date: 02-29-88
Owner Tank Id: Not reported
SWRCB Tank Id: 19-050-003001-000003
Tank Status: A
Capacity: 500
Active Date: 04-20-88
Tank Use: OIL
STG: W
Content: WASTE OIL
Number Of Tanks: Not reported

HIST UST:
Name: UNION OIL SERVICE STATION 401
Address: 791 SOUTH CENTRAL AVENUE
City,State,Zip: LOS ANGELES, CA 90021
File Number: 0002830a
URL: https://documents.geotracker.waterboards.ca.gov/ustpdfs/pdf/0002830a.pdf
Region: Not reported
Facility ID: Not reported
Facility Type: Not reported

UNOCAL 76, SERVICE STA. #4010 (Continued) **S101585426**

Other Type:	Not reported
Contact Name:	Not reported
Telephone:	Not reported
Owner Name:	Not reported
Owner Address:	Not reported
Owner City,St,Zip:	Not reported
Total Tanks:	Not reported
Tank Num:	Not reported
Container Num:	Not reported
Year Installed:	Not reported
Tank Capacity:	Not reported
Tank Used for:	Not reported
Type of Fuel:	Not reported
Container Construction Thickness:	Not reported
Leak Detection:	Not reported

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CA FID UST:

Facility ID:	19023316
Regulated By:	UTNKA
Regulated ID:	00055524
Cortese Code:	Not reported
SIC Code:	Not reported
Facility Phone:	2136223946
Mail To:	Not reported
Mailing Address:	17700 CASTLETON ST
Mailing Address 2:	Not reported
Mailing City,St,Zip:	LOS ANGELES 900210000
Contact:	Not reported
Contact Phone:	Not reported
DUNs Number:	Not reported
NPDES Number:	Not reported
EPA ID:	Not reported
Comments:	Not reported
Status:	Active

LOS ANGELES HM:

Name:	CARDLOCK FUEL SYSTEM 121
Address:	791 S CENTRAL AVE
City,State,Zip:	LOS ANGELES, CA 90021
Facility ID:	FA0030678
Last Run Date:	11/01/2022
Status:	INACTIVE

AC162 **CFS 121 CENTRAL** **UST** **U004354362**
WNW **791 S CENTRAL AVE** **N/A**
1/8-1/4 **LOS ANGELES, CA 90021**
0.209 mi.
1104 ft. **Site 7 of 20 in cluster AC**

Relative: **Higher**
Actual: **246 ft.**

UST:

Name:	CFS 121 CENTRAL
Address:	791 S CENTRAL AVE
City,State,Zip:	LOS ANGELES, CA 90021
Facility ID:	FA0030678

CFS 121 CENTRAL (Continued) **U004354362**

Permitting Agency:	Los Angeles City Fire Department
CERSID:	10254331
Latitude:	34.0344200
Longitude:	-118.243550
Owner type:	Not reported
Facility type:	Not reported
Num of inuse ust:	Not reported
Num of closed ust:	Not reported
Num of oos ust:	Not reported
Epa region:	Not reported
Tribal lands:	Not reported
Tank owner name:	Not reported
Tank owner mailing address:	Not reported
Tank owner mailing city:	Not reported
Tank owner mailing zip:	Not reported
Tank owner mailing state:	Not reported
Tank operator name:	Not reported
Tank operator mailing address:	Not reported
Tank operator mailing city:	Not reported
Tank operator mailing zip:	Not reported
Tank operator mailing state:	Not reported
Tankidnumber:	Not reported
Tank status:	Not reported
Tank configuration:	Not reported
Tank closure date:	Not reported
Tank installation date:	Not reported
Tank num of compartments:	Not reported
Tank contents:	Not reported
Tank capacity gallons:	Not reported
Tank type:	Not reported
Tank pc construction:	Not reported
Tank pwpiping construction:	Not reported
Tank piping type:	Not reported
Tank piping construction:	Not reported
Tank sacrificial anode:	Not reported
Tank cp impressed current:	Not reported
Tank cp shutoff:	Not reported
Tank alarms:	Not reported
Tank ball float:	Not reported
Tank spill bucket:	Not reported

AC163 **CONTINENTAL AUTO-UNION 76** **HIST UST** **U001560860**
WNW **791 S CENTRAL** **N/A**
1/8-1/4 **LOS ANGELES, CA 90021**
0.209 mi.
1104 ft. **Site 8 of 20 in cluster AC**

Relative: HIST UST:
Higher

Actual: Name:	CONTINENTAL AUTO-UNION 76
246 ft. Address:	791 S CENTRAL
City,State,Zip:	LOS ANGELES, CA 90021
File Number:	0002860e
URL:	https://documents.geotracker.waterboards.ca.gov/ustpdfs/pdf/0002860e.pdf
Region:	STATE
Facility ID:	00000055524
Facility Type:	Gas Station
Other Type:	Not reported
Contact Name:	GARY BOWERS

CONTINENTAL AUTO-UNION 76 (Continued) **U001560860**

Telephone:	2136223946
Owner Name:	WALJAC INC.
Owner Address:	1246 EAST OLYMPIC
Owner City,St,Zip:	LOS ANGELES, CA 90021
Total Tanks:	0003
Tank Num:	001
Container Num:	2
Year Installed:	1984
Tank Capacity:	00012000
Tank Used for:	PRODUCT
Type of Fuel:	PREMIUM
Container Construction Thickness:	Not reported
Leak Detection:	Visual, Stock Inventor
Tank Num:	002
Container Num:	1
Year Installed:	1984
Tank Capacity:	00012000
Tank Used for:	PRODUCT
Type of Fuel:	PREMIUM
Container Construction Thickness:	Not reported
Leak Detection:	Visual, Stock Inventor
Tank Num:	003
Container Num:	3
Year Installed:	Not reported
Tank Capacity:	00000500
Tank Used for:	WASTE
Type of Fuel:	WASTE OIL
Container Construction Thickness:	Not reported
Leak Detection:	Visual, Stock Inventor

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AC164 **CARDLOCK FUELS SYSTEM INC** **RCRA NonGen / NLR** **1024796034**
WNW **791 S CENTRAL AVE** **CAL000172206**
1/8-1/4 **LOS ANGELES, CA 90021**
0.209 mi.
1104 ft. **Site 9 of 20 in cluster AC**

Relative: RCRA Listings:
Higher

Date Form Received by Agency:	19980610
Handler Name:	CARDLOCK FUELS SYSTEM INC
Handler Address:	791 S CENTRAL AVE
Handler City,State,Zip:	LOS ANGELES, CA 90021-0000
EPA ID:	CAL000172206
Contact Name:	ERIN SCHATZ
Contact Address:	PO BOX 7003
Contact City,State,Zip:	LANCASTER, CA 93539-0000
Contact Telephone:	714-516-7297
Contact Fax:	Not reported
Contact Email:	SCHATZE@SCFUELS.COM
Contact Title:	Not reported
EPA Region:	09
Land Type:	Not reported
Federal Waste Generator Description:	Not a generator, verified
Non-Notifier:	Not reported

Actual:
246 ft.

CARDLOCK FUELS SYSTEM INC (Continued) **1024796034**

Biennial Report Cycle:		Not reported
Accessibility:		Not reported
Active Site Indicator:		Handler Activities
State District Owner:		Not reported
State District:		Not reported
Mailing Address:		PO BOX 7003
Mailing City,State,Zip:		LANCASTER, CA 93539-0000
Owner Name:	CARDLOCK FUELS SYSTEM INC	
Owner Type:		Other
Operator Name:	ERIN SCHATZ	
Operator Type:		Other
Short-Term Generator Activity:		No
Importer Activity:		No
Mixed Waste Generator:		No
Transporter Activity:		No
Transfer Facility Activity:		No
Recycler Activity with Storage:		No
Small Quantity On-Site Burner Exemption:		No
Smelting Melting and Refining Furnace Exemption:		No
Underground Injection Control:		No
Off-Site Waste Receipt:		No
Universal Waste Indicator:		Yes
Universal Waste Destination Facility:		Yes
Federal Universal Waste:		No
Active Site Fed-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site Converter Treatment storage and Disposal Facility:		Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site State-Reg Handler:		---
Federal Facility Indicator:		Not reported
Hazardous Secondary Material Indicator:		N
Sub-Part K Indicator:		Not reported
Commercial TSD Indicator:		No
Treatment Storage and Disposal Type:		Not reported
2018 GPRA Permit Baseline:		Not on the Baseline
2018 GPRA Renewals Baseline:		Not on the Baseline
Permit Renewals Workload Universe:		Not reported
Permit Workload Universe:		Not reported
Permit Progress Universe:		Not reported
Post-Closure Workload Universe:		Not reported
Closure Workload Universe:		Not reported
202 GPRA Corrective Action Baseline:		No
Corrective Action Workload Universe:		No
Subject to Corrective Action Universe:		No
Non-TSDFs Where RCRA CA has Been Imposed Universe:		No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:		No
TSDFs Only Subject to CA under Discretionary Auth Universe:		No
Corrective Action Priority Ranking:		No NCAPS ranking
Environmental Control Indicator:		No
Institutional Control Indicator:		No
Human Exposure Controls Indicator:		N/A
Groundwater Controls Indicator:		N/A
Operating TSDF Universe:		Not reported
Full Enforcement Universe:		Not reported
Significant Non-Complier Universe:		No
Unaddressed Significant Non-Complier Universe:		No
Addressed Significant Non-Complier Universe:		No
Significant Non-Complier With a Compliance Schedule Universe:		No

CARDLOCK FUELS SYSTEM INC (Continued) **1024796034**

Financial Assurance Required:	Not reported
Handler Date of Last Change:	20180905
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Operator
Owner/Operator Name: ERIN SCHATZ	
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	PO BOX 7003
Owner/Operator City,State,Zip:	LANCASTER, CA 93539-0000
Owner/Operator Telephone:	714-516-7297
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Owner
Owner/Operator Name: CARDLOCK FUELS SYSTEM INC	
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	PO BOX 7003
Owner/Operator City,State,Zip:	LANCASTER, CA 93539-7003
Owner/Operator Telephone:	800-441-1215
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	19980610
Handler Name: CARDLOCK FUELS SYSTEM INC	
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

List of NAICS Codes and Descriptions:

NAICS Code:	44719
NAICS Description:	OTHER GASOLINE STATIONS

Facility Has Received Notices of Violations:

CARDLOCK FUELS SYSTEM INC (Continued) **1024796034**

Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

AC165 **UNION OIL SERVICE STATION #401** **HIST UST** **U001560907**
WNW **791 S CENTRAL AVE** **N/A**
1/8-1/4 **LOS ANGELES, CA 90021**
0.209 mi.
1104 ft. **Site 10 of 20 in cluster AC**

Relative: **Higher**
Actual: **246 ft.**

HIST UST:

Name:	UNION OIL SERVICE STATION #401
Address:	791 S CENTRAL AVE
City,State,Zip:	LOS ANGELES, CA 90021
File Number:	Not reported
URL:	Not reported
Region:	STATE
Facility ID:	00000056012
Facility Type:	Gas Station
Other Type:	Not reported
Contact Name:	WALJAC, INC.
Telephone:	2136270677
Owner Name:	UNION OIL COMPANY OF CALIFORNI
Owner Address:	3701 WILSHIRE BOULEVARD-SUITE
Owner City,St,Zip:	LOS ANGELES, CA 90010
Total Tanks:	0001
Tank Num:	001
Container Num:	4010-00
Year Installed:	Not reported
Tank Capacity:	00000000
Tank Used for:	WASTE
Type of Fuel:	06
Container Construction Thickness:	Not reported
Leak Detection:	None

AC166 **76 PRODUCTS STATION #4010** **LUST** **S102590634**
WNW **791 CENTRAL AVE S** **Cortese** **N/A**
1/8-1/4 **LOS ANGELES, CA 90021** **HIST CORTESE**
0.209 mi. **CERS**
1104 ft. **Site 11 of 20 in cluster AC**

Relative: **Higher**
Actual: **246 ft.**

LUST:

Name:	76 PRODUCTS STATION #4010
Address:	791 CENTRAL AVE S
City,State,Zip:	LOS ANGELES, CA 90021
Lead Agency:	LOS ANGELES, CITY OF
Case Type:	LUST Cleanup Site
Geo Track:	http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0603700647
Global Id:	T0603700647
Latitude:	34.0336613
Longitude:	-118.2432632
Status:	Completed - Case Closed
Status Date:	09/04/1997

76 PRODUCTS STATION #4010 (Continued) **S102590634**

Case Worker:	EL
RB Case Number:	900210070
Local Agency:	LOS ANGELES, CITY OF
File Location:	Not reported
Local Case Number:	Not reported
Potential Media Affect:	Soil
Potential Contaminants of Concern:	Other Solvent or Non-Petroleum Hydrocarbon
Site History:	Not reported

LUST:

Global Id:	T0603700647
Contact Type:	Local Agency Caseworker
Contact Name:	ELOY LUNA
Organization Name:	LOS ANGELES, CITY OF
Address:	200 North Main Street, Suite 1780
City:	LOS ANGELES
Email:	eloy.luna@lacity.org
Phone Number:	Not reported

Global Id:	T0603700647
Contact Type:	Regional Board Caseworker
Contact Name:	YUE RONG
Organization Name:	LOS ANGELES RWQCB (REGION 4)
Address:	320 W. 4TH ST., SUITE 200
City:	Los Angeles
Email:	yrong@waterboards.ca.gov
Phone Number:	Not reported

LUST:

Global Id:	T0603700647
Action Type:	Other
Date:	09/22/1994
Action:	Leak Discovery

Global Id:	T0603700647
Action Type:	Other
Date:	09/23/1994
Action:	Leak Reported

LUST:

Global Id:	T0603700647
Status:	Open - Case Begin Date
Status Date:	09/22/1994

Global Id:	T0603700647
Status:	Completed - Case Closed
Status Date:	09/04/1997

LUST REG 4:

Region:	4
Regional Board:	04
County:	Los Angeles
Facility Id:	900210070
Status:	Case Closed
Substance:	Hydrocarbons

76 PRODUCTS STATION #4010 (Continued) **S102590634**

Substance Quantity:	Not reported	
Local Case No:	Not reported	
Case Type:	Soil	
Abatement Method Used at the Site:		Not reported
Global ID:	T0603700647	
W Global ID:	W0605100582	
Staff:	UNK	
Local Agency:	19050	
Cross Street:	OLYMPIC BLVD	
Enforcement Type:	Not reported	
Date Leak Discovered:	9/22/1994	
Date Leak First Reported:		9/23/1994
Date Leak Record Entered:	4/12/1996	
Date Confirmation Began:	Not reported	
Date Leak Stopped:	Not reported	
Date Case Last Changed on Database:		9/4/1997
Date the Case was Closed:		9/4/1997
How Leak Discovered:	OM	
How Leak Stopped:	Not reported	
Cause of Leak:	Overfill	
Leak Source:	UNK	
Operator:	MICHAEL BRYAN	
Water System:	YMCA CAMP OF LOS ANGELES 2	
Well Name:	Not reported	
Approx. Dist To Production Well (ft):		5185.037369373838702335134045
Source of Cleanup Funding:		UNK
Preliminary Site Assessment Workplan Submitted:		Not reported
Preliminary Site Assessment Began:		Not reported
Pollution Characterization Began:		Not reported
Remediation Plan Submitted:		Not reported
Remedial Action Underway:		Not reported
Post Remedial Action Monitoring Began:		Not reported
Enforcement Action Date:		Not reported
Historical Max MTBE Date:		Not reported
Hist Max MTBE Conc in Groundwater:		Not reported
Hist Max MTBE Conc in Soil:		Not reported
Significant Interim Remedial Action Taken:		Not reported
GW Qualifier:	Not reported	
Soil Qualifier:	Not reported	
Organization:	Not reported	
Owner Contact:	Not reported	
Responsible Party:	TOSCO/76 PRODUCTS TEAM	
RP Address:	555 ANTON, COSTA MESA, CA 92626	
Program:	LUST	
Lat/Long:	34.0339008 / -1	
Local Agency Staff:	PEJ	
Beneficial Use:	Not reported	
Priority:	Not reported	
Cleanup Fund Id:	Not reported	
Suspended:	Not reported	
Assigned Name:	2600582-001GEN	
Summary:	OLD CASE #960412-02	

CORTESE:

Name:	76 PRODUCTS STATION #4010
Address:	791 CENTRAL AVE S
City,State,Zip:	LOS ANGELES, CA 90021

76 PRODUCTS STATION #4010 (Continued) **S102590634**

Region:	CORTESE
Envirostor Id:	Not reported
Global ID:	T0603700647
Site/Facility Type:	LUST CLEANUP SITE
Cleanup Status:	COMPLETED - CASE CLOSED
Status Date:	Not reported
Site Code:	Not reported
Latitude:	Not reported
Longitude:	Not reported
Owner:	Not reported
Enf Type:	Not reported
Swat R:	Not reported
Flag:	active
Order No:	Not reported
Waste Discharge System No:	Not reported
Effective Date:	Not reported
Region 2:	Not reported
WID Id:	Not reported
Solid Waste Id No:	Not reported
Waste Management Uit Name:	Not reported
File Name:	Active Open

HIST CORTESE:

edr_fname:	76 PRODUCTS STATION #4010
edr_fadd1:	791 CENTRAL
City,State,Zip:	LOS ANGELES, CA 90021
Region:	CORTESE
Facility County Code:	19
Reg By:	LTNKA
Reg Id:	900210070

CERS:

Name:	76 PRODUCTS STATION #4010
Address:	791 CENTRAL AVE S
City,State,Zip:	LOS ANGELES, CA 90021
Site ID:	248497
CERS ID:	T0603700647
CERS Description:	Leaking Underground Storage Tank Cleanup Site

Affiliation:

Affiliation Type Desc:	Local Agency Caseworker
Entity Name:	ELOY LUNA - LOS ANGELES, CITY OF
Entity Title:	Not reported
Affiliation Address:	200 North Main Street, Suite 1780
Affiliation City:	LOS ANGELES
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	.
Affiliation Type Desc:	Regional Board Caseworker
Entity Name:	YUE RONG - LOS ANGELES RWQCB (REGION 4)
Entity Title:	Not reported
Affiliation Address:	320 W. 4TH ST., SUITE 200
Affiliation City:	Los Angeles
Affiliation State:	CA
Affiliation Country:	Not reported

76 PRODUCTS STATION #4010 (Continued) **S102590634**

Affiliation Zip: Not reported
Affiliation Phone: .

AE167 **LA COUNTY METROPOLITAN TRANSP DIV 1** **AST** **1006831616**
North **1130 E 6TH ST** **CERS HAZ WASTE** **N/A**
1/8-1/4 **LOS ANGELES, CA 90021** **CERS TANKS**
0.210 mi. **EMI**
1107 ft. **Site 1 of 11 in cluster AE** **NPDES**
HAZMAT
Relative: **CIWQS**
Higher **CERS**
HWTS
Actual:
253 ft.

LOS ANGELES AST:
Facility ID: FA0020679
Name: LA COUNTY METROPOLITAN TRANSP DIV 1
Address: 1130 E 6TH ST
City,State,Zip: LOS ANGELES, CA 90021
Last Run Date: 06/01/2019
Status: ACTIVE

CERS HAZ WASTE:
Name: LA COUNTY METROPOLITAN TRANSP DIV 1
Address: 1130 E 6TH ST
City,State,Zip: LOS ANGELES, CA 90021
Site ID: 42607
CERS ID: 10247662
CERS Description: Hazardous Waste Generator

CERS TANKS:
Name: LA COUNTY METROPOLITAN TRANSP DIV 1
Address: 1130 E 6TH ST
City,State,Zip: LOS ANGELES, CA 90021
Site ID: 42607
CERS ID: 10247662
CERS Description: Underground Storage Tank

Name: LA COUNTY METROPOLITAN TRANSP DIV 1
Address: 1130 E 6TH ST
City,State,Zip: LOS ANGELES, CA 90021
Site ID: 42607
CERS ID: 10247662
CERS Description: Aboveground Petroleum Storage

EMI:
Name: LA CO., METROPOLITAN TRANS AUTHORITY
Address: 1130 E 6TH ST
City,State,Zip: LOS ANGELES, CA 90021
Year: 2002
County Code: 19
Air Basin: SC
Facility ID: 53744
Air District Name: SC
SIC Code: 4111
Air District Name: SOUTH COAST AQMD

LA COUNTY METROPOLITAN TRANSP DIV 1 (Continued) **1006831616**

Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Name:	LA CO., METROPOLITAN TRANS AUTHORITY
Address:	1130 E 6TH ST
City,State,Zip:	LOS ANGELES, CA 90021
Year:	2003
County Code:	19
Air Basin:	SC
Facility ID:	53744
Air District Name:	SC
SIC Code:	4111
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Name:	LA CO., METROPOLITAN TRANS AUTHORITY
Address:	1130 E 6TH ST
City,State,Zip:	LOS ANGELES, CA 90021
Year:	2004
County Code:	19
Air Basin:	SC
Facility ID:	53744
Air District Name:	SC
SIC Code:	4111
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0.126801
Reactive Organic Gases Tons/Yr:	0.11
Carbon Monoxide Emissions Tons/Yr:	0.0632
NOX - Oxides of Nitrogen Tons/Yr:	0.2501
SOX - Oxides of Sulphur Tons/Yr:	0.00231
Particulate Matter Tons/Yr:	0.01823
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0.02

Name:	LA CO., METROPOLITAN TRANS AUTHORITY
Address:	1130 E 6TH ST
City,State,Zip:	LOS ANGELES, CA 90021
Year:	2005
County Code:	19
Air Basin:	SC
Facility ID:	53744

LA COUNTY METROPOLITAN TRANSP DIV 1 (Continued) **1006831616**

Air District Name:	SC
SIC Code:	4111
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	.18622
Reactive Organic Gases Tons/Yr:	.1731643795
Carbon Monoxide Emissions Tons/Yr:	.1094
NOX - Oxides of Nitrogen Tons/Yr:	.4221
SOX - Oxides of Sulphur Tons/Yr:	.00281
Particulate Matter Tons/Yr:	.02546
Part. Matter 10 Micrometers and Smllr Tons/Yr:	.02433936

NPDES:

Name:	METRO DIVISION 1
Address:	1130 E 6TH ST
City,State,Zip:	LOS ANGELES, CA 90021
Facility Status:	Not reported
NPDES Number:	Not reported
Region:	Not reported
Agency Number:	Not reported
Regulatory Measure ID:	Not reported
Place ID:	Not reported
Order Number:	Not reported
WDID:	4 19I000486
Regulatory Measure Type:	Industrial
Program Type:	Not reported
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Discharge Address:	Not reported
Discharge Name:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
Status:	Active
Status Date:	03/13/1992
Operator Name:	Los Angeles County Metropolitan Transportation Authority
Operator Address:	One Gateway Plaza MS 99 16 52
Operator City:	Los Angeles
Operator State:	California
Operator Zip:	90012

NPDES as of 03/2018:

NPDES Number:	CAS000001
Status:	Active
Agency Number:	0
Region:	4
Regulatory Measure ID:	188617
Order Number:	97-03-DWQ
Regulatory Measure Type:	Enrollee
Place ID:	Not reported
WDID:	4 19I000486
Program Type:	Industrial
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	03/13/1992

LA COUNTY METROPOLITAN TRANSP DIV 1 (Continued) **1006831616**

Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	Los Angeles County Metropolitan Transportation Authority
Discharge Address:	One Gateway Plaza MS 99 17 2
Discharge City:	Los Angeles
Discharge State:	California
Discharge Zip:	90012
Received Date:	Not reported
Processed Date:	Not reported
Status:	Not reported
Status Date:	Not reported
Place Size:	Not reported
Place Size Unit:	Not reported
Contact:	Not reported
Contact Title:	Not reported
Contact Phone:	Not reported
Contact Phone Ext:	Not reported
Contact Email:	Not reported
Operator Name:	Not reported
Operator Address:	Not reported
Operator City:	Not reported
Operator State:	Not reported
Operator Zip:	Not reported
Operator Contact:	Not reported
Operator Contact Title:	Not reported
Operator Contact Phone:	Not reported
Operator Contact Phone Ext:	Not reported
Operator Contact Email:	Not reported
Operator Type:	Not reported
Developer:	Not reported
Developer Address:	Not reported
Developer City:	Not reported
Developer State:	Not reported
Developer Zip:	Not reported
Developer Contact:	Not reported
Developer Contact Title:	Not reported
Constype Linear Utility Ind:	Not reported
Emergency Phone:	Not reported
Emergency Phone Ext:	Not reported
Constype Above Ground Ind:	Not reported
Constype Below Ground Ind:	Not reported
Constype Cable Line Ind:	Not reported
Constype Comm Line Ind:	Not reported
Constype Commertial Ind:	Not reported
Constype Electrical Line Ind:	Not reported
Constype Gas Line Ind:	Not reported
Constype Industrial Ind:	Not reported
Constype Other Description:	Not reported
Constype Other Ind:	Not reported
Constype Recons Ind:	Not reported
Constype Residential Ind:	Not reported
Constype Transport Ind:	Not reported
Constype Utility Description:	Not reported
Constype Utility Ind:	Not reported
Constype Water Sewer Ind:	Not reported
Dir Discharge Uswater Ind:	Not reported
Receiving Water Name:	Not reported

LA COUNTY METROPOLITAN TRANSP DIV 1 (Continued) **1006831616**

Certifier:	Not reported
Certifier Title:	Not reported
Certification Date:	Not reported
Primary Sic:	Not reported
Secondary Sic:	Not reported
Tertiary Sic:	Not reported
NPDES Number:	Not reported
Status:	Not reported
Agency Number:	Not reported
Region:	4
Regulatory Measure ID:	188617
Order Number:	Not reported
Regulatory Measure Type:	Industrial
Place ID:	Not reported
WDID:	4 19I000486
Program Type:	Not reported
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	Not reported
Discharge Address:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
Received Date:	05/09/2008
Processed Date:	03/13/1992
Status:	Active
Status Date:	03/13/1992
Place Size:	10.01
Place Size Unit:	Acres
Contact:	Tom Kefalas
Contact Title:	Not reported
Contact Phone:	Not reported
Contact Phone Ext:	Not reported
Contact Email:	kefalast@metro.net
Operator Name:	Los Angeles County Metropolitan Transportation Authority
Operator Address:	One Gateway Plaza MS 99 17 2
Operator City:	Los Angeles
Operator State:	California
Operator Zip:	90012
Operator Contact:	Tom Kefalas
Operator Contact Title:	Not reported
Operator Contact Phone:	213-922-4887
Operator Contact Phone Ext:	Not reported
Operator Contact Email:	kefalast@metro.net
Operator Type:	County Agency
Developer:	Not reported
Developer Address:	Not reported
Developer City:	Not reported
Developer State:	California
Developer Zip:	Not reported
Developer Contact:	Not reported
Developer Contact Title:	Not reported
Constype Linear Utility Ind:	Not reported
Emergency Phone:	213-922-4887

LA COUNTY METROPOLITAN TRANSP DIV 1 (Continued) **1006831616**

Emergency Phone Ext:	Not reported
Constype Above Ground Ind:	Not reported
Constype Below Ground Ind:	Not reported
Constype Cable Line Ind:	Not reported
Constype Comm Line Ind:	Not reported
Constype Commertial Ind:	Not reported
Constype Electrical Line Ind:	Not reported
Constype Gas Line Ind:	Not reported
Constype Industrial Ind:	Not reported
Constype Other Description:	Not reported
Constype Other Ind:	Not reported
Constype Recons Ind:	Not reported
Constype Residential Ind:	Not reported
Constype Transport Ind:	Not reported
Constype Utility Description:	Not reported
Constype Utility Ind:	Not reported
Constype Water Sewer Ind:	Not reported
Dir Discharge Uswater Ind:	N
Receiving Water Name:	Los Angeles River
Certifier:	Emmanuel Liban
Certifier Title:	Deputy Executive Officer, Environment
Certification Date:	30-JUN-15
Primary Sic:	4111-Local and Suburban Transit
Secondary Sic:	Not reported
Tertiary Sic:	Not reported

Name:	METRO DIVISION 1
Address:	1130 E 6TH ST
City,State,Zip:	LOS ANGELES, CA 90021
Facility Status:	Active
NPDES Number:	CAS000001
Region:	4
Agency Number:	0
Regulatory Measure ID:	188617
Place ID:	Not reported
Order Number:	97-03-DWQ
WDID:	4 19I000486
Regulatory Measure Type:	Enrollee
Program Type:	Industrial
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	03/13/1992
Termination Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Discharge Address:	One Gateway Plaza MS 99 16 52
Discharge Name:	Los Angeles County Metropolitan Transportation Authority
Discharge City:	Los Angeles
Discharge State:	California
Discharge Zip:	90012
Status:	Not reported
Status Date:	Not reported
Operator Name:	Not reported
Operator Address:	Not reported
Operator City:	Not reported
Operator State:	Not reported
Operator Zip:	Not reported

LA COUNTY METROPOLITAN TRANSP DIV 1 (Continued) **1006831616**

NPDES as of 03/2018:

NPDES Number:	CAS000001
Status:	Active
Agency Number:	0
Region:	4
Regulatory Measure ID:	188617
Order Number:	97-03-DWQ
Regulatory Measure Type:	Enrollee
Place ID:	Not reported
WDID:	4 19I000486
Program Type:	Industrial
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	03/13/1992
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	Los Angeles County Metropolitan Transportation Authority
Discharge Address:	One Gateway Plaza MS 99 17 2
Discharge City:	Los Angeles
Discharge State:	California
Discharge Zip:	90012
Received Date:	Not reported
Processed Date:	Not reported
Status:	Not reported
Status Date:	Not reported
Place Size:	Not reported
Place Size Unit:	Not reported
Contact:	Not reported
Contact Title:	Not reported
Contact Phone:	Not reported
Contact Phone Ext:	Not reported
Contact Email:	Not reported
Operator Name:	Not reported
Operator Address:	Not reported
Operator City:	Not reported
Operator State:	Not reported
Operator Zip:	Not reported
Operator Contact:	Not reported
Operator Contact Title:	Not reported
Operator Contact Phone:	Not reported
Operator Contact Phone Ext:	Not reported
Operator Contact Email:	Not reported
Operator Type:	Not reported
Developer:	Not reported
Developer Address:	Not reported
Developer City:	Not reported
Developer State:	Not reported
Developer Zip:	Not reported
Developer Contact:	Not reported
Developer Contact Title:	Not reported
Constype Linear Utility Ind:	Not reported
Emergency Phone:	Not reported
Emergency Phone Ext:	Not reported
Constype Above Ground Ind:	Not reported
Constype Below Ground Ind:	Not reported
Constype Cable Line Ind:	Not reported
Constype Comm Line Ind:	Not reported
Constype Commertial Ind:	Not reported

LA COUNTY METROPOLITAN TRANSP DIV 1 (Continued) **1006831616**

Constype Electrical Line Ind:	Not reported
Constype Gas Line Ind:	Not reported
Constype Industrial Ind:	Not reported
Constype Other Description:	Not reported
Constype Other Ind:	Not reported
Constype Recons Ind:	Not reported
Constype Residential Ind:	Not reported
Constype Transport Ind:	Not reported
Constype Utility Description:	Not reported
Constype Utility Ind:	Not reported
Constype Water Sewer Ind:	Not reported
Dir Discharge Uswater Ind:	Not reported
Receiving Water Name:	Not reported
Certifier:	Not reported
Certifier Title:	Not reported
Certification Date:	Not reported
Primary Sic:	Not reported
Secondary Sic:	Not reported
Tertiary Sic:	Not reported
NPDES Number:	Not reported
Status:	Not reported
Agency Number:	Not reported
Region:	4
Regulatory Measure ID:	188617
Order Number:	Not reported
Regulatory Measure Type:	Industrial
Place ID:	Not reported
WDID:	4 19I000486
Program Type:	Not reported
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	Not reported
Discharge Address:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
Received Date:	05/09/2008
Processed Date:	03/13/1992
Status:	Active
Status Date:	03/13/1992
Place Size:	10.01
Place Size Unit:	Acres
Contact:	Tom Kefalas
Contact Title:	Not reported
Contact Phone:	Not reported
Contact Phone Ext:	Not reported
Contact Email:	kefalast@metro.net
Operator Name:	Los Angeles County Metropolitan Transportation Authority
Operator Address:	One Gateway Plaza MS 99 17 2
Operator City:	Los Angeles
Operator State:	California
Operator Zip:	90012
Operator Contact:	Tom Kefalas
Operator Contact Title:	Not reported

LA COUNTY METROPOLITAN TRANSP DIV 1 (Continued) **1006831616**

Operator Contact Phone:	213-922-4887
Operator Contact Phone Ext:	Not reported
Operator Contact Email:	kefalast@metro.net
Operator Type:	County Agency
Developer:	Not reported
Developer Address:	Not reported
Developer City:	Not reported
Developer State:	California
Developer Zip:	Not reported
Developer Contact:	Not reported
Developer Contact Title:	Not reported
Constype Linear Utility Ind:	Not reported
Emergency Phone:	213-922-4887
Emergency Phone Ext:	Not reported
Constype Above Ground Ind:	Not reported
Constype Below Ground Ind:	Not reported
Constype Cable Line Ind:	Not reported
Constype Comm Line Ind:	Not reported
Constype Commertial Ind:	Not reported
Constype Electrical Line Ind:	Not reported
Constype Gas Line Ind:	Not reported
Constype Industrial Ind:	Not reported
Constype Other Description:	Not reported
Constype Other Ind:	Not reported
Constype Recons Ind:	Not reported
Constype Residential Ind:	Not reported
Constype Transport Ind:	Not reported
Constype Utility Description:	Not reported
Constype Utility Ind:	Not reported
Constype Water Sewer Ind:	Not reported
Dir Discharge Uswater Ind:	N
Receiving Water Name:	Los Angeles River
Certifier:	Emmanuel Liban
Certifier Title:	Deputy Executive Officer, Environment
Certification Date:	30-JUN-15
Primary Sic:	4111-Local and Suburban Transit
Secondary Sic:	Not reported
Tertiary Sic:	Not reported

LOS ANGELES HM:

Name:	LA COUNTY METROPOLITAN TRANSP DIV 1
Address:	1130 E 6TH ST
City,State,Zip:	LOS ANGELES, CA 90021
Facility ID:	FA0020679
Last Run Date:	11/01/2022
Status:	ACTIVE

Name:	LA COUNTY METROPOLITAN TRANSP DIV 1
Address:	1130 E 6TH ST
City,State,Zip:	LOS ANGELES, CA 90021
Facility ID:	FA0020679
Last Run Date:	11/01/2022
Status:	INACTIVE

CIWQS:

LA COUNTY METROPOLITAN TRANSP DIV 1 (Continued) **1006831616**

Name:	METRO DIVISION 1
Address:	1130 E 6TH ST
City,State,Zip:	LOS ANGELES, CA 90021
Agency:	Los Angeles County Metropolitan Transportation Authority
Agency Address:	One Gateway Plaza MS 99 16 52, Los Angeles, CA 90012
Place/Project Type:	Industrial - Local and Suburban Transit
SIC/NAICS:	4111
Region:	4
Program:	INDSTW
Regulatory Measure Status:	Active
Regulatory Measure Type:	Storm water industrial
Order Number:	2014-0057-DWQ
WDID:	4 19I000486
NPDES Number:	CAS000001
Adoption Date:	Not reported
Effective Date:	03/13/1992
Termination Date:	Not reported
Expiration/Review Date:	Not reported
Design Flow:	Not reported
Major/Minor:	Not reported
Complexity:	Not reported
TTWQ:	Not reported
Enforcement Actions within 5 years:	1
Violations within 5 years:	1
Latitude:	34.03815
Longitude:	-118.23785

CERS:

Name:	LA CO METROPOLITAN TRANS AUT
Address:	1130 EAST 6TH STREET
City,State,Zip:	LOS ANGELES, CA 90021-1108
Site ID:	476384
CERS ID:	110012437513
CERS Description:	US EPA Air Emission Inventory System (EIS)

Name:	METRO DIVISION 1
Address:	1130 E 6TH ST
City,State,Zip:	LOS ANGELES, CA 90021
Site ID:	536841
CERS ID:	235781
CERS Description:	Industrial Facility Storm Water

Violations:

Site ID:	536841
Site Name:	Metro Division 1
Violation Date:	02-24-2020
Citation:	2014-0057-DWQ - Industrial General Permit
Violation Description:	SW - Late Report
Violation Notes:	Failure to submit Level 2 ERA Technical Report
Violation Division:	Water Boards
Violation Program:	INDSTW
Violation Source:	SMARTS,

Site ID:	536841
Site Name:	Metro Division 1
Violation Date:	01-23-2009
Citation:	2014-0057-DWQ - Industrial General Permit

LA COUNTY METROPOLITAN TRANSP DIV 1 (Continued) **1006831616**

Violation Description: SW - Deficient BMP Implementation
Violation Notes: 65 mg/L of Oil and Grease was detected at Sample Location on 1/23/09.
Violation Division: Water Boards
Violation Program: INDSTW
Violation Source: SMARTS,

Evaluation:
Eval General Type: Compliance Evaluation Inspection
Eval Date: 05-12-2021
Violations Found: No
Eval Type: Industrial Storm Water Compliance Evaluation
Eval Notes: Drive by inspection See report for details
Eval Division: Water Boards
Eval Program: INDSTW
Eval Source: SMARTS,

Enforcement Action:
Site ID: 536841
Site Name: Metro Division 1
Site Address: 1130 E 6TH ST
Site City: LOS ANGELES
Site Zip: 90021
Enf Action Date: 02-24-2020
Enf Action Type: Notice of Violation
Enf Action Description: Notice of Violation
Enf Action Notes: Failure to submit Level 2 ERA Technical Report
Enf Action Division: Water Boards
Enf Action Program: INDSTW
Enf Action Source: SMARTS,

Site ID: 536841
Site Name: Metro Division 1
Site Address: 1130 E 6TH ST
Site City: LOS ANGELES
Site Zip: 90021
Enf Action Date: 05-20-2010
Enf Action Type: Staff Enforcement Letter
Enf Action Description: Staff Enforcement Letter
Enf Action Notes: The letter, AR Review - Benchmark Exceedance, was sent to ensure that the permittee will develop and implement the BMPs to reduce or prevent pollutants in SW discharges. Letter also required permittee to submit evidence of implemented additional BMPs and SWPPP amendments if the permittee is already implementing the BMPs.
Enf Action Division: Water Boards
Enf Action Program: INDSTW
Enf Action Source: SMARTS,

Affiliation:
Affiliation Type Desc: Owner/Operator
Entity Name: Los Angeles County Metropolitan Transportation Authority
Entity Title: Operator
Affiliation Address: One Gateway Plaza MS 99 16 52
Affiliation City: Los Angeles
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 90012

LA COUNTY METROPOLITAN TRANSP DIV 1 (Continued) **1006831616**

Affiliation Phone: .

Name: LA COUNTY METROPOLITAN TRANSP DIV 1
Address: 1130 E 6TH ST
City,State,Zip: LOS ANGELES, CA 90021
Site ID: 42607
CERS ID: 10247662
CERS Description: Chemical Storage Facilities

Violations:

Site ID: 42607
Site Name: LA COUNTY METROPOLITAN TRANSP DIV 1
Violation Date: 11-25-2019
Citation: HSC 6.5 25201 - California Health and Safety Code, Chapter 6.5, Section(s) 25201
Violation Description: Failure to obtain a permit or grant of interim status after generator has accumulated hazardous waste on-site for longer than 90 days.
Violation Notes: Returned to compliance on 12/05/2019. OBSERVATION: 55-gallon drum of used absorbent located in the CNG area was observed with an accumulation start date of 4/2/2019 and a manifest/receipt demonstrating disposal within the past 90 days was not available. CORRECTIVE ACTION: Dispose of used absorbent and submit a copy of the manifest/receipt to the CUPA.
Violation Division: Los Angeles County Fire Department
Violation Program: HW
Violation Source: CERS,

Site ID: 42607
Site Name: LA COUNTY METROPOLITAN TRANSP DIV 1
Violation Date: 10-03-2022
Citation: HSC 6.5 25244.19 - California Health and Safety Code, Chapter 6.5, Section(s) 25244.19
Violation Description: Failure of a generator to conduct, when required, a source reduction evaluation review and plan every four years, and/or failure of the review and plan to contain all required information.
Violation Notes: Returned to compliance on 10/20/2022. OBSERVATION: Failure of the Owner/Operator to conduct a source reduction evaluation review and plan every four years, or the review and/or plan failed to contain all required information. CORRECTIVE ACTION: Conduct a source reduction evaluation review and plan at this time and every four years thereafter, and ensure review and plan contain all required information. Submit a copy to the CUPA.
Violation Division: Los Angeles County Fire Department
Violation Program: HW
Violation Source: CERS,

Site ID: 42607
Site Name: LA COUNTY METROPOLITAN TRANSP DIV 1
Violation Date: 10-03-2022
Citation: HSC 6.5 25160(b)(3) - California Health and Safety Code, Chapter 6.5, Section(s) 25160(b)(3)
Violation Description: Failure to determine the status of any hazardous waste if a signed copy of the manifest isn t received within 35 days of the date the waste was accepted by the initial transporter and/or to submit an Exception Report to DTSC if a signed copy of the manifest isn t received within 45 days of the date the waste was accepted by the initial transporter.

LA COUNTY METROPOLITAN TRANSP DIV 1 (Continued) **1006831616**

Violation Notes:	Returned to compliance on 10/20/2022. Observation: The generator failed to determine the status of a uniform hazardous waste manifested shipment within 35 days from the date the waste was shipped, and/or to submit an exception report to DTSC if a signed copy of the manifest isn't received within 45 days of the date the waste was accepted by the initial transporter. CORRECTIVE ACTION: Submit documentation to the CUPA demonstrating that the generator has determined the status of the hazardous waste manifest shipment for 2022 disposals or a copy of the exception report submitted to DTSC, if applicable.
Violation Division:	Los Angeles County Fire Department
Violation Program:	HW
Violation Source:	CERS,
Site ID:	42607
Site Name:	LA COUNTY METROPOLITAN TRANSP DIV 1
Violation Date:	02-22-2022
Citation:	HSC 6.75 25299.30-25299.34 - California Health and Safety Code, Chapter 6.75, Section(s) 25299.30-25299.34
Violation Description:	Failure to submit and maintain complete and current Certification of Financial Responsibility or other mechanism of financial assurance.
Violation Notes:	Returned to compliance on 06/17/2022. OBSERVATION: Financial responsibility documents have not been submitted to the CUPA. Current financial responsibility documents are required to be submitted annually. State form for certificate of financial responsibility was not found on CERS. CORRECTIVE ACTION: Complete and submit a copy of the financial responsibility, State Form, by 3/24/2022.
Violation Division:	Los Angeles City Fire Department
Violation Program:	UST
Violation Source:	CERS,
Site ID:	42607
Site Name:	LA COUNTY METROPOLITAN TRANSP DIV 1
Violation Date:	02-24-2021
Citation:	23 CCR 16 2641(h) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2641(h)
Violation Description:	Failure to have an approved UST Monitoring Plan.
Violation Notes:	Returned to compliance on 03/17/2021. OBSERVATION: Owner/Operator did not maintain a current monitoring plan. In Pipe Monitoring under LEAK ALARM TRIGGERS AUTOMATIC PUMP SHUTDOWN for T1, 3, & 4 it states "NO". CORRECTIVE ACTION: In Pipe Monitoring under LEAK ALARM TRIGGERS AUTOMATIC PUMP SHUTDOWN for T1, 3 , & 4 it should BE LEFT BLANK. OBSERVATION: Owner/Operator did not maintain a current monitoring plan. In Pipe Monitoring under FAILURE/DISCONNECT TRIGGERS PUMP SHUTDOWN for T1, 3, & 4 it states "NO". CORRECTIVE ACTION: In Pipe Monitoring under FAILURE/DISCONNECT TRIGGERS PUMP SHUTDOWN for T1, 3 , & 4 it should BE LEFT BLANK. OBSERVATION: Owner/Operator did not maintain a current monitoring plan. In Piping Monitoring under SUCTION PIPING MEETS EXEMPTION CRITERIA for T1 Diesel it states YES . CORRECTIVE ACTION: In Piping monitoring under SUCTION PIPING MEETS EXEMPTION CRITERIA for T1 it should state "NO".
Violation Division:	Los Angeles City Fire Department
Violation Program:	UST
Violation Source:	CERS,
Site ID:	42607
Site Name:	LA COUNTY METROPOLITAN TRANSP DIV 1
Violation Date:	08-19-2019

LA COUNTY METROPOLITAN TRANSP DIV 1 (Continued) **1006831616**

Citation:	HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description:	Failure to establish and electronically submit an adequate emergency response plan and procedures for a release or threatened release of a hazardous material.
Violation Notes:	Returned to compliance on 04/06/2020. Review, update and resubmit the Emergency Response/Contingency Plan and Employee Training Plan in CERS with all the required information. Ensure the phone numbers for the local CUPA (213) 978-3680, Regional Water Quality Control Board (213) 576-6600, and nearest hospital facility are inputted correctly. You can download the most current CONTINGENCY PLAN form as well as CONTINGENCY PLAN INSTRUCTIONS in the Hazardous Materials Business Plan Section (HMBP) using the following link https://www.lafd.org/fire-prevention/cupa/documents-forms Correct CUPA phone number, complete Section H, add date, add FA0020679.
Violation Division:	Los Angeles City Fire Department
Violation Program:	HMRRP
Violation Source:	CERS,
Site ID:	42607
Site Name:	LA COUNTY METROPOLITAN TRANSP DIV 1
Violation Date:	02-08-2016
Citation:	23 CCR 16 2666 - California Code of Regulations, Title 23, Chapter 16, Section(s) 2666
Violation Description:	Failure to maintain entry fitting such that it properly seals to the containment.
Violation Notes:	Returned to compliance on 03/31/2017.
Violation Division:	Los Angeles City Fire Department
Violation Program:	UST
Violation Source:	CERS,
Site ID:	42607
Site Name:	LA COUNTY METROPOLITAN TRANSP DIV 1
Violation Date:	09-08-2022
Citation:	HSC 6.95 25508(a)(3) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(3)
Violation Description:	Failure to complete and electronically submit hazardous material inventory information for all reportable hazardous materials on site at or above reportable quantities.
Violation Notes:	Returned to compliance on 09/30/2022. OBSERVATION: The business failed to electronically submit complete and accurate chemical inventory information for all hazardous materials on site at or above reportable quantities. CORRECTIVE ACTION: Review, update and resubmit the Hazardous Materials Inventory into CERS to include all hazardous material stored in a capacity equal to or greater than 55 gallons of liquid, 200 cubic feet of compressed gas or 500 pounds in weight of a solid. Please correct the following; Update: 1. Average Daily Amount for multiple hazardous materials was the same as max amount. Update to a lower number 2. Inspector found more oxy citrus and energy plus red on-site than was listed on CERS, update those quantities to correct amount that is stored on-site 3. Motor oil, Anti-freeze, and grease were all discovered to be stored in steel drums as well as the listed AST's on-site, Update to include steel drums
Violation Division:	Los Angeles City Fire Department
Violation Program:	HMRRP
Violation Source:	CERS,

LA COUNTY METROPOLITAN TRANSP DIV 1 (Continued) **1006831616**

Site ID:	42607
Site Name:	LA COUNTY METROPOLITAN TRANSP DIV 1
Violation Date:	02-22-2022
Citation:	HSC 6.7 25291(b) - California Health and Safety Code, Chapter 6.7, Section(s) 25291(b)
Violation Description:	Failure of the UST system to be designed and constructed with a monitoring system capable of detecting the entry of the hazardous substance into the secondary containment.
Violation Notes:	Returned to compliance on 02/22/2022. OBSERVATION: Owner/Operator failed to design or construct a UST system with a monitoring system capable of detecting the entry of the hazardous substance into the secondary containment. Diesel dispenser fed by above-ground piping does not have under dispenser containment per Title 23 Section 2636(g) In accordance with UST Regulations, all dispensers require UDCs to be installed that serve as secondary containment or otherwise prevent unauthorized releases from entering the environment. The absence of a traditional dispenser does not exempt a facility from the UDC requirement. Facilities that do not have UDCs beneath their dispensers must install, test, and monitor UDCs meeting the requirements of UST Regulations. CORRECTIVE ACTION: UST system must be modified or repaired so that the monitoring system is capable of detecting the entry of the hazardous substance into the secondary containment to ensure the piping that feeds the diesel dispenser has means to meet Title 23 [Truncated]
Violation Division:	Los Angeles City Fire Department
Violation Program:	UST
Violation Source:	CERS,

Site ID:	42607
Site Name:	LA COUNTY METROPOLITAN TRANSP DIV 1
Violation Date:	05-29-2019
Citation:	23 CCR 16 2715(a)(1)(B) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2715(a)(1)(B)
Violation Description:	Failure to submit the Designated Underground Storage Tank Operator Identification Form within 30 days of installing a UST system or within 30 days of a change in DO.
Violation Notes:	Returned to compliance on 07/05/2019. OBSERVATION: Owner/Operator did not submit the Designated Underground Storage Tank Operator Identification Form . DO's ICC number changed. CORRECTIVE ACTION: Submit Designated Underground Storage Tank Operator Identification Form to the CUPA within 30 days of a change using the new form to update Roger Uhden's ICC number. Be sure to include the UST tank statement of understanding and compliance form and upload onto CERS. Both forms were on site.
Violation Division:	Los Angeles City Fire Department
Violation Program:	UST
Violation Source:	CERS,

Site ID:	42607
Site Name:	LA COUNTY METROPOLITAN TRANSP DIV 1
Violation Date:	07-06-2018
Citation:	23 CCR 16 2641(j) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2641(j)
Violation Description:	Failure of the leak detection equipment to be installed, calibrated, operated, and/or maintained properly.
Violation Notes:	Returned to compliance on 10/12/2018.
Violation Division:	Los Angeles City Fire Department

LA COUNTY METROPOLITAN TRANSP DIV 1 (Continued) **1006831616**

Violation Program:	UST
Violation Source:	CERS,
Site ID:	42607
Site Name:	LA COUNTY METROPOLITAN TRANSP DIV 1
Violation Date:	02-08-2016
Citation:	HSC 6.7 25286(a) - California Health and Safety Code, Chapter 6.7, Section(s) 25286(a)
Violation Description:	Failure to submit an complete and accurate application for a permit to operate an underground storage tank, or for renewal of the permit.
Violation Notes:	Returned to compliance on 07/05/2016.
Violation Division:	Los Angeles City Fire Department
Violation Program:	UST
Violation Source:	CERS,
Site ID:	42607
Site Name:	LA COUNTY METROPOLITAN TRANSP DIV 1
Violation Date:	02-22-2022
Citation:	Un-Specified
Violation Description:	UST Program - Administration/Documentation - General Local Ordinance - Must include violation description and proper ordinance citation in the "comment" section.
Violation Notes:	Returned to compliance on 03/04/2022. OBSERVATION: Facility's Emergency Shut-off (ESO) sign on the south east corner of the building where the dispenser is located is hard to see from the actual dispenser. CORRECTION ACTION: Facility will need to install a sign or decal with an arrow that is easily visible to people fueling at the dispenser notifying them of the location of the ESO. Send a picture to the Inspector when the new sign is installed.
Violation Division:	Los Angeles City Fire Department
Violation Program:	UST
Violation Source:	CERS,
Site ID:	42607
Site Name:	LA COUNTY METROPOLITAN TRANSP DIV 1
Violation Date:	02-24-2021
Citation:	HSC 6.7 25284, 25286 - California Health and Safety Code, Chapter 6.7, Section(s) 25284, 25286
Violation Description:	Failure to submit a complete and accurate application for a permit to operate a UST, or for renewal of the permit.
Violation Notes:	Returned to compliance on 03/17/2021. OBSERVATION: UST tank information is not current in CERS. In Product/waste piping construction under PIPING SYSTEM TYPE for T1 Diesel it states "SUCTION 2636(A)(3)". CORRECTIVE ACTION: In Product/waste piping construction under PIPING SYSTEM TYPE for T1 it should state "CONVENTIONAL SUCTION".
Violation Division:	Los Angeles City Fire Department
Violation Program:	UST
Violation Source:	CERS,
Site ID:	42607
Site Name:	LA COUNTY METROPOLITAN TRANSP DIV 1
Violation Date:	09-08-2022
Citation:	HSC 6.67 25270.4.5(a) - California Health and Safety Code, Chapter 6.67, Section(s) 25270.4.5(a)
Violation Description:	Failure to promptly correct visible discharges and promptly remove any accumulations of oil in diked areas.

LA COUNTY METROPOLITAN TRANSP DIV 1 (Continued) **1006831616**

Violation Notes:	OBSERVATION: Failure to promptly correct visible discharges and promptly remove any accumulations of oil in diked areas. AST had visible leaks on top and pump area appears to be leaky. Per review of facility's month inspections there were multiple entries noted of staining on tanks. CORRECTIVE ACTION: Promptly correct any visible discharges and promptly remove any accumulations of oil in diked areas.
Violation Division:	Los Angeles City Fire Department
Violation Program:	APSA
Violation Source:	CERS,
Site ID:	42607
Site Name:	LA COUNTY METROPOLITAN TRANSP DIV 1
Violation Date:	05-29-2019
Citation:	HSC 6.7 25292.1(a) - California Health and Safety Code, Chapter 6.7, Section(s) 25292.1(a)
Violation Description:	Failure to operate the UST system to prevent unauthorized releases including leaks, spills, and/or overfills.
Violation Notes:	Returned to compliance on 07/05/2019. OBSERVATION: Owner/Operator failed to meet one or more of the requirements applicable to overfill prevention equipment. Facility did not test overfill protection before the October 13th 2018 deadline. CORRECTIVE ACTION: Overfill protection was tested on 10/12/2018 during monitor cert by Javier Soto with Tank Specialists. T2 (#6) 87 did not have a flapper valve. Facility pulled a permit to install a new flapper valve which was installed by Wayne Perry on 3/14/2019. Wayne Perry was unable to measure the ball float in T2 (#6) 87 to ensure the ball float is set higher than the flapper valve. Have a technician pull the ball float in T2 (#6) 87 to ensure the ball float is set higher than the flapper and if not remove the ball float so it does not interfere with the flapper valve function.
Violation Division:	Los Angeles City Fire Department
Violation Program:	UST
Violation Source:	CERS,
Site ID:	42607
Site Name:	LA COUNTY METROPOLITAN TRANSP DIV 1
Violation Date:	02-08-2016
Citation:	23 CCR 16 2641(a) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2641(a)
Violation Description:	Failure of sensor to be located in the proper position/location.
Violation Notes:	Returned to compliance on 03/31/2017.
Violation Division:	Los Angeles City Fire Department
Violation Program:	UST
Violation Source:	CERS,
Site ID:	42607
Site Name:	LA COUNTY METROPOLITAN TRANSP DIV 1
Violation Date:	02-08-2016
Citation:	23 CCR 16 2712(i) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2712(i)
Violation Description:	Failure to maintain on site an approved monitoring plan.
Violation Notes:	Returned to compliance on 03/31/2017.
Violation Division:	Los Angeles City Fire Department
Violation Program:	UST
Violation Source:	CERS,
Site ID:	42607

LA COUNTY METROPOLITAN TRANSP DIV 1 (Continued) **1006831616**

Site Name:	LA COUNTY METROPOLITAN TRANSP DIV 1
Violation Date:	02-11-2020
Citation:	HSC 6.7 25293 - California Health and Safety Code, Chapter 6.7, Section(s) 25293
Violation Description:	Failure to maintain UST records in sufficient detail to enable the UPA to determine whether the UST systems are in compliance.
Violation Notes:	Returned to compliance on 02/14/2020. OBSERVATION: Owner/Operator did not maintain UST records in sufficient detail to enable the UPA to determine if UST systems are in compliance. 6/2019 Cold Start results were not found on site. CORRECTIVE ACTION: Maintain UST records in sufficient detail to enable the UPA to determine if UST systems are in compliance. Locate the results and send a copy to the Inspector and place another copy in the binder on site.
Violation Division:	Los Angeles City Fire Department
Violation Program:	UST
Violation Source:	CERS,
Site ID:	42607
Site Name:	LA COUNTY METROPOLITAN TRANSP DIV 1
Violation Date:	11-26-2018
Citation:	23 CCR 16 2712(b)(1)(G) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2712(b)(1)(G)
Violation Description:	Failure to comply with one or more of the following overfill prevention equipment requirements: Alert the transfer operator when the tank is 90 percent full by restricting the flow into the tank or triggering an audible and visual alarm; or Restrict delivery of flow to the tank at least 30 minutes before the tank overfills, provided the restriction occurs when the tank is filled to no more than 95 percent of capacity; and activate an audible alarm at least five minutes before the tank overfills; or Provide positive shut-off of flow to the tank when the tank is filled to no more than 95 percent of capacity; or Provide positive shut-off of flow to the tank so that none of the fittings located on the top of the tank are exposed to product due to overfilling. Install/retrofit overfill prevention equipment that does not use flow restrictors on vent piping to meet overfill prevention equipment requirements when the overfill prevention equipment is installed, repaired, or replaced on and after October 1, 2018. For USTs installed before October 1, 2018, perform an inspection by October 13, 2018 and every 36 months thereafter. For USTs installed on and after October 1, 2018, perform an inspection at installation and every 36 months thereafter. Inspected within 30 days after a repair to the overfill prevention equipment. Inspected using an applicable manufacturer guidelines, industry codes, engineering standards, or a method approved by a professional engineer. Inspected by a certified UST service technician. Maintain records of overfill prevention equipment inspection for 36 months.
Violation Notes:	Returned to compliance on 05/29/2019. OBSERVATION: Owner/Operator failed to meet one or more of the requirements applicable to overfill prevention equipment. Facility has single wall vent lines and only one form of overfill onsite Audible/Visual for T2 (#6). CORRECTIVE ACTION: FORTHWITH contact the CUPA unit to pull a permit to install a flapper valve to comply with the new Federal regulations. Submit verification. **********SECOND NOTICE**********
Violation Division:	Los Angeles City Fire Department
Violation Program:	UST
Violation Source:	CERS,

LA COUNTY METROPOLITAN TRANSP DIV 1 (Continued) **1006831616**

Site ID:	42607
Site Name:	LA COUNTY METROPOLITAN TRANSP DIV 1
Violation Date:	07-06-2018
Citation:	23 CCR 16 2715(i) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2715(i)
Violation Description:	Failure to have a properly qualified service technician test leak detection equipment as required every 12 months (vapor, pressure, hydrostatic (VPH) system, sensors, line-leak detectors (LLD), automatic tank gauge (ATG), etc.).
Violation Notes:	Returned to compliance on 10/12/2018. OBSERVATION: Annual monitoring system certification and/or leak detector testing, were last performed on 2-8-2016 and was completed on 2-8-2016, 28 months past due. These tests are required once every 12 months. CORRECTIVE ACTION: Immediately schedule these tests and provide 48 hours notification to the CUPA. Please be aware that a follow up inspection will be charged at our current hourly rate.
Violation Division:	Los Angeles City Fire Department
Violation Program:	UST
Violation Source:	CERS,

Site ID:	42607
Site Name:	LA COUNTY METROPOLITAN TRANSP DIV 1
Violation Date:	09-08-2022
Citation:	HSC 6.67 25270.4.5(a) - California Health and Safety Code, Chapter 6.67, Section(s) 25270.4.5(a)
Violation Description:	Failure to address in the SPCC Plan the type of oil and storage capacity for each fixed container. For mobile or portable containers, either provide the type of oil and storage capacity, or an estimate of the potential number of mobile or portable containers, the types of oil, and anticipated storage capacities.
Violation Notes:	OBSERVATION: Failure to address in the SPCC Plan the type of oil and storage capacity for each fixed container, or, for portable and/or mobile containers, either provide the type of oil and storage capacity, or an estimate of the potential number of portable or mobile containers, the types of oil, and anticipated storage capacities. Facility has oil stored in steel drums not noted in the SPCC plan. CORRECTIVE ACTION: Amend the SPCC Plan to properly address the type and storage capacity of all fixed and portable and/or mobile containers as required. Add those steel drums to the SPCC plan.
Violation Division:	Los Angeles City Fire Department
Violation Program:	APSA
Violation Source:	CERS,

Site ID:	42607
Site Name:	LA COUNTY METROPOLITAN TRANSP DIV 1
Violation Date:	02-08-2016
Citation:	23 CCR 16 2712(b) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2712(b)
Violation Description:	Failure to maintain records of repairs, lining, and upgrades on site, or off site if approved by the CUPA, for the life of the underground storage tank and/or failure to maintain written monitoring and maintenance records on site, or off site if approved by the CUPA, for a period of 3 years, 6 1/2 years for cathodic protection, and 5 years for written performance claims pertaining to release detection systems and calibration and maintenance records for such systems.
Violation Notes:	Returned to compliance on 03/31/2017.
Violation Division:	Los Angeles City Fire Department

LA COUNTY METROPOLITAN TRANSP DIV 1 (Continued) **1006831616**

Violation Program: UST
Violation Source: CERS,

Site ID: 42607
Site Name: LA COUNTY METROPOLITAN TRANSP DIV 1
Violation Date: 05-29-2019
Citation: HSC 6.7 25284, 25286 - California Health and Safety Code, Chapter 6.7, Section(s) 25284, 25286
Violation Description: Failure to submit a complete and accurate application for a permit to operate a UST, or for renewal of the permit.
Violation Notes: Returned to compliance on 07/05/2019. OBSERVATION: Facility does not have an approved operating permit application. In Tank Construction under OVERFILL PROTECTION listed for T2 (#6) 87 it states "NO" for Fill-Tube Shutoff Valve. CORRECTIVE ACTION: In Tank Construction OVERFILL PROTECTION listed for T2 (#6) 87 it should state "YES" for Fill-Tube Shutoff Valve. OBSERVATION: Facility does not have an approved operating permit application. In Product/waste piping construction under PRIMARY CONTAINMENT for T4 (#5) Waste Fuel t states "STEEL". CORRECTIVE ACTION: In Product/waste piping construction under PRIMARY CONTAINMENT forT4 (#5) Waste Fuel it should state "FIBERGLASS".
Violation Division: Los Angeles City Fire Department
Violation Program: UST
Violation Source: CERS,

Site ID: 42607
Site Name: LA COUNTY METROPOLITAN TRANSP DIV 1
Violation Date: 05-29-2019
Citation: 23 CCR 16 2712(b)(1)(G) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2712(b)(1)(G)
Violation Description: Failure to comply with one or more of the following overfill prevention equipment requirements: Alert the transfer operator when the tank is 90 percent full by restricting the flow into the tank or triggering an audible and visual alarm; or Restrict delivery of flow to the tank at least 30 minutes before the tank overfills, provided the restriction occurs when the tank is filled to no more than 95 percent of capacity; and activate an audible alarm at least five minutes before the tank overfills; or Provide positive shut-off of flow to the tank when the tank is filled to no more than 95 percent of capacity; or Provide positive shut-off of flow to the tank so that none of the fittings located on the top of the tank are exposed to product due to overfilling. Install/retrofit overfill prevention equipment that does not use flow restrictors on vent piping to meet overfill prevention equipment requirements when the overfill prevention equipment is installed, repaired, or replaced on and after October 1, 2018. For USTs installed before October 1, 2018, perform an inspection by October 13, 2018 and every 36 months thereafter. For USTs installed on and after October 1, 2018, perform an inspection at installation and every 36 months thereafter. Inspected within 30 days after a repair to the overfill prevention equipment. Inspected using an applicable manufacturer guidelines, industry codes, engineering standards, or a method approved by a professional engineer. Inspected by a certified UST service technician. Maintain records of overfill prevention equipment inspection for 36 months.
Violation Notes: Returned to compliance on 07/05/2019. OBSERVATION: Owner/Operator failed to meet one or more of the requirements applicable to overfill prevention equipment. Facility did not test overfill protection before

LA COUNTY METROPOLITAN TRANSP DIV 1 (Continued) **1006831616**

the October 13th 2018 deadline. CORRECTIVE ACTION: Overfill protection was tested on 10/12/2018 during monitor cert by Javier Soto with Tank Specialists. T2 (#6) 87 did not have a flapper valve. Facility pulled a permit to install a new flapper valve which was installed by Wayne Perry on 3/14/2019. Wayne Perry was unable to measure the ball float in T2 (#6) 87 to ensure the ball float is set higher than the flapper valve. Have a technician pull the ball float in T2 (#6) 87 to ensure the ball float is set higher than the flapper and if not remove the ball float so it does not interfere with the flapper valve function.

Violation Division: Los Angeles City Fire Department
Violation Program: UST
Violation Source: CERS,

Site ID: 42607
Site Name: LA COUNTY METROPOLITAN TRANSP DIV 1
Violation Date: 02-22-2022
Citation: 23 CCR 16 2641(h) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2641(h)
Violation Description: Failure to have an approved UST Monitoring Plan.
Violation Notes: Returned to compliance on 03/04/2022. OBSERVATION: Owner/Operator did not maintain a current monitoring plan. In Tank Monitoring under MODEL SENSOR Number for T3 Waste Fuel it states "VR 420". CORRECTIVE ACTION: In tank monitoring under MODEL SENSOR number for T3 Waste Fuel it should state "794380-460" as was found on site.
Violation Division: Los Angeles City Fire Department
Violation Program: UST
Violation Source: CERS,

Site ID: 42607
Site Name: LA COUNTY METROPOLITAN TRANSP DIV 1
Violation Date: 10-12-2018
Citation: HSC 6.7 25292.1(a) - California Health and Safety Code, Chapter 6.7, Section(s) 25292.1(a)
Violation Description: Failure to operate the UST system to prevent unauthorized releases including leaks, spills, and/or overfills.
Violation Notes: Returned to compliance on 05/29/2019. OBSERVATION: Owner/Operator failed to meet one or more of the requirements applicable to overfill prevention equipment. Facility has single wall vent lines and only one form of overfill on site, Audible/Visual, for T2 (#6). CORRECTIVE ACTION: FORTHWITH contact the CUPA unit to pull a permit to install a flapper valve to comply with the new Federal regulations. Submit verification.
Violation Division: Los Angeles City Fire Department
Violation Program: UST
Violation Source: CERS,

Site ID: 42607
Site Name: LA COUNTY METROPOLITAN TRANSP DIV 1
Violation Date: 05-29-2019
Citation: 23 CCR 16 2716(e) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2716(e)
Violation Description: For designated operator (DO) monthly inspections conducted before October 1, 2018, failure to comply with one or more of the following requirements: Be performed by an ICC certified DO. Inspect monthly alarm history report, check that alarms are documented and responded to appropriately, and attach a copy. Inspect for the presence of liquid/debris in spill containers. Inspect for the presence of

LA COUNTY METROPOLITAN TRANSP DIV 1 (Continued) **1006831616**

	liquid/debris in under dispenser containment (UDC) and ensure that the monitoring equipment is positioned correctly. Inspect for liquid or debris in containment sumps where an alarm occurred with no service visit. Check that all testing and maintenance has been completed and documented. Verify that all facility employees have been trained in accordance with 23 CCR 2715(c). For designated operator (DO) 30 day inspections conducted on and after October 1, 2018, failure to conduct the designated UST operator visual inspection at least once every 30 days.
Violation Notes:	Returned to compliance on 07/05/2019. OBSERVATION: Facility did not comply with one or more of the following DO monthly inspection requirements: DO inspections on 4/22/2019 and 1/25/2019 were past 30 days since last the previous DO inspection which happened on 3/14/2019 & 12/112018 respectively. Tank owner/operator did not fill in name in Section VI. CORRECTIVE ACTION: Ensure DO inspections are occurring at least every 30 days and have tank owner/operator print his name on the DO reports in Section VI.
Violation Division:	Los Angeles City Fire Department
Violation Program:	UST
Violation Source:	CERS,
Site ID:	42607
Site Name:	LA COUNTY METROPOLITAN TRANSP DIV 1
Violation Date:	02-11-2020
Citation:	23 CCR 16 2641(a) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2641(a)
Violation Description:	Failure to maintain secondarily contained piping to allow liquid to flow into the sump in the event of a leak (i.e., failure to remove test boot).
Violation Notes:	Returned to compliance on 02/11/2020. OBSERVATION: Owner/Operator did not maintain piping secondary to drain into a sump in the event of a leak. T2 transition sump (vapor pot) test boot was not pulled back. CORRECTED ON SITE: Tester Javier Soto with Tank Specialists pulled back test boot on site.
Violation Division:	Los Angeles City Fire Department
Violation Program:	UST
Violation Source:	CERS,
Site ID:	42607
Site Name:	LA COUNTY METROPOLITAN TRANSP DIV 1
Violation Date:	07-06-2018
Citation:	23 CCR 16 2638(d) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2638(d)
Violation Description:	Failure to submit the Annual Monitoring System Certification Form to the UPA within 30 days of completion of the test.
Violation Notes:	Returned to compliance on 10/12/2018. OBSERVATION: Owner/Operator did not submit the annual Monitoring System Certification Form to the CUPA within 30 days of completion of the test. CORRECTIVE ACTION: Submit copy of the annual Monitoring System Certification to the CUPA.
Violation Division:	Los Angeles City Fire Department
Violation Program:	UST
Violation Source:	CERS,
Site ID:	42607
Site Name:	LA COUNTY METROPOLITAN TRANSP DIV 1
Violation Date:	11-25-2019
Citation:	22 CCR 15 66265.192(a) - California Code of Regulations, Title 22,

LA COUNTY METROPOLITAN TRANSP DIV 1 (Continued) **1006831616**

	Chapter 15, Section(s) 66265.192(a)
Violation Description:	Failure to obtain and maintain a written assessment reviewed and certified by an independent, qualified, professional engineer prior to placing the tank system in service. The written assessment shall state that, the new hazardous waste tank system has sufficient structural integrity, is acceptable for the transferring, storing and treating of hazardous waste, and that the tanks and containment system including the foundation, structural support, seams, connections, and pressure controls (if applicable) are suitably designed to meet the regulation.
Violation Notes:	Returned to compliance on 02/10/2020. OBSERVATION: A written hazardous waste tank assessment has not been obtained for the Used antifreeze AST #2 tank system prior to placing system into service. CORRECTIVE ACTION: Obtain a written hazardous waste tank system assessment for the Used antifreeze tank AST #2 system in accordance with 22 CCR 15 66265.192 and submit a copy to the CUPA.
Violation Division:	Los Angeles County Fire Department
Violation Program:	HW
Violation Source:	CERS,
Site ID:	42607
Site Name:	LA COUNTY METROPOLITAN TRANSP DIV 1
Violation Date:	05-29-2019
Citation:	23 CCR 16 2636(f)(2) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2636(f)(2)
Violation Description:	Failure of the functional line leak detector (LLD) monitoring pressurized piping to meet one or more of the following requirements: Monitored at least hourly with the capability of detecting a release of 3.0 gallons per hour leak at 10 pounds per square inch and restrict or shut off the flow of product through the piping when a leak is detected.
Violation Notes:	Returned to compliance on 05/29/2019. OBSERVATION: Facility's T2 (T6) 87 RJ FX1V MLLD failed to detect a release of 3.0 gallons per hour at 10 psi and restricting or shutting off the flow of product through the piping when a leak is detected. CORRECTED ON SITE: D5 like for like permit under SROOSMKP1 was issued and tester Javier Soto replaced failed DJ FX1V MLLD with new VR FX1V MLLD which was capable of detecting a release of 3.0 gallons per hour at 10 psi and restricting or shutting off the flow of product through the piping when a leak is detected.
Violation Division:	Los Angeles City Fire Department
Violation Program:	UST
Violation Source:	CERS,
Site ID:	42607
Site Name:	LA COUNTY METROPOLITAN TRANSP DIV 1
Violation Date:	09-08-2022
Citation:	HSC 6.95 25508(a)(3) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(3)
Violation Description:	Failure to establish and electronically submit an adequate emergency response plan and procedures for a release or threatened release of a hazardous material.
Violation Notes:	Returned to compliance on 09/30/2022. OBSERVATION: The business failed to establish and electronically submit adequate emergency response procedures for a release or threatened release of a hazardous material. CORRECTIVE ACTION: The Emergency Response Plan is missing required elements. Please review the plan and complete the following missing and/or incorrect sections; Add: Emergency equipment locations

LA COUNTY METROPOLITAN TRANSP DIV 1 (Continued) **1006831616**

	in Section G. You can download the most current CONSOLIDATED EMERGENCY RESPONSE / CONTINGENCY PLAN form at https://www.lafd.org/fire-prevention/cupa/hazardous-materials
Violation Division:	Los Angeles City Fire Department
Violation Program:	HMRRP
Violation Source:	CERS,
Site ID:	42607
Site Name:	LA COUNTY METROPOLITAN TRANSP DIV 1
Violation Date:	05-29-2019
Citation:	23 CCR 16 2632(c)(2)(A)&(B) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2632(c)(2)(A)&(B)
Violation Description:	Failure to continuously monitor the interstitial space of a double-walled tank with an audible and visual alarm system.
Violation Notes:	Returned to compliance on 05/29/2019. OBSERVATION: Facility's T1 (T13) Diesel & T3 (#10) VR 420 sensor had a splice outside the junction box. The VR 420 sensor could not reach the lowest point in the interstitial space so an extra length of wire were spliced into it. CORRECTED ON SITE: D5 like for like permit under SROOSMKP1. Javier Soto with Tank Specialists replaced the VR 420 sensors with VR 460 sensors. The VR 460's were tested and sent monitoring console into alarm. The VR 460 sensor were replaced in the lowest point in the interstitial space in order to detect a leak at the lowest opportunity.
Violation Division:	Los Angeles City Fire Department
Violation Program:	UST
Violation Source:	CERS,
Site ID:	42607
Site Name:	LA COUNTY METROPOLITAN TRANSP DIV 1
Violation Date:	05-29-2019
Citation:	23 CCR 16 2641(h) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2641(h)
Violation Description:	Failure to have an approved UST Monitoring Plan.
Violation Notes:	Returned to compliance on 07/05/2019. OBSERVATION: Owner/Operator did not maintain a current monitoring plan. In Tank Monitoring under MODEL SENSOR Number for T3 (#10) Used oil it states "VR 420". CORRECTIVE ACTION: In tank monitoring under MODEL SENSOR number for T3 (#10) Used oil it should state "VR 460". OBSERVATION: Owner/Operator did not maintain a current monitoring plan. In UDC Monitoring under STOPS FLOW OF PRODUCT AT DISPENSER for T2 (#6) 87 it states YES". CORRECTIVE ACTION: In UDC Monitoring under STOPS FLOW OF PRODUCT AT DISPENSER for T2 (#6) 87 it should state NO .
Violation Division:	Los Angeles City Fire Department
Violation Program:	UST
Violation Source:	CERS,
Site ID:	42607
Site Name:	LA COUNTY METROPOLITAN TRANSP DIV 1
Violation Date:	07-06-2018
Citation:	HSC 6.7 25284.2 - California Health and Safety Code, Chapter 6.7, Section(s) 25284.2
Violation Description:	Failure to test the spill bucket annually.
Violation Notes:	Returned to compliance on 10/20/2018. OBSERVATION: Health and Safety Code 25284.2 The owner or operator of an underground storage tank with a spill containment structure designed to prevent a release in the event of a spill or overfill while a hazardous substance is being placed in the tank shall annually test the spill containment structure

LA COUNTY METROPOLITAN TRANSP DIV 1 (Continued) **1006831616**

to demonstrate that it is capable of containing the substance until it is detected and cleaned up. Owner/Operator failed to test the spill bucket annually. Last noted test date was 5-15-2017 from UST Binder on site. No testing scheduled through lafd.usttestnotify@lacity.org. CORRECTIVE ACTION: Complete spill bucket testing and submit test results.

Violation Division: Los Angeles City Fire Department
Violation Program: UST
Violation Source: CERS,

Site ID: 42607
Site Name: LA COUNTY METROPOLITAN TRANSP DIV 1
Violation Date: 10-12-2018
Citation: 23 CCR 16 2712(b)(1)(G) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2712(b)(1)(G)
Violation Description: Failure to comply with one or more of the following overfill prevention equipment requirements: Alert the transfer operator when the tank is 90 percent full by restricting the flow into the tank or triggering an audible and visual alarm; or Restrict delivery of flow to the tank at least 30 minutes before the tank overfills, provided the restriction occurs when the tank is filled to no more than 95 percent of capacity; and activate an audible alarm at least five minutes before the tank overfills; or Provide positive shut-off of flow to the tank when the tank is filled to no more than 95 percent of capacity; or Provide positive shut-off of flow to the tank so that none of the fittings located on the top of the tank are exposed to product due to overfilling. Install/retrofit overfill prevention equipment that does not use flow restrictors on vent piping to meet overfill prevention equipment requirements when the overfill prevention equipment is installed, repaired, or replaced on and after October 1, 2018. For USTs installed before October 1, 2018, perform an inspection by October 13, 2018 and every 36 months thereafter. For USTs installed on and after October 1, 2018, perform an inspection at installation and every 36 months thereafter. Inspected within 30 days after a repair to the overfill prevention equipment. Inspected using an applicable manufacturer guidelines, industry codes, engineering standards, or a method approved by a professional engineer. Inspected by a certified UST service technician. Maintain records of overfill prevention equipment inspection for 36 months.
Violation Notes: Returned to compliance on 03/22/2019. OBSERVATION: The ATG for T13 & 6 used as the overfill prevention system is not currently functional, it alarms the VR, but does set off the audible/visual alarm to alert the driver. CORRECTIVE ACTION: Immediately discontinue deposition of petroleum into this tank until the component is repaired or replaced by a properly licensed, trained, and certified contractor under permit and inspection of the CUPA. If the failed component can t be replaced immediately, there is a possibility that T13 & 6 UST system may be red tagged to prevent fuel inputs.
Violation Division: Los Angeles City Fire Department
Violation Program: UST
Violation Source: CERS,

Site ID: 42607
Site Name: LA COUNTY METROPOLITAN TRANSP DIV 1
Violation Date: 05-29-2019
Citation: HSC 6.75 25299.30-25299.34 - California Health and Safety Code, Chapter 6.75, Section(s) 25299.30-25299.34

LA COUNTY METROPOLITAN TRANSP DIV 1 (Continued) **1006831616**

Violation Description: Failure to submit and maintain complete and current Certification of Financial Responsibility or other mechanism of financial assurance.
Violation Notes: Returned to compliance on 07/05/2019. OBSERVATION: Financial responsibility documents have not been submitted to the CUPA. Current financial responsibility documents are required to be submitted annually. CFO letter expired 4/4/2019. CORRECTIVE ACTION: Submit the current financial responsibility CFO letter found on site onto CERS.
Violation Division: Los Angeles City Fire Department
Violation Program: UST
Violation Source: CERS,

Evaluation:
Eval General Type: Compliance Evaluation Inspection
Eval Date: 08-19-2019
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Consent to enter, inspect and take photographs was given by: Tony Soler The Business Activities, Owner/Operator Identification, Hazardous Materials Inventory, Site Map, Emergency Response/Contingency Plan and Employee Training Plan sections were reviewed in CERS and field verified. Review and correct any violations indicated previously in this report, on or before the COMPLY BY date associated with each violation. NOTE: The LAMC, Sections (L.A.M.C. SECTION 57.105.1.4; 57.120.3; 57.121.2 and 57.121.2.1.) requires businesses that store, use or handle hazardous materials in the City of Los Angeles to obtain a Consolidated Permit from the Los Angeles Fire Department CUPA **** Annual submission of a Hazardous Materials Business Plan into California Environmental Reporting System (CERS) is required between January 1 and March 1 of every year. Per L.A.M.C. 57.121.3.5, failure to submit the required hazardous material business plan (HMBP) information annually into CERS [Truncated]
Eval Division: Los Angeles City Fire Department
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 08-20-2019
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: 1130 E 6TH ST REVIEWED RECEIVED ANNUAL MONITORING SYSTEM AND SPILL BUCKET CERTIFICATION RESULTS FOR TESTING CONDUCTED ON 5/29/2019 JAVIER SOTO TANK SPECIALISTS. CONFIRMED RESULTS WERE REQUESTED/ RECEIVED, SCANNED/DOWNLOADED AND/OR ATTACHED IN ENVISION. FAILURES NOTED ON THE REPORT T2 87 MLLD AND T1 VR 460 ANNULAR SENSOR WERE REPLACED LIKE FOR LIKE ON SITE.
Eval Division: Los Angeles City Fire Department
Eval Program: UST
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 09-13-2018
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: 1130 E 6TH ST REVIEWED RECEIVED SPILL BUCKET RESULTS FOR TESTING CONDUCTED ON 8/20/2018 BY FRANCISCO CASTRO WITH TANKNOLOGY. SCANNED/ DOWNLOADED AND ATTACHED IN ENVISION. NO FAILURES NOTED ON REPORT.
Eval Division: Los Angeles City Fire Department

LA COUNTY METROPOLITAN TRANSP DIV 1 (Continued) **1006831616**

Eval Program: UST
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 10-17-2018
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: 1130 E 6th St NOV Follow up for facility at 1130 E 6th St. Facility was given NOV for late monitor cert testing back in June of 2018 and facility was sent to AEO. Facility completed their monitor certification by Javier Soto with Tank Specialists on 10/12/2018.
Eval Division: Los Angeles City Fire Department
Eval Program: UST
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 11-26-2018
Violations Found: Yes
Eval Type: Other, not routine, done by local agency
Eval Notes: 1130 E 6th St Facility has not complied with the above written violation within the 30 days. This violation has been upgraded to a CLASS II violation. Facility has 30 days to comply with the violation or this violation will be upgraded to a CLASS I which will be forwarded to my Legal unit for fine and penalty assessment. Violators can be liable for civil penalties up to $5,000 dollars per day, for each violation. HSC 25299, HSC 25270.12. REPORT IS EMAILED Roger Uhden uhdenr@metro.net. **********SECOND NOTICE**********
Eval Division: Los Angeles City Fire Department
Eval Program: UST
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 12-05-2019
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Los Angeles County Fire Department
Eval Program: HW
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 12-27-2021
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: 1130 E 6TH ST REVIEWED RECEIVED OVERFILL PREVENTION RESULTS FOR TESTING CONDUCTED ON 2/24/2021 JAVIER SOTO TANK SPECIALISTS. CONFIRMED RESULTS WERE REQUESTED/ RECEIVED, SCANNED/DOWNLOADED AND/OR ATTACHED IN ENVISION. NO FAILURES NOTED ON THE REPORT. RESULTS WERE ACCEPTED DUE TO TANK CHARTS BEING ATTACHED.
Eval Division: Los Angeles City Fire Department
Eval Program: UST
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-29-2015
Violations Found: No
Eval Type: Routine done by local agency

LA COUNTY METROPOLITAN TRANSP DIV 1 (Continued) **1006831616**

Eval Notes: Inspection conducted with Roger Uhden, Sr. Envirnomental Specialist, Quality Assurance, METRO.
Eval Division: Los Angeles City Fire Department
Eval Program: UST
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 02-05-2014
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Made contact with Roger Uhden
Eval Division: Los Angeles City Fire Department
Eval Program: UST
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 02-14-2020
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: 1130 E 6th St NOV follow up for facility at 1130 E 6th St. Facility sent in the copy of the missing cold start test results. Inspector Young emailed Roger Uhden to let him know of the clearing of the violations.
Eval Division: Los Angeles City Fire Department
Eval Program: UST
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 02-22-2022
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: LAFD Inspector Christopher Young on site this date 2/22/2022 to conduct routine inspection of underground storage tank facility. Monitoring System components were observed and verified this date. Consent to enter, inspect and take photographs was given on this date by Roger Uhden, Senior Environmental. Tank 1, 2, & 3 are located off of Alameda St south off of 6th st near the exit of the property. T4 is located Northwest side of property behind bus mechanics depot. Monitoring system certification was conducted at this time. Monitoring certification was performed by Javier Soto with Tank Specialists CSLB 745065 Exp: 1/31/2024. Monitoring System components were observed and verified on this date. Tester provided the following certifications: Javier Soto ICC: 8086377 Exp: 11/8/2023 VR: #B41506 Exp: 6/5/2022 VMI: #3070 Exp: 12/9/2023 The UST monitoring panel showed T3 Waste Fuel invalid fuel level and high water alarm. The monitoring set up and alarm history WERE [Truncated]
Eval Division: Los Angeles City Fire Department
Eval Program: UST
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 03-22-2019
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: 1130 E 6th St NOV follow up for facility at 1130 E 6th St. Inspector Young cleared out old violation for spill bucket testing which was completed back in 8/2018. Flapper valve was install on 87 tank, but

LA COUNTY METROPOLITAN TRANSP DIV 1 (Continued) **1006831616**

ball floats were not verified so violation is still open.
Eval Division: Los Angeles City Fire Department
Eval Program: UST
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 04-25-2019
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: CERS SUBMITTAL ACCEPTED
Eval Division: Los Angeles City Fire Department
Eval Program: APSA
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 12-11-2018
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: 1130 E 6TH ST REVIEWED RECEIVED ANNUAL MONITORING SYSTEM CERTIFICATION RESULTS FOR TESTING CONDUCTED ON 10/12/2018 JAVIER SOTO TANK SPECIALISTS. CONFIRMED RESULTS WERE REQUESTED/ RECEIVED, SCANNED/DOWNLOADED AND/OR ATTACHED IN ENVISION. NO FAILURES NOTED ON THE REPORT.
Eval Division: Los Angeles City Fire Department
Eval Program: UST
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 12-12-2022
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: 1130 E 6TH ST REVIEWED RECEIVED ANNUAL MONITORING SYSTEM CERTIFICATION RESULTS FOR TESTING CONDUCTED ON 2/22/2022 JAVIER SOTO TANK SPECIALISTS. CONFIRMED RESULTS WERE REQUESTED/ RECEIVED, SCANNED/DOWNLOADED AND/OR ATTACHED IN ENVISION. NO FAILURES NOTED ON THE REPORT.
Eval Division: Los Angeles City Fire Department
Eval Program: UST
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 02-05-2014
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Made contact with Roger Uhden
Eval Division: Los Angeles City Fire Department
Eval Program: UST
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 02-11-2020
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: LAFD Inspector Christopher Young on site this date 2/11/2020 to conduct routine inspection of underground storage tank facility. Monitoring System components were observed and verified this date. Consent to enter, inspect and take photographs was given on this date

LA COUNTY METROPOLITAN TRANSP DIV 1 (Continued) **1006831616**

by Roger Uhden, Senior Environmental. Tank 1, 2, & 4 are located off of Alameda St south off of 6th st near the exit of the property. T3 is located Northwest side of property behind bus mechanics depot. Monitoring system certification was conducted at this time. Monitoring certification was performed by Javier Soto with Tank Specialists, Monitoring System components were observed and verified on this date. Tester provided the following certifications: Javier Soto ICC: 8807602 Exp: 11/9/2021 VR: #B41506 Exp: 6/7/2020 VMI: #3070 Exp: 11/25/2021 The UST monitoring panel showed all functions normal. The monitoring set up and alarm history were provided for review. The sumps and UDCs were opened for [Truncated]

Eval Division: Los Angeles City Fire Department
Eval Program: UST
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 05-18-2021
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: 1130 E 6th St NOV follow up for facility at 1130 E 6th St. Inspector Young reviewed the facility's latest CERS UST submittal. Facility updated their tank information and monitoring plan. Inspector Young emailed Roger Uhden to let him know of the clearing of all violations. Violations were cleared to the date when CERS was submitted. CERS was reviewed on this date to confirm changes.

Eval Division: Los Angeles City Fire Department
Eval Program: UST
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 06-16-2022
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: 1130 E 6th St NOV follow up for facility at 1130 E 6th St. Inspector Young reviewed the facility's latest CERS UST submittal. Facility updated their monitoring plan, but did not update the CFO letter. Facility also placed new ESO signs by the dispensers. The other NOV was given by mistake by Inspector Young was cleared to the date of the inspection. Facility was notified via a not accepted submittal for the need to update the CFO letter.

Eval Division: Los Angeles City Fire Department
Eval Program: UST
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 07-05-2019
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: 1130 E 6th St NOV follow up for facility at 1130 E 6th St. Facility updated their tank information and monitoring plan. Facility also corrected their DO reports. Facility also removed ball floats to complete overfill inspection. Inspector Young emailed Roger Uhden to let him know of the clearing of the violations.

Eval Division: Los Angeles City Fire Department
Eval Program: UST
Eval Source: CERS,

LA COUNTY METROPOLITAN TRANSP DIV 1 (Continued) **1006831616**

Eval General Type: Compliance Evaluation Inspection
Eval Date: 07-06-2018
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: LAFD CUPA Inspector Yoshihashi, on site 7-6-2018 to conduct routine inspection of your underground storage tanks. Consent to enter, inspect and take photographs was given on this date by Designated Operator Roger Uhden of MTA. Monitoring system certification was not conducted at this time. The UST monitoring panel showed all functions normal. The monitoring set up and alarm history were provided for review. The sumps and UDCs were opened for inspection and the sensors were observed positioned to detect a leak at the earliest opportunity. The spill buckets were also visually inspected. The Monitoring Plan was compared to the equipment onsite. The operation of the UST system was compared to the conditions of the operating permit. Property Owner: Property Owner Collins Kalu c/o LA CO MTA Phone213-922-4970 ONE GATEWAY PLAZA (MS-99-18-6) LOS ANGELES, CA 90012 Tank Owner/ Operator: Tank Owner/Operator Collins Kalu c/o LA CO MTA Phone213-922-4970 ONE [Truncated]
Eval Division: Los Angeles City Fire Department
Eval Program: UST
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 07-19-2021
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: 1130 E 6TH ST REVIEWED RECEIVED OVERFILL PREVENTION RESULTS FOR TESTING CONDUCTED ON 2/11/2020 JAVIER SOTO TANK SPECIALISTS. CONFIRMED RESULTS WERE REQUESTED/ RECEIVED, SCANNED/DOWNLOADED AND/OR ATTACHED IN ENVISION. NO FAILURES NOTED ON THE REPORT. RESULTS WERE NOT ACCEPTED DUE TO NO TANK CHARTS ATTACHED.
Eval Division: Los Angeles City Fire Department
Eval Program: UST
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 02-08-2016
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Los Angeles City Fire Department
Eval Program: UST
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 02-08-2016
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: PERMISSION GRANTED BY MTA ENVIRONMENTAL SPECIALISTR ROGER UHDEN JAVIER SOTO WITH TANK SPECIALISTS ICC: 8086377 EXP: 9-27-17 THE STATE WATER BOARD CONDUCTED THEIR OWN INSPECTION ON JANUARY 13, 2016. NOTICE WRITTEN TODAY FOR VIOLATIONS FOUND BY THE STATE AND LAFD. MTA WILL BE GIVEN 7 DAYS AND A REINSPECT WILL TAKE PLACE. THE VIOLATIONS AT THIS SITE ARE THE REPAIR FAILURES FROM THE PAST SB989 TESTS, SENSOR PLACEMENT (CLASS I), CERS ENTRIES, AND LINE LEAK DETECTOR INSTALLATIONS ARTICLE 10.5: RED TAG AUTHORITY. 2717. Additional

LA COUNTY METROPOLITAN TRANSP DIV 1 (Continued) **1006831616**

Definitions. (a) "Significant Violation" means the failure of a person to comply with any requirement of Chapter 6.7 of the Health and Safety Code or any regulation adopted pursuant to Chapter 6.7, not including the corrective action requirements in Section 25296.10 of the Health and Safety Code and Article 11 of Chapter 16 of Title 23 of the regulations, that is any of the following: (1) A violation that is causing, or [Truncated]

Eval Division: Los Angeles City Fire Department
Eval Program: UST
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 02-10-2020
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Los Angeles County Fire Department
Eval Program: HW
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 04-06-2020
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Off site reinspection. Reviewed and cleared previous violations issued on 8/19/19. Inspector reviewed past reports and CERS submittals. CERS was "Accepted" and all updated documents were verified.
Eval Division: Los Angeles City Fire Department
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 10-20-2022
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Michael Kay, ENV SP, emailed all requested documents to CUPA.
Eval Division: Los Angeles County Fire Department
Eval Program: HW
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 10-25-2022
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: 1130 E 6th St NOV follow up for facility at 1130 E 6th St. Facility updated their hazmat inventory and emergency response/contingency plan. All NOV's were cleared to the date in which they were submitted on 9/30/2022.
Eval Division: Los Angeles City Fire Department
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 11-25-2019
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Matt Simoni, Director Maintenance Operations

LA COUNTY METROPOLITAN TRANSP DIV 1 (Continued) **1006831616**

Eval Division: Los Angeles County Fire Department
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 05-15-2017
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Inspector Lawrence Kim with the LAFD, onsite 1130 E 6TH ST MTA #1 to conduct routine inspection of underground storage tank. Consent to enter, inspect and take photographs was given on this date by ROGER UHDEN SPILL BUCKET TESTING & SB989 were conducted at this time SPILL BUCKET TESTING & SB989 was performed by BRIAN HALFWASSEN WITH CAL HAZ Tester provided the following certifications: BRIAN HALFWASSEN ICC: 5006847 EXP: 10-21-17 The UST monitoring panel showed all functions normal. The monitoring set up and alarm history were provided for review. The sumps and UDCs were opened for inspection and the sensors were observed positioned to detect a leak at the earliest opportunity. The spill buckets were also visually inspected. The Monitoring Plan was compared to the equipment onsite. The operation of the UST system was compared to the conditions of the operating permit. Ensure submittal of monitor certification test results within 30 days using one of the [Truncated]

Eval Division: Los Angeles City Fire Department
Eval Program: UST
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 07-18-2022
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: 1130 E 6th St NOV follow up for facility at 1130 E 6th St. Inspector Young reviewed the facility's latest CERS UST submittal. Facility updated their certificate of financial responsibility to include the most CFO letter. The NOV was cleared to the date of the submittal on 6/17/2022. All NOV's were cleared.

Eval Division: Los Angeles City Fire Department
Eval Program: UST
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 09-08-2022
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Consent to enter, inspect and take photographs was given by: Roger Uhden, Environmental Specialists The Business Activities, Owner/Operator Identification, Hazardous Materials Inventory, Site Map, Emergency Response/Contingency Plan and Employee Training Plan sections were reviewed in CERS and field verified. Review and correct any violations indicated previously in this report, on or before the COMPLY BY date associated with each violation. New user instructions are provided below. NOTE: The LAMC, Sections (L.A.M.C. SECTIONS 57.105.1.4; 57.120.3; 57.121.2 and 57.121.2.1.) requires businesses that store, use or handle hazardous materials in the City of Los Angeles to obtain a Consolidated Permit from the Los Angeles Fire Department CUPA**** Annual submission of a Hazardous Materials Business Plan into CERS is required between January 1 and March 1 of

LA COUNTY METROPOLITAN TRANSP DIV 1 (Continued) **1006831616**

every year. Please remember that any change in inventory of greater than 100 percent will require new submission [Truncated]
Eval Division: Los Angeles City Fire Department
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 10-03-2022
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Michael Kay, Senior Environmental Specialist
Eval Division: Los Angeles County Fire Department
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 11-30-2016
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Inspector Lawrence Kim with the LAFD, onsite 1130 E 6TH ST to conduct routine inspection of underground storage tank. Consent to enter, inspect and take photographs was given on this date by ROGER UHDEN - MTA Monitoring system certification was conducted at this time. Monitoring certification was performed by LEONARD ALAN EVANS WITH WAYNE PERRY INC Tester provided the following certifications: LEONARD ALAN EVANS ICC: 8221154 EXP: 8-11-17 The UST monitoring panel showed all functions normal. The monitoring set up and alarm history were provided for review. The sumps and UDCs were opened for inspection and the sensors were observed positioned to detect a leak at the earliest opportunity. The spill buckets were also visually inspected. The Monitoring Plan was compared to the equipment onsite. The operation of the UST system was compared to the conditions of the operating permit. Ensure submittal of monitor certification test results within 30 days using one of [Truncated]
Eval Division: Los Angeles City Fire Department
Eval Program: UST
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-29-2015
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Inspection conducted with David Daniels, Asst. Maintenance Operations Mgr., Maintenance Division 1, METRO. Cross-referenced CERS inventory with BP-8.
Eval Division: Los Angeles City Fire Department
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 01-29-2015
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: **LATE ENTRY** Witnessed MC testing handled by Javier Soto of Tank Specialists of CA
Eval Division: Los Angeles City Fire Department
Eval Program: UST

LA COUNTY METROPOLITAN TRANSP DIV 1 (Continued) **1006831616**

Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 02-24-2021
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: LAFD Inspector Christopher Young on site this date 2/23/2021 to conduct routine inspection of underground storage tank facility. Monitoring System components were observed and verified this date. Consent to enter, inspect and take photographs was given on this date by Roger Uhden, Senior Environmental. Tank 1, 2, & 3 are located off of Alameda St south off of 6th st near the exit of the property. T4 is located Northwest side of property behind bus mechanics depot. Monitoring system certification was conducted at this time. Monitoring certification was performed by Javier Soto with Tank Specialists, Monitoring System components were observed and verified on this date. Tester provided the following certifications: Javier Soto ICC: 8086377 Exp: 11/9/2021 VR: #B41506 Exp: 6/5/2022 VMI: #3070 Exp: 11/25/2021 The UST monitoring panel showed T3 Waste Fuel invalid fuel level and high water alarm. The monitoring set up and alarm history were provided for review. The [Truncated]
Eval Division: Los Angeles City Fire Department
Eval Program: UST
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 04-16-2020
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: 1130 E 6TH ST REVIEWED RECEIVED ANNUAL MONITORING SYSTEM CERTIFICATION RESULTS FOR TESTING CONDUCTED ON 2/11/2020 JAVIER SOTO TANK SPECIALISTS. CONFIRMED RESULTS WERE REQUESTED/ RECEIVED, SCANNED/DOWNLOADED AND/OR ATTACHED IN ENVISION. NO FAILURES NOTED ON THE REPORT. CERS ID WAS MISSING ON THE TEST RESULTS.
Eval Division: Los Angeles City Fire Department
Eval Program: UST
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 04-25-2019
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: SUBMITTAL ACCEPTED
Eval Division: Los Angeles City Fire Department
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 05-29-2019
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: LAFD Inspector Christopher Young on site this date 10/12/2018 to conduct routine inspection of underground storage tank facility. Monitoring System components were observed and verified this date. Consent to enter, inspect and take photographs was given on this date by Roger Uhden, Senior Environmental. Tank 1, 2, & 4 are located off of Alameda St south off of 6th st near the exit of the property. T3 is

LA COUNTY METROPOLITAN TRANSP DIV 1 (Continued) **1006831616**

located Northwest side of property behind bus mechanics depot. Monitoring system certification and line test was conducted at this time. Monitoring certification was performed by Javier Soto with Tank Specialists, Monitoring System components were observed and verified on this date. Tester provided the following certifications: Javier Soto ICC: #8807602 Exp: 10/23/2019 VR: #B41506 Exp: 6/7/2020 VMI: #3070 Exp: 11/2/2019 The UST monitoring panel showed all functions normal. The monitoring set up and alarm history were provided for review. The sumps and UDCs [Truncated]

Eval Division: Los Angeles City Fire Department
Eval Program: UST
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 06-01-2021
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: 1130 E 6TH ST REVIEWED RECEIVED ANNUAL MONITORING SYSTEM CERTIFICATION RESULTS FOR TESTING CONDUCTED ON 2/24/2021 JAVIER SOTO TANK SPECIALISTS. CONFIRMED RESULTS WERE REQUESTED/ RECEIVED, SCANNED/DOWNLOADED AND/OR ATTACHED IN ENVISION. NO FAILURES NOTED ON THE REPORT.

Eval Division: Los Angeles City Fire Department
Eval Program: UST
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 06-03-2020
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: 1130 E 6TH ST REVIEWED RECEIVED ANNUAL MONITORING SYSTEM CERTIFICATION RESULTS FOR TESTING CONDUCTED ON 2/11/2020 JAVIER SOTO TANK SPECIALISTS. CONFIRMED RESULTS WERE REQUESTED/ RECEIVED, SCANNED/DOWNLOADED AND/OR ATTACHED IN ENVISION. NO FAILURES NOTED ON THE REPORT.

Eval Division: Los Angeles City Fire Department
Eval Program: UST
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 06-15-2015
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: PATRICK PFRANG WITH TANKNOLOGY ICC: 5259475 EXP: 3-31-2017 PRECISION LINE TESTING FOR 2 TANKS.

Eval Division: Los Angeles City Fire Department
Eval Program: UST
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 09-08-2022
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Consent to enter, inspect, and take photographs was given by: Roger Uhden Environmental Specialist Documents uploaded to CERS were reviewed and field verified. The Spill Prevention Control and Countermeasure plan and related inspection and testing logs were

LA COUNTY METROPOLITAN TRANSP DIV 1 (Continued) **1006831616**

reviewed on site. Review and correct any violations indicated previously in this report, on or before the COMPLY BY date associated with each violation. NOTE: The LAMC, Sections (L.A.M.C. SECTIONS 57.105.1.4; 57.120.3; 57.121.2 and 57.121.2.1.) requires businesses that store, use or handle hazardous materials in the City of Los Angeles to obtain a Consolidated Permit from the Los Angeles Fire Department CUPA. The California Health and Safety Code (CHAPTER 6.67 SECTION 25270) requires that facilities meeting either of the following requirements be added to the APSA (Aboveground Petroleum Storage Act) program and comply with the regulations set forth in the CHSC. Storage of any liquid petroleum based product [Truncated]

Eval Division: Los Angeles City Fire Department
Eval Program: APSA
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 10-12-2018
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: LAFD Inspector Christopher Young on site this date 10/12/2018 to conduct routine inspection of underground storage tank facility. Monitoring System components were observed and verified this date. Consent to enter, inspect and take photographs was given on this date by Roger Uhden, Senior Environmental. Tank 1, 2, & 4 are located off of Alameda St south off of 6th st near the exit of the property. T3 is located Northwest side of property behind bus mechanics depot. Monitoring system certification and line test was conducted at this time. Monitoring certification was performed by JAVIER SOTO WITH TANK SPECIALISTS, Monitoring System components were observed and verified on this date. Tester provided the following certifications: Javier Soto ICC: #8807602 Exp: 10/23/2019 VR: #B41506 Exp: 6/7/2020 The UST monitoring panel showed all functions normal. The monitoring set up and alarm history were provided for review. The sumps and UDCs were opened for inspection and [Truncated]

Eval Division: Los Angeles City Fire Department
Eval Program: UST
Eval Source: CERS,

Coordinates:
Site ID: 42607
Facility Name: LA COUNTY METROPOLITAN TRANSP DIV 1
Env Int Type Code: HMBP
Program ID: 10247662
Coord Name: Not reported
Ref Point Type Desc: Center of a facility or station.,
Latitude: 34.038230
Longitude: -118.238630

Affiliation:
Affiliation Type Desc: Operator
Entity Name: LACMTA - Div. 1
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported

LA COUNTY METROPOLITAN TRANSP DIV 1 (Continued) **1006831616**

Affiliation Zip:	Not reported
Affiliation Phone:	(213) 922-4970,
Affiliation Type Desc:	UST Tank Owner
Entity Name:	Los Angeles County Metropolitan Transit Authority
Entity Title:	Not reported
Affiliation Address:	1 Gateway Plaza 99-11-3
Affiliation City:	Los Angeles
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	90012
Affiliation Phone:	(213) 922-4970,
Affiliation Type Desc:	Property Owner
Entity Name:	LA CO METRO TRANSPORTATION AUTHORITY
Entity Title:	Not reported
Affiliation Address:	ONE GATEWAY PLAZA, MS 99-11-3
Affiliation City:	LOS ANGELES
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	90012
Affiliation Phone:	(213) 922-4915,
Affiliation Type Desc:	Identification Signer
Entity Name:	COLLINS KALU
Entity Title:	Sr. Director, Safety Cert & Ops Mgmt
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	.
Affiliation Type Desc:	Legal Owner
Entity Name:	LACMTA
Entity Title:	Not reported
Affiliation Address:	1 GATEWAY PLAZA (M/S: 99-11-3)
Affiliation City:	LOS ANGELES
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	90012
Affiliation Phone:	(213) 922-4970,
Affiliation Type Desc:	UST Property Owner Name
Entity Name:	LACMTA
Entity Title:	Not reported
Affiliation Address:	1 Gateway Plaza 99-11-3
Affiliation City:	Los Angeles
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	90012
Affiliation Phone:	(213) 922-4970,
Affiliation Type Desc:	CUPA District
Entity Name:	Los Angeles City Fire Department
Entity Title:	Not reported
Affiliation Address:	200 North Main Street, Room 1780

LA COUNTY METROPOLITAN TRANSP DIV 1 (Continued) **1006831616**

Affiliation City:	Los Angeles
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	90012
Affiliation Phone:	(213) 978-3680,
Affiliation Type Desc:	Document Preparer
Entity Name:	HOAN NGUYEN
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,
Affiliation Type Desc:	Environmental Contact
Entity Name:	COLLINS KALU
Entity Title:	Not reported
Affiliation Address:	ONE GATEWAY PLAZA (M/S: 99-11-3)
Affiliation City:	LOS ANGELES
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	90012
Affiliation Phone:	,
Affiliation Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	Not reported
Affiliation Address:	1 GATEWAY PLAZA (M/S: 99-11-3)
Affiliation City:	LOS ANGELES
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	90012
Affiliation Phone:	,
Affiliation Type Desc:	Parent Corporation
Entity Name:	LACMTA - DIV 1
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,
Affiliation Type Desc:	UST Tank Operator
Entity Name:	LACMTA
Entity Title:	Not reported
Affiliation Address:	1 Gateway Plaza 99-11-3
Affiliation City:	Los Angeles
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	90012
Affiliation Phone:	(213) 922-4970,

LA COUNTY METROPOLITAN TRANSP DIV 1 (Continued) **1006831616**

HWTS:

Name:	CLEAN ENERGY AT LACMTA DIV 01
Address:	1130 E 6TH ST
Address 2:	Not reported
City,State,Zip:	LOS ANGELES, CA 90021
EPA ID:	CAL000440691
Inactive Date:	06/30/2020
Create Date:	11/09/2018
Last Act Date:	Not reported
Mailing Name:	Not reported
Mailing Address:	4675 MACARTHUR CT
Mailing Address 2:	Not reported
Mailing City,State,Zip:	NEWPORT BEACH, CA 92660
Owner Name:	CLEAN ENERGY
Owner Address:	4675 MACARTHUR CT STE 800
Owner Address 2:	Not reported
Owner City,State,Zip:	NEWPORT BEACH, CA 92660
Contact Name:	JAMES WRIGHT
Contact Address:	4675 MACARTHUR CT
Contact Address 2:	Not reported
City,State,Zip:	NEWPORT BEACH, CA 92660
Facility Status:	Inactive
Facility Type:	PERMANENT
Category:	STATE
Latitude:	34.03819845
Longitude:	-118.23861781

NAICS:

EPA ID:	CAL000440691
Create Date:	2018-11-09 16:06:07.210
NAICS Code:	221210
NAICS Description:	Not reported
Issued EPA ID Date:	2018-11-09 16:06:07.19700
Inactive Date:	2020-06-30 00:00:00
Facility Name:	CLEAN ENERGY AT LACMTA DIV 01
Facility Address:	1130 E 6TH ST
Facility Address 2:	Not reported
Facility City:	LOS ANGELES
Facility County:	Not reported
Facility State:	CA
Facility Zip:	90021

EPA ID:	CAL000440691
Create Date:	2018-11-09 16:06:07.210
NAICS Code:	221210
NAICS Description:	Natural Gas Distribution
Issued EPA ID Date:	2018-11-09 16:06:07.19700
Inactive Date:	2020-06-30 00:00:00
Facility Name:	CLEAN ENERGY AT LACMTA DIV 01
Facility Address:	1130 E 6TH ST
Facility Address 2:	Not reported
Facility City:	LOS ANGELES
Facility County:	Not reported
Facility State:	CA
Facility Zip:	90021

EPA ID:	CAL000440691

LA COUNTY METROPOLITAN TRANSP DIV 1 (Continued) **1006831616**

Create Date:	2018-11-09 16:06:07.210
NAICS Code:	221210
NAICS Description:	Natural Gas Distribution
Issued EPA ID Date:	2018-11-09 16:06:07.19700
Inactive Date:	2020-06-30 00:00:00
Facility Name:	CLEAN ENERGY AT LACMTA DIV 01
Facility Address:	1130 E 6TH ST
Facility Address 2:	Not reported
Facility City:	LOS ANGELES
Facility County:	Not reported
Facility State:	CA
Facility Zip:	90021

AE168 **LA CO METRO TRANS AUTH DIV 1** **CA FID UST S101587368**
North **1130 E 6TH ST** **WDS N/A**
1/8-1/4 **LOS ANGELES, CA 90021**
0.210 mi.
1107 ft. **Site 2 of 11 in cluster AE**

Relative:
Higher

Actual:
253 ft.

CA FID UST:

Facility ID:	19055431
Regulated By:	UTNKA
Regulated ID:	00033833
Cortese Code:	Not reported
SIC Code:	Not reported
Facility Phone:	2132372033
Mail To:	Not reported
Mailing Address:	425 S MAIN ST
Mailing Address 2:	Not reported
Mailing City,St,Zip:	LOS ANGELES 900130000
Contact:	Not reported
Contact Phone:	Not reported
DUNs Number:	Not reported
NPDES Number:	Not reported
EPA ID:	Not reported
Comments:	Not reported
Status:	Active

WDS:

Name:	LA CO METRO TRANS AUTH DIV 1
Address:	1130 E 6th St
City:	LOS ANGELES
Facility ID:	4 19I000486
Facility Type:	Industrial - Facility that treats and/or disposes of liquid or semisolid wastes from any servicing, producing, manufacturing or processing operation of whatever nature, including mining, gravel washing, geothermal operations, air conditioning, ship building and repairing, oil production, storage and disposal operations, water pumping.
Facility Status:	Active - Any facility with a continuous or seasonal discharge that is under Waste Discharge Requirements.
NPDES Number:	CAS000001 The 1st 2 characters designate the state. The remaining 7 are assigned by the Regional Board
Subregion:	4
Facility Telephone:	2139226201
Facility Contact:	CHAVIRA TONY

LA CO METRO TRANS AUTH DIV 1 (Continued) **S101587368**

Agency Name:	LA CO METRO TRANS AUTH
Agency Address:	1 Gateway Plz
Agency City,St,Zip:	Los Angeles 900122952
Agency Contact:	URBAN BEN
Agency Telephone:	2139224714
Agency Type:	?
SIC Code:	0
SIC Code 2:	Not reported
Primary Waste Type:	Not reported
Primary Waste:	Not reported
Waste Type2:	Not reported
Waste2:	Not reported
Primary Waste Type:	Not reported
Secondary Waste:	Not reported
Secondary Waste Type:	Not reported
Design Flow:	0
Baseline Flow:	0
Reclamation:	Not reported
POTW:	Not reported
Treat To Water:	Minor Threat to Water Quality. A violation of a regional board order should cause a relatively minor impairment of beneficial uses compared to a major or minor threat. Not: All nurds without a TTWQ will be considered a minor threat to water quality unless coded at a higher Level. A Zero (0) may be used to code those NURDS that are found to represent no threat to water quality.
Complexity:	Category C - Facilities having no waste treatment systems, such as cooling water dischargers or thosewho must comply through best management practices, facilities with passive waste treatment and disposal systems, such as septic systems with subsurface disposal, or dischargers having waste storage systems with land disposal such as dairy waste ponds.

AE169
North
1/8-1/4
0.210 mi.
1107 ft.

LACMTA DIV 01 **RCRA NonGen / NLR** **1024872045**
1130 E 6TH ST **CAL000440691**
LOS ANGELES, CA 90021

Site 3 of 11 in cluster AE

Relative:
Higher

Actual:
253 ft.

RCRA Listings:

Date Form Received by Agency:		20181109
Handler Name:	LACMTA DIV 01	
Handler Address:		1130 E 6TH ST
Handler City,State,Zip:		LOS ANGELES, CA 90021
EPA ID:		CAL000440691
Contact Name:		CHRIS GATE
Contact Address:		4675 MACARTHUR CT STE 800
Contact City,State,Zip:		NEWPORT BEACH, CA 92660
Contact Telephone:		949-437-1219
Contact Fax:		Not reported
Contact Email:		CHRIS.GATE@CLEANENERGYFUELS.COM
Contact Title:		Not reported
EPA Region:		09
Land Type:		Not reported
Federal Waste Generator Description:		Not a generator, verified
Non-Notifier:		Not reported
Biennial Report Cycle:		Not reported
Accessibility:		Not reported
Active Site Indicator:		Handler Activities

LACMTA DIV 01 (Continued) **1024872045**

State District Owner:		Not reported
State District:		Not reported
Mailing Address:		4675 MACARTHUR CT STE 800
Mailing City,State,Zip:		NEWPORT BEACH, CA 92660
Owner Name:	CLEAN ENERGY	
Owner Type:		Other
Operator Name:	CHRIS GATE	
Operator Type:		Other
Short-Term Generator Activity:		No
Importer Activity:		No
Mixed Waste Generator:		No
Transporter Activity:		No
Transfer Facility Activity:		No
Recycler Activity with Storage:		No
Small Quantity On-Site Burner Exemption:		No
Smelting Melting and Refining Furnace Exemption:		No
Underground Injection Control:		No
Off-Site Waste Receipt:		No
Universal Waste Indicator:		Yes
Universal Waste Destination Facility:		Yes
Federal Universal Waste:		No
Active Site Fed-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site Converter Treatment storage and Disposal Facility:		Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site State-Reg Handler:		---
Federal Facility Indicator:		Not reported
Hazardous Secondary Material Indicator:		N
Sub-Part K Indicator:		Not reported
Commercial TSD Indicator:		No
Treatment Storage and Disposal Type:		Not reported
2018 GPRA Permit Baseline:		Not on the Baseline
2018 GPRA Renewals Baseline:		Not on the Baseline
Permit Renewals Workload Universe:		Not reported
Permit Workload Universe:		Not reported
Permit Progress Universe:		Not reported
Post-Closure Workload Universe:		Not reported
Closure Workload Universe:		Not reported
202 GPRA Corrective Action Baseline:		No
Corrective Action Workload Universe:		No
Subject to Corrective Action Universe:		No
Non-TSDFs Where RCRA CA has Been Imposed Universe:		No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:		No
TSDFs Only Subject to CA under Discretionary Auth Universe:		No
Corrective Action Priority Ranking:		No NCAPS ranking
Environmental Control Indicator:		No
Institutional Control Indicator:		No
Human Exposure Controls Indicator:		N/A
Groundwater Controls Indicator:		N/A
Operating TSDF Universe:		Not reported
Full Enforcement Universe:		Not reported
Significant Non-Complier Universe:		No
Unaddressed Significant Non-Complier Universe:		No
Addressed Significant Non-Complier Universe:		No
Significant Non-Complier With a Compliance Schedule Universe:		No
Financial Assurance Required:	Not reported	
Handler Date of Last Change:		20181120
Recognized Trader-Importer:		No

LACMTA DIV 01 (Continued) **1024872045**

Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Operator
Owner/Operator Name: CHRIS GATE	
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	4675 MACARTHUR CT STE 800
Owner/Operator City,State,Zip:	NEWPORT BEACH, CA 92660
Owner/Operator Telephone:	949-437-1219
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Owner
Owner/Operator Name: CLEAN ENERGY	
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	4675 MACARTHUR CT STE 800
Owner/Operator City,State,Zip:	NEWPORT BEACH, CA 92660
Owner/Operator Telephone:	949-437-1000
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	20181109
Handler Name: LACMTA DIV 01	
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

List of NAICS Codes and Descriptions:

NAICS Code:	221210
NAICS Description:	NATURAL GAS DISTRIBUTION

Facility Has Received Notices of Violations:

Violations:	No Violations Found

LACMTA DIV 01 (Continued) **1024872045**

Evaluation Action Summary:
Evaluations: No Evaluations Found

AE170 **METRO DIVISION 1 MAINTENACE FACILITY** **LUST** **S105663639**
North **1130 EAST 6TH STREET** **CHMIRS** **N/A**
1/8-1/4 **LOS ANGELES, CA 90021** **Cortese**
0.210 mi. **CERS**
1107 ft. **Site 4 of 11 in cluster AE**

Relative: **Higher**
Actual: **253 ft.**

LUST:
Name: METRO DIVISION 1 MAINTENACE FACILITY
Address: 1130 EAST 6TH STREET
City,State,Zip: LOS ANGELES, CA 90021
Lead Agency: LOS ANGELES RWQCB (REGION 4)
Case Type: LUST Cleanup Site
Geo Track: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T10000000634
Global Id: T10000000634
Latitude: 34.0368206900479
Longitude: -118.23887423947
Status: Completed - Case Closed
Status Date: 07/15/2016
Case Worker: CET
RB Case Number: 900210207
Local Agency: LOS ANGELES, CITY OF
File Location: Not reported
Local Case Number: Not reported
Potential Media Affect: Soil
Potential Contaminants of Concern: Gasoline
Site History: Not reported

LUST:
Global Id: T10000000634
Contact Type: Regional Board Caseworker
Contact Name: CHANDRA TYLER
Organization Name: LOS ANGELES RWQCB (REGION 4)
Address: Not reported
City: R4 UNKNOWN
Email: cetyler@waterboards.ca.gov
Phone Number: Not reported

Global Id: T10000000634
Contact Type: Local Agency Caseworker
Contact Name: ELOY LUNA
Organization Name: LOS ANGELES, CITY OF
Address: 200 North Main Street, Suite 1780
City: LOS ANGELES
Email: eloy.luna@lacity.org
Phone Number: Not reported

LUST:
Global Id: T10000000634
Action Type: ENFORCEMENT
Date: 02/16/2006
Action: Notice to Comply

Global Id: T10000000634

METRO DIVISION 1 MAINTENACE FACILITY (Continued) **S105663639**

Action Type: ENFORCEMENT
Date: 04/18/2006
Action: Technical Correspondence / Assistance / Other

Global Id: T10000000634
Action Type: ENFORCEMENT
Date: 07/15/2016
Action: Closure/No Further Action Letter

Global Id: T10000000634
Action Type: ENFORCEMENT
Date: 01/19/2016
Action: Notification - Preclosure

Global Id: T10000000634
Action Type: RESPONSE
Date: 02/05/2007
Action: Interim Remedial Action Plan

Global Id: T10000000634
Action Type: RESPONSE
Date: 01/24/2007
Action: Pilot Study/ Treatability Report

Global Id: T10000000634
Action Type: RESPONSE
Date: 07/18/2006
Action: Site Assessment Report

Global Id: T10000000634
Action Type: RESPONSE
Date: 06/27/2006
Action: Other Report / Document

Global Id: T10000000634
Action Type: RESPONSE
Date: 04/13/2006
Action: Soil and Water Investigation Workplan

Global Id: T10000000634
Action Type: RESPONSE
Date: 07/20/2007
Action: Request for Closure

Global Id: T10000000634
Action Type: RESPONSE
Date: 11/19/2002
Action: Corrective Action Plan / Remedial Action Plan

Global Id: T10000000634
Action Type: RESPONSE
Date: 06/22/2001
Action: Site Assessment Report

Global Id: T10000000634
Action Type: RESPONSE
Date: 06/27/2006

METRO DIVISION 1 MAINTENACE FACILITY (Continued) **S105663639**

Action: Other Report / Document

Global Id: T10000000634
Action Type: RESPONSE
Date: 11/16/2004
Action: Risk Assessment Report

Global Id: T10000000634
Action Type: RESPONSE
Date: 11/08/2004
Action: Monitoring Report - Other

Global Id: T10000000634
Action Type: RESPONSE
Date: 11/19/2004
Action: Request for Closure

Global Id: T10000000634
Action Type: RESPONSE
Date: 06/21/2015
Action: Other Report / Document

Global Id: T10000000634
Action Type: ENFORCEMENT
Date: 03/18/2015
Action: Referral to Regional Board

Global Id: T10000000634
Action Type: ENFORCEMENT
Date: 03/18/2015
Action: Referral to Regional Board

Global Id: T10000000634
Action Type: ENFORCEMENT
Date: 05/21/2015
Action: Staff Letter

Global Id: T10000000634
Action Type: RESPONSE
Date: 11/03/2015
Action: Request for Closure - Regulator Responded

Global Id: T10000000634
Action Type: REMEDIATION
Date: 05/10/2006
Action: Excavation

Global Id: T10000000634
Action Type: REMEDIATION
Date: 08/23/2006
Action: Soil Vapor Extraction (SVE)

Global Id: T10000000634
Action Type: REMEDIATION
Date: 02/12/2007
Action: Soil Vapor Extraction (SVE)

METRO DIVISION 1 MAINTENACE FACILITY (Continued) **S105663639**

LUST:

Global Id:	T10000000634
Status:	Open - Site Assessment
Status Date:	07/20/2007
Global Id:	T10000000634
Status:	Open - Case Begin Date
Status Date:	12/18/2008
Global Id:	T10000000634
Status:	Open - Remediation
Status Date:	12/18/2008
Global Id:	T10000000634
Status:	Open - Eligible for Closure
Status Date:	01/03/2014
Global Id:	T10000000634
Status:	Completed - Case Closed
Status Date:	07/15/2016

CHMIRS:

Name:	Not reported
Address:	1130 EAST 6TH STREET
City,State,Zip:	LOS ANGELES, CA 90012
OES Incident Number:	9-0025
OES notification:	01/04/1999
OES Date:	Not reported
OES Time:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	No

METRO DIVISION 1 MAINTENACE FACILITY (Continued) **S105663639**

Waterway:	Not reported
Spill Site:	Not reported
Cleanup By:	Reporting Party
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Date/Time:	Not reported
Year:	1999
Agency:	MTA
Incident Date:	1/4/199912:00:00 AM
Admin Agency:	Los Angeles City Fire Department
Amount:	Not reported
Contained:	Yes
Site Type:	Other
E Date:	Not reported
Substance:	diesel
Gallons:	50
Unknown:	0
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	0
Number of Injuries:	0
Number of Fatalities:	0
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	Valve failure.

CORTESE:

Name:	METRO DIVISION 1 MAINTENACE FACILITY
Address:	1130 EAST 6TH STREET
City,State,Zip:	LOS ANGELES, CA 90021
Region:	CORTESE
Envirostor Id:	Not reported
Global ID:	T10000000634
Site/Facility Type:	LUST CLEANUP SITE
Cleanup Status:	COMPLETED - CASE CLOSED
Status Date:	Not reported
Site Code:	Not reported
Latitude:	Not reported
Longitude:	Not reported
Owner:	Not reported
Enf Type:	Not reported
Swat R:	Not reported
Flag:	active
Order No:	Not reported
Waste Discharge System No:	Not reported
Effective Date:	Not reported

METRO DIVISION 1 MAINTENACE FACILITY (Continued) **S105663639**

Region 2:	Not reported
WID Id:	Not reported
Solid Waste Id No:	Not reported
Waste Management Uit Name:	Not reported
File Name:	Active Open

CERS:

Name:	METRO DIVISION 1 MAINTENACE FACILITY
Address:	1130 EAST 6TH STREET
City,State,Zip:	LOS ANGELES, CA 90021
Site ID:	191542
CERS ID:	T10000000634
CERS Description:	Leaking Underground Storage Tank Cleanup Site

Affiliation:

Affiliation Type Desc:	Local Agency Caseworker
Entity Name:	ELOY LUNA - LOS ANGELES, CITY OF
Entity Title:	Not reported
Affiliation Address:	200 North Main Street, Suite 1780
Affiliation City:	LOS ANGELES
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	.

Affiliation Type Desc:	Regional Board Caseworker
Entity Name:	CHANDRA TYLER - LOS ANGELES RWQCB (REGION 4)
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	R4 UNKNOWN
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	.

AE171 **LA COUNTY METROPOLITAN TRANSP DIV 1** **UST** **U004265060**
North **1130 E 6TH ST** **N/A**
1/8-1/4 **LOS ANGELES, CA 90021**
0.210 mi.
1107 ft. **Site 5 of 11 in cluster AE**

Relative: **Higher**

Actual: **253 ft.**

UST:

Name:	LA COUNTY METROPOLITAN TRANSP DIV 1
Address:	1130 E 6TH ST
City,State,Zip:	LOS ANGELES, CA 90021
Facility ID:	FA0020679
Permitting Agency:	Los Angeles City Fire Department
CERSID:	10247662
Latitude:	34.0382300
Longitude:	-118.238630
Owner type:	Not reported
Facility type:	Not reported
Num of inuse ust:	Not reported
Num of closed ust:	Not reported
Num of oos ust:	Not reported
Epa region:	Not reported
Tribal lands:	Not reported

LA COUNTY METROPOLITAN TRANSP DIV 1 (Continued) **U004265060**

Tank owner name:	Not reported
Tank owner mailing address:	Not reported
Tank owner mailing city:	Not reported
Tank owner mailing zip:	Not reported
Tank owner mailing state:	Not reported
Tank operator name:	Not reported
Tank operator mailing address:	Not reported
Tank operator mailing city:	Not reported
Tank operator mailing zip:	Not reported
Tank operator mailing state:	Not reported
Tankidnumber:	Not reported
Tank status:	Not reported
Tank configuration:	Not reported
Tank closure date:	Not reported
Tank installation date:	Not reported
Tank num of compartments:	Not reported
Tank contents:	Not reported
Tank capacity gallons:	Not reported
Tank type:	Not reported
Tank pc construction:	Not reported
Tank pwpiping construction:	Not reported
Tank piping type:	Not reported
Tank piping construction:	Not reported
Tank sacrificial anode:	Not reported
Tank cp impressed current:	Not reported
Tank cp shutoff:	Not reported
Tank alarms:	Not reported
Tank ball float:	Not reported
Tank spill bucket:	Not reported

Name:	LA COUNTY METROPOLITAN TRANSP DIV 1
Address:	1130 E 6TH ST
City,State,Zip:	LOS ANGELES, CA 90021
Facility ID:	Not reported
Permitting Agency:	Los Angeles City Fire Department
CERSID:	Not reported
Latitude:	34.03823
Longitude:	-118.23863
Owner type:	Not reported
Facility type:	Not reported
Num of inuse ust:	Not reported
Num of closed ust:	Not reported
Num of oos ust:	Not reported
Epa region:	Not reported
Tribal lands:	Not reported
Tank owner name:	Not reported
Tank owner mailing address:	Not reported
Tank owner mailing city:	Not reported
Tank owner mailing zip:	Not reported
Tank owner mailing state:	Not reported
Tank operator name:	Not reported
Tank operator mailing address:	Not reported
Tank operator mailing city:	Not reported
Tank operator mailing zip:	Not reported
Tank operator mailing state:	Not reported
Tankidnumber:	Not reported
Tank status:	Not reported

LA COUNTY METROPOLITAN TRANSP DIV 1 (Continued) **U004265060**

Tank configuration:	Not reported
Tank closure date:	Not reported
Tank installation date:	Not reported
Tank num of compartments:	Not reported
Tank contents:	Not reported
Tank capacity gallons:	Not reported
Tank type:	Not reported
Tank pc construction:	Not reported
Tank pwpiping construction:	Not reported
Tank piping type:	Not reported
Tank piping construction:	Not reported
Tank sacrificial anode:	Not reported
Tank cp impressed current:	Not reported
Tank cp shutoff:	Not reported
Tank alarms:	Not reported
Tank ball float:	Not reported
Tank spill bucket:	Not reported

LOS ANGELES UST:

Name:	LA COUNTY METROPOLITAN TRANSP DIV 1
Address:	1130 E 6TH ST
City,State,Zip:	LOS ANGELES, CA 90021
Facility ID:	FA0020679
Last Run Date:	11/01/2022
Status:	ACTIVE

AE172 **UST** **U004304026**
North **6TH & ALAMEDA** **N/A**
1/8-1/4 **LOS ANGELES, CA**
0.211 mi.
1112 ft. **Site 6 of 11 in cluster AE**

Relative: **Higher**
Actual: **253 ft.**

LOS ANGELES UST:

Name:	Not reported
Address:	6TH & ALAMEDA
City,State,Zip:	LOS ANGELES, CA
Facility ID:	Not reported
Last Run Date:	01/01/1900
Status:	HISTORICAL

AF173 **SAME AS ABOVE** **HIST UST** **U001560900**
SE **1811 SACRAMENTO ST** **N/A**
1/8-1/4 **LOS ANGELES, CA 90021**
0.212 mi.
1117 ft. **Site 1 of 4 in cluster AF**

Relative: **Lower**
Actual: **241 ft.**

HIST UST:

Name:	SAME AS ABOVE
Address:	1811 SACRAMENTO ST
City,State,Zip:	LOS ANGELES, CA 90021
File Number:	Not reported
URL:	Not reported
Region:	STATE
Facility ID:	00000007730
Facility Type:	Other
Other Type:	PRODUCE DISTR.

SAME AS ABOVE (Continued) **U001560900**

Contact Name:	JAMES ZAFERIS
Telephone:	2139338003
Owner Name:	UNITED MELON DIST., INC.
Owner Address:	1811 SACRAMENTO ST.
Owner City,St,Zip:	LOS ANGELES, CA 90021
Total Tanks:	0002
Tank Num:	001
Container Num:	02
Year Installed:	Not reported
Tank Capacity:	00010000
Tank Used for:	PRODUCT
Type of Fuel:	DIESEL
Container Construction Thickness:	Not reported
Leak Detection:	Stock Inventor
Tank Num:	002
Container Num:	01
Year Installed:	Not reported
Tank Capacity:	00010000
Tank Used for:	PRODUCT
Type of Fuel:	UNLEADED
Container Construction Thickness:	Not reported
Leak Detection:	Stock Inventor

AF174 **UNITED MELON DISTRIBUTORS INC** **HAZMAT** **S123544272**
SE **1811 E SACRAMENTO ST** **N/A**
1/8-1/4 **LOS ANGELES, CA 90021**
0.212 mi.
1117 ft. **Site 2 of 4 in cluster AF**

Relative: LOS ANGELES HM:
Lower

Name:	UNITED MELON DISTRIBUTORS INC
Address:	1811 E SACRAMENTO ST
City,State,Zip:	LOS ANGELES, CA 90021
Facility ID:	FA0008761
Last Run Date:	11/01/2022
Status:	INACTIVE

Actual:
241 ft.

AF175 **UNITED MELON DISTRIBUTORS INC** **SWEEPS UST** **S101587342**
SE **1811 SACRAMENTO ST** **HIST UST** **N/A**
1/8-1/4 **LOS ANGELES, CA 90021** **CA FID UST**
0.212 mi.
1117 ft. **Site 3 of 4 in cluster AF**

Relative: SWEEPS UST:
Lower

Name:	UNITED MELON DISTRIBUTORS INC
Address:	1811 SACRAMENTO ST
City:	LOS ANGELES
Status:	Not reported
Comp Number:	854
Number:	Not reported
Board Of Equalization:	Not reported
Referral Date:	Not reported
Action Date:	Not reported
Created Date:	Not reported

Actual:
241 ft.

UNITED MELON DISTRIBUTORS INC (Continued) **S101587342**

Owner Tank Id: Not reported
SWRCB Tank Id: 19-050-000854-000001
Tank Status: Not reported
Capacity: 10000
Active Date: Not reported
Tank Use: M.V. FUEL
STG: PRODUCT
Content: DIESEL
Number Of Tanks: 2

Name: UNITED MELON DISTRIBUTORS INC
Address: 1811 SACRAMENTO ST
City: LOS ANGELES
Status: Not reported
Comp Number: 854
Number: Not reported
Board Of Equalization: Not reported
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 19-050-000854-000002
Tank Status: Not reported
Capacity: 10000
Active Date: Not reported
Tank Use: M.V. FUEL
STG: PRODUCT
Content: REG UNLEADED
Number Of Tanks: Not reported

HIST UST:
Name: UNITED MELON DIST INC
Address: 1811 SACRAMENTO ST
City,State,Zip: LOS ANGELES, CA 90021
File Number: 00028406
URL: https://documents.geotracker.waterboards.ca.gov/ustpdfs/pdf/00028406.pdf
Region: Not reported
Facility ID: Not reported
Facility Type: Not reported
Other Type: Not reported
Contact Name: Not reported
Telephone: Not reported
Owner Name: Not reported
Owner Address: Not reported
Owner City,St,Zip: Not reported
Total Tanks: Not reported

Tank Num: Not reported
Container Num: Not reported
Year Installed: Not reported
Tank Capacity: Not reported
Tank Used for: Not reported
Type of Fuel: Not reported
Container Construction Thickness: Not reported
Leak Detection: Not reported

UNITED MELON DISTRIBUTORS INC (Continued) **S101587342**

Click here for Geo Tracker PDF:

CA FID UST:

Facility ID:	19055351
Regulated By:	UTNKA
Regulated ID:	00007730
Cortese Code:	Not reported
SIC Code:	Not reported
Facility Phone:	2139338003
Mail To:	Not reported
Mailing Address:	1811 SACRAMENTO ST
Mailing Address 2:	Not reported
Mailing City,St,Zip:	LOS ANGELES 900210000
Contact:	Not reported
Contact Phone:	Not reported
DUNs Number:	Not reported
NPDES Number:	Not reported
EPA ID:	Not reported
Comments:	Not reported
Status:	Active

AF176
SE
1/8-1/4
0.212 mi.
1117 ft.

UNITED MELON DISTRIBUTORS INC
1811 E SACRAMENTO ST
LOS ANGELES, CA 90021

Site 4 of 4 in cluster AF

UST **U004305994**
N/A

Relative:
Lower

Actual:
241 ft.

LOS ANGELES UST:

Name:	UNITED MELON DISTRIBUTORS INC
Address:	1811 E SACRAMENTO ST
City,State,Zip:	LOS ANGELES, CA 90021
Facility ID:	FA0008761
Last Run Date:	11/01/2022
Status:	INACTIVE

S177
West
1/8-1/4
0.212 mi.
1119 ft.

825-27 S CENTRAL AVE
LOS ANGELES, CA

Site 3 of 3 in cluster S

UST **U004304682**
N/A

Relative:
Lower

Actual:
244 ft.

LOS ANGELES UST:

Name:	Not reported
Address:	825-27 S CENTRAL AVE
City,State,Zip:	LOS ANGELES, CA
Facility ID:	Not reported
Last Run Date:	01/01/1900
Status:	HISTORICAL

AG178
NNW
1/8-1/4
0.213 mi.
1125 ft.

1220 E 7TH ST
LOS ANGELES, CA

Site 1 of 2 in cluster AG

UST **U004299294**
N/A

Relative:
Higher

Actual:
252 ft.

LOS ANGELES UST:

Name:	Not reported
Address:	1220 E 7TH ST
City,State,Zip:	LOS ANGELES, CA
Facility ID:	Not reported
Last Run Date:	01/01/1900
Status:	HISTORICAL

AA179
NNW
1/8-1/4
0.215 mi.
1136 ft.

J L G CONSTRUCTION CO
1228 INDUSTRIAL ST
LOS ANGELES, CA 90021

Site 5 of 8 in cluster AA

SWEEPS UST **S101588150**
CA FID UST **N/A**

Relative:
Higher

Actual:
253 ft.

SWEEPS UST:

Name:	J L G CONSTRUCTION CO
Address:	1228 INDUSTRIAL ST
City:	LOS ANGELES
Status:	Not reported
Comp Number:	6918
Number:	Not reported
Board Of Equalization:	Not reported
Referral Date:	Not reported
Action Date:	Not reported
Created Date:	Not reported
Owner Tank Id:	Not reported
SWRCB Tank Id:	Not reported
Tank Status:	Not reported
Capacity:	Not reported
Active Date:	Not reported
Tank Use:	Not reported
STG:	Not reported
Content:	Not reported
Number Of Tanks:	Not reported

CA FID UST:

Facility ID:	19056386
Regulated By:	UTNKA
Regulated ID:	Not reported
Cortese Code:	Not reported
SIC Code:	Not reported
Facility Phone:	2130000000
Mail To:	Not reported
Mailing Address:	1228 INDUSTRIAL ST
Mailing Address 2:	Not reported
Mailing City,St,Zip:	LOS ANGELES 900210000
Contact:	Not reported
Contact Phone:	Not reported
DUNs Number:	Not reported
NPDES Number:	Not reported
EPA ID:	Not reported
Comments:	Not reported
Status:	Active

AA180
NNW
1/8-1/4
0.215 mi.
1136 ft.

1228 E INDUSTRIAL ST
LOS ANGELES, CA

Site 6 of 8 in cluster AA

UST **U004299325**
N/A

Relative:
Higher

Actual:
253 ft.

LOS ANGELES UST:

Name:	Not reported
Address:	1228 E INDUSTRIAL ST
City,State,Zip:	LOS ANGELES, CA
Facility ID:	Not reported
Last Run Date:	01/01/1900
Status:	HISTORICAL

AD181
WSW
1/8-1/4
0.218 mi.
1151 ft.

DUPLICATE
1320 E OLYMPIC BLVD
LOS ANGELES, CA 90021

Site 3 of 3 in cluster AD

HAZMAT **S123503464**
CERS **N/A**

Relative:
Lower

Actual:
242 ft.

LOS ANGELES HM:

Name:	VERIZON WIRELESS: OLYMPIC
Address:	1320 E OLYMPIC BLVD
City,State,Zip:	LOS ANGELES, CA 90021
Facility ID:	FA0039445
Last Run Date:	11/01/2022
Status:	ACTIVE

Name:	DUPLICATE
Address:	1320 E OLYMPIC BLVD
City,State,Zip:	LOS ANGELES, CA 90021
Facility ID:	FA0043110
Last Run Date:	11/01/2022
Status:	INACTIVE

CERS:

Name:	VERIZON WIRELESS: OLYMPIC
Address:	1320 E OLYMPIC BOULEVARD
City,State,Zip:	LOS ANGELES, CA 90021
Site ID:	168441
CERS ID:	10163897
CERS Description:	Chemical Storage Facilities

Evaluation:

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	11-20-2020
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	The Remote Facility Inspection Application was reviewed. The Business Activities, Owner/Operator Identification, Hazardous Materials Inventory, Site Map, Emergency Response/Contingency Plan and Employee Training Plan sections were reviewed in CERS. Employee Training records were reviewed as well. Review and correct any violations indicated previously in this report, on or before the COMPLY BY date associated with each violation. NOTE: Due to the COVID-19 pandemic and in an effort to minimize transmission risk this inspection was completed remotely. The accuracy of the inventory, site map and spill release history was verified through the Remote Facility Inspection Application submitted by the facility. Please note that future inspections may not be eligible for remote facility inspections. The

DUPLICATE (Continued) **S123503464**

LAMC, Sections (L.A.M.C. SECTION 57.105.1.4; 57.120.3; 57.121.2 and 57.121.2.1.) requires businesses that store, use or handle hazardous materials in the City of Los Angeles [Truncated]

Eval Division: Los Angeles City Fire Department
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 12-06-2017
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: 24 Deka 2AVR2/125-33L batteries x 4 gallons
Eval Division: Los Angeles City Fire Department
Eval Program: HMRRP
Eval Source: CERS,

Affiliation:
Affiliation Type Desc: Document Preparer
Entity Name: Steve Skanderson, Stantec
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: .

Affiliation Type Desc: Environmental Contact
Entity Name: Environmental Compliance
Entity Title: Not reported
Affiliation Address: 15505 Sand Canyon Avenue, MS D-104
Affiliation City: Irvine
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 92618
Affiliation Phone: .

Affiliation Type Desc: Facility Mailing Address
Entity Name: Mailing Address
Entity Title: Not reported
Affiliation Address: 15505 Sand Canyon Avenue, MS D-104
Affiliation City: Irvine
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 92618
Affiliation Phone: .

Affiliation Type Desc: Operator
Entity Name: Verizon Wireless
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: (949) 286-7000,

DUPLICATE (Continued) **S123503464**

Affiliation Type Desc:	Legal Owner
Entity Name:	Verizon Wireless
Entity Title:	Not reported
Affiliation Address:	15505 Sand Canyon Avenue, MS D-104
Affiliation City:	Irvine
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	92618
Affiliation Phone:	(949) 286-7000,
Affiliation Type Desc:	CUPA District
Entity Name:	Los Angeles City Fire Department
Entity Title:	Not reported
Affiliation Address:	200 North Main Street, Room 1780
Affiliation City:	Los Angeles
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	90012
Affiliation Phone:	(213) 978-3680,
Affiliation Type Desc:	Identification Signer
Entity Name:	Wilson Rodriguez
Entity Title:	Engr III Spec-RE/Regulatory
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	.
Affiliation Type Desc:	Parent Corporation
Entity Name:	Verizon Wireless [Southern California]
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	.

AC182 **UST** **U004304463**
WNW **776-8 MERCHANT ST** **N/A**
1/8-1/4 **LOS ANGELES, CA**
0.219 mi.
1155 ft. **Site 12 of 20 in cluster AC**

Relative: LOS ANGELES UST:
Higher

Actual: Name:	Not reported
246 ft. Address:	776-8 MERCHANT ST
City,State,Zip:	LOS ANGELES, CA
Facility ID:	Not reported
Last Run Date:	01/01/1900
Status:	HISTORICAL

AH183 **J & J TRUCK REPAIR** **HAZMAT** **S123546401**
SSW **938 S LONG BEACH AVE** **N/A**
1/8-1/4 **LOS ANGELES, CA 90021**
0.220 mi.
1163 ft. **Site 1 of 5 in cluster AH**

Relative: LOS ANGELES HM:
Lower
Actual: Name: J & J TRUCK REPAIR
241 ft. Address: 938 S LONG BEACH AVE
City,State,Zip: LOS ANGELES, CA 90021
Facility ID: FA0015623
Last Run Date: 11/01/2022
Status: INACTIVE

AE184 **DIVISION 1 - ALAMEDA** **HIST UST** **S113002870**
North **1016 E 6TH STREET** **HAZNET** **N/A**
1/8-1/4 **LOS ANGELES, CA 90031** **HWTS**
0.221 mi.
1167 ft. **Site 7 of 11 in cluster AE**

Relative: HIST UST:
Higher
Actual: Name: DIVISION 1 - ALAMEDA
254 ft. Address: 1016 E 6TH STREET
City,State,Zip: LOS ANGELES, CA 90031
File Number: 00028768
URL: https://documents.geotracker.waterboards.ca.gov/ustpdfs/pdf/00028768.pdf
Region: Not reported
Facility ID: Not reported
Facility Type: Not reported
Other Type: Not reported
Contact Name: Not reported
Telephone: Not reported
Owner Name: Not reported
Owner Address: Not reported
Owner City,St,Zip: Not reported
Total Tanks: Not reported

Tank Num: Not reported
Container Num: Not reported
Year Installed: Not reported
Tank Capacity: Not reported
Tank Used for: Not reported
Type of Fuel: Not reported
Container Construction Thickness: Not reported
Leak Detection: Not reported

Click here for Geo Tracker PDF:

HAZNET:
Name: L.A.C.M.T.A.
Address: 1016 E 6TH ST
Address 2: Not reported
City,State,Zip: LOS ANGELES, CA 900210000
Contact: JAMES JIMENEZ
Telephone: 2139225870
Mailing Name: Not reported
Mailing Address: 470 BAUCHET STREET

Year: 2021

DIVISION 1 - ALAMEDA (Continued) **S113002870**

Gepaid: CAD980814040
TSD EPA ID: CAT080013352
CA Waste Code: 222 - Oil/water separation sludge
Disposal Method: H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Tons: 206.83904

Year: 2021
Gepaid: CAD980814040
TSD EPA ID: AZR000520304
CA Waste Code: 352 - Other organic solids
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 1

Year: 2021
Gepaid: CAD980814040
TSD EPA ID: CAD099452708
CA Waste Code: 133 - Aqueous solution with total organic residues 10 percent or more
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 3.23186

Year: 2021
Gepaid: CAD980814040
TSD EPA ID: CAT080013352
CA Waste Code: 133 - Aqueous solution with total organic residues 10 percent or more
Disposal Method: H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Tons: 13.21936

Year: 2021
Gepaid: CAD980814040
TSD EPA ID: CAD008252405
CA Waste Code: 214 - Unspecified solvent mixture
Disposal Method: H061 - Fuel Blending Prior To Energy Recovery At Another Site
Tons: 0.1

Year: 2021
Gepaid: CAD980814040
TSD EPA ID: CAD009007626
CA Waste Code: 151 - Asbestos containing waste
Disposal Method: H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Tons: 5.75

Year: 2020
Gepaid: CAD980814040
TSD EPA ID: CAT080013352
CA Waste Code: 133 - Aqueous solution with total organic residues 10 percent or more
Disposal Method: H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Tons: 16.93079

Year: 2020
Gepaid: CAD980814040
TSD EPA ID: CAT080013352

DIVISION 1 - ALAMEDA (Continued) **S113002870**

CA Waste Code:	223 - Unspecified oil-containing waste
Disposal Method:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Tons:	0.14595
Year:	2020
Gepaid:	CAD980814040
TSD EPA ID:	AZR000520304
CA Waste Code:	352 - Other organic solids
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	2.15
Year:	2020
Gepaid:	CAD980814040
TSD EPA ID:	CAD008252405
CA Waste Code:	214 - Unspecified solvent mixture
Disposal Method:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Tons:	0.198

Click this hyperlink while viewing on your computer to access
283 additional CA HAZNET: record(s) in the EDR Site Report.

Additional Info:

Year:	2021
Gen EPA ID:	CAD980814040
Shipment Date:	9/4/2020
Creation Date:	9/23/2020
Receipt Date:	9/4/2020
Manifest ID:	021706316JJK
Trans EPA ID:	CAD028277036
Trans Name:	ASBURY ENVIRONMENTAL SERVICES DBA WORLD OIL ENVIROMENTAL SERVICES
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	WORLD OIL RECYCLING
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	133 - Aqueous solution with 10% or more total organic residues
RCRA Code:	Not reported
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	1.37615
Waste Quantity:	330
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	9/2/2020
Creation Date:	9/18/2020
Receipt Date:	9/2/2020
Manifest ID:	021643477JJK

DIVISION 1 - ALAMEDA (Continued) **S113002870**

Trans EPA ID:	CAR000159681
Trans Name:	WESTERN ENVIRONMENTAL SERVICES
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	WORLD OIL RECYCLING
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	222 - Oil/water separation sludge
RCRA Code:	Not reported
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	17.5146
Waste Quantity:	4200
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	9/1/2020
Creation Date:	9/17/2020
Receipt Date:	9/1/2020
Manifest ID:	021643465JJK
Trans EPA ID:	CAR000159681
Trans Name:	WESTERN ENVIRONMENTAL SERVICES
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	WORLD OIL RECYCLING
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	222 - Oil/water separation sludge
RCRA Code:	Not reported
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	14.5955
Waste Quantity:	3500
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	8/31/2020
Creation Date:	10/13/2020
Receipt Date:	9/17/2020
Manifest ID:	006529083GBF
Trans EPA ID:	CAL000224539
Trans Name:	FRS ENVIRONMENTAL, INC.
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008252405
Trans Name:	PACIFIC RESOURCE RECOVERY SERVICES INC
TSDF Alt EPA ID:	Not reported

DIVISION 1 - ALAMEDA (Continued) **S113002870**

TSDF Alt Name:	Not reported
Waste Code Description:	214 - Unspecified solvent mixture
RCRA Code:	D001
Meth Code:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons:	0.198
Waste Quantity:	55
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	8/18/2020
Creation Date:	8/26/2020
Receipt Date:	8/20/2020
Manifest ID:	006529028GBF
Trans EPA ID:	CAL000224539
Trans Name:	FRS ENVIRONMENTAL, INC.
Trans 2 EPA ID:	CAD980585293
Trans 2 Name:	INDUSTRIAL WASTE UTILIZATION
TSDF EPA ID:	AZR000520304
Trans Name:	AA SYDCOL LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.325
Waste Quantity:	650
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	8/18/2020
Creation Date:	8/26/2020
Receipt Date:	8/20/2020
Manifest ID:	006529028GBF
Trans EPA ID:	CAL000224539
Trans Name:	FRS ENVIRONMENTAL, INC.
Trans 2 EPA ID:	CAD980585293
Trans 2 Name:	INDUSTRIAL WASTE UTILIZATION
TSDF EPA ID:	AZR000520304
Trans Name:	AA SYDCOL LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.15
Waste Quantity:	300
Quantity Unit:	P

DIVISION 1 - ALAMEDA (Continued) **S113002870**

Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	8/10/2020
Creation Date:	8/24/2020
Receipt Date:	8/10/2020
Manifest ID:	018172757JJK
Trans EPA ID:	CAD028277036
Trans Name:	ASBURY ENVIRONMENTAL SERVICES DBA WORLD OIL ENVIROMENTAL SERVICES
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	WORLD OIL RECYCLING
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	133 - Aqueous solution with 10% or more total organic residues
RCRA Code:	Not reported
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	1.12594
Waste Quantity:	270
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	7/7/2020
Creation Date:	7/27/2020
Receipt Date:	7/7/2020
Manifest ID:	021643227JJK
Trans EPA ID:	CAR000159681
Trans Name:	WESTERN ENVIRONMENTAL SERVICES
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	WORLD OIL RECYCLING
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	222 - Oil/water separation sludge
RCRA Code:	Not reported
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	20.85071
Waste Quantity:	5000
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	7/6/2020

DIVISION 1 - ALAMEDA (Continued) **S113002870**

Creation Date:	7/27/2020
Receipt Date:	7/6/2020
Manifest ID:	021643226JJK
Trans EPA ID:	CAR000159681
Trans Name:	WESTERN ENVIRONMENTAL SERVICES
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	WORLD OIL RECYCLING
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	222 - Oil/water separation sludge
RCRA Code:	Not reported
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	9.17431
Waste Quantity:	2200
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	7/22/2020
Creation Date:	8/12/2020
Receipt Date:	7/22/2020
Manifest ID:	021643304JJK
Trans EPA ID:	CAR000159681
Trans Name:	WESTERN ENVIRONMENTAL SERVICES
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	WORLD OIL RECYCLING
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	222 - Oil/water separation sludge
RCRA Code:	Not reported
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	0.41701
Waste Quantity:	100
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2020
Gen EPA ID:	CAD980814040

Shipment Date:	9/4/2020
Creation Date:	9/23/2020
Receipt Date:	9/4/2020
Manifest ID:	021706316JJK

DIVISION 1 - ALAMEDA (Continued) **S113002870**

Trans EPA ID:	CAD028277036
Trans Name:	ASBURY ENVIRONMENTAL SERVICES DBA WORLD OIL ENVIROMENTAL SERVICES
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	WORLD OIL RECYCLING
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	133 - Aqueous solution with 10% or more total organic residues
RCRA Code:	Not reported
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	1.37615
Waste Quantity:	330
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	9/2/2020
Creation Date:	9/18/2020
Receipt Date:	9/2/2020
Manifest ID:	021643477JJK
Trans EPA ID:	CAR000159681
Trans Name:	WESTERN ENVIRONMENTAL SERVICES
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	WORLD OIL RECYCLING
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	222 - Oil/water separation sludge
RCRA Code:	Not reported
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	17.5146
Waste Quantity:	4200
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	9/1/2020
Creation Date:	9/17/2020
Receipt Date:	9/1/2020
Manifest ID:	021643465JJK
Trans EPA ID:	CAR000159681
Trans Name:	WESTERN ENVIRONMENTAL SERVICES
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	WORLD OIL RECYCLING
TSDF Alt EPA ID:	Not reported

DIVISION 1 - ALAMEDA (Continued) **S113002870**

TSDF Alt Name:	Not reported
Waste Code Description:	222 - Oil/water separation sludge
RCRA Code:	Not reported
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	14.5955
Waste Quantity:	3500
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	8/31/2020
Creation Date:	10/13/2020
Receipt Date:	9/17/2020
Manifest ID:	006529083GBF
Trans EPA ID:	CAL000224539
Trans Name:	FRS ENVIRONMENTAL, INC.
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008252405
Trans Name:	PACIFIC RESOURCE RECOVERY SERVICES INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	214 - Unspecified solvent mixture
RCRA Code:	D001
Meth Code:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons:	0.198
Waste Quantity:	55
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	8/18/2020
Creation Date:	8/26/2020
Receipt Date:	8/20/2020
Manifest ID:	006529028GBF
Trans EPA ID:	CAL000224539
Trans Name:	FRS ENVIRONMENTAL, INC.
Trans 2 EPA ID:	CAD980585293
Trans 2 Name:	INDUSTRIAL WASTE UTILIZATION
TSDF EPA ID:	AZR000520304
Trans Name:	AA SYDCOL LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Recovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.15
Waste Quantity:	300
Quantity Unit:	P

DIVISION 1 - ALAMEDA (Continued) **S113002870**

Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	8/18/2020
Creation Date:	8/26/2020
Receipt Date:	8/20/2020
Manifest ID:	006529028GBF
Trans EPA ID:	CAL000224539
Trans Name:	FRS ENVIRONMENTAL, INC.
Trans 2 EPA ID:	CAD980585293
Trans 2 Name:	INDUSTRIAL WASTE UTILIZATION
TSDF EPA ID:	AZR000520304
Trans Name:	AA SYDCOL LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.325
Waste Quantity:	650
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	8/10/2020
Creation Date:	8/24/2020
Receipt Date:	8/10/2020
Manifest ID:	018172757JJK
Trans EPA ID:	CAD028277036
Trans Name:	ASBURY ENVIRONMENTAL SERVICES DBA WORLD OIL ENVIROMENTAL SERVICES
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	WORLD OIL RECYCLING
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	133 - Aqueous solution with 10% or more total organic residues
RCRA Code:	Not reported
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	1.12594
Waste Quantity:	270
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	7/7/2020

DIVISION 1 - ALAMEDA (Continued) **S113002870**

Creation Date:	7/27/2020
Receipt Date:	7/7/2020
Manifest ID:	021643227JJK
Trans EPA ID:	CAR000159681
Trans Name:	WESTERN ENVIRONMENTAL SERVICES
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	WORLD OIL RECYCLING
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	222 - Oil/water separation sludge
RCRA Code:	Not reported
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	20.85071
Waste Quantity:	5000
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	7/6/2020
Creation Date:	7/27/2020
Receipt Date:	7/6/2020
Manifest ID:	021643226JJK
Trans EPA ID:	CAR000159681
Trans Name:	WESTERN ENVIRONMENTAL SERVICES
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	WORLD OIL RECYCLING
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	222 - Oil/water separation sludge
RCRA Code:	Not reported
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	9.17431
Waste Quantity:	2200
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	7/22/2020
Creation Date:	8/12/2020
Receipt Date:	7/22/2020
Manifest ID:	021643304JJK
Trans EPA ID:	CAR000159681
Trans Name:	WESTERN ENVIRONMENTAL SERVICES
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported

DIVISION 1 - ALAMEDA (Continued) **S113002870**

TSDF EPA ID:	CAT080013352
Trans Name:	WORLD OIL RECYCLING
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	222 - Oil/water separation sludge
RCRA Code:	Not reported
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	0.41701
Waste Quantity:	100
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Detail Two:

Year:	2020
EM Manifest ID:	aee334f7-a8f9-400a-b6de-ffd5a98d323c
Shipment Date:	8/18/2020
Receipt Date:	8/20/2020
Manifest Number:	006529028GBF
Generator EPA ID:	CAD980814040
Name:	L.A.C.M.T.A.
Address:	EAST 6TH STREET
Address 2:	Not reported
City:	LOS ANGELES
Zip:	90021-0000
Telephone:	800-424-9300
Contact:	ROGER W UHDEN
Contact Telephone:	213-922-5848
Transporter 1 EPA ID:	CAL000224539
Transporter 1 Emergency Number:	Not reported
Transporter 2 EPA ID:	CAD980585293
Transporter 2 Emergency Number:	Not reported
TSDF EPA ID:	AZR000520304
TSDF Name:	AA SYDCOL LLC
TSDF Address 1:	2264 E 13TH ST
TSDF Address 2:	Not reported
TSDF City:	YUMA
TSDF Zip:	85365-1858
TSDF Telephone:	Not reported

State:

Year:	2020
EM Manifest ID:	aee334f7-a8f9-400a-b6de-ffd5a98d323c
Generator EPA ID:	CAD980814040
Shipment Date:	2020-08-18
Manifest Number:	006529028GBF
Line Number:	1
Method Code:	H141
Quantity Tons:	0.32500
Quantity Waste:	650.000000
Quantity Unit:	P
Number of Containers:	3
Type of Container:	Metal drums, barrels, kegs

DIVISION 1 - ALAMEDA (Continued) **S113002870**

Quantity Type: Pounds
State Code: 352

Year: 2020
EM Manifest ID: aee334f7-a8f9-400a-b6de-ffd5a98d323c
Generator EPA ID: CAD980814040
Shipment Date: 2020-08-18
Manifest Number: 006529028GBF
Line Number: 2
Method Code: H141
Quantity Tons: 0.15000
Quantity Waste: 300.000000
Quantity Unit: P
Number of Containers: 2
Type of Container: Metal drums, barrels, kegs
Quantity Type: Pounds
State Code: 352

Year: 2020
EM Manifest ID: b45271af-6d53-4162-a9b4-0a478e3caba0
Shipment Date: 6/16/2020
Receipt Date: 6/17/2020
Manifest Number: 006528832GBF
Generator EPA ID: CAD980814040
Name: L.A.C.M.T.A.
Address: EAST 6TH STREET
Address 2: Not reported
City: LOS ANGELES
Zip: 90021-0000
Telephone: 800-424-9300
Contact: ROGER W UHDEN
Contact Telephone: 213-922-5848
Transporter 1 EPA ID: CAL000224539
Transporter 1 Emergency Number: Not reported
Transporter 2 EPA ID: CAD980585293
Transporter 2 Emergency Number: Not reported
TSDF EPA ID: AZR000520304
TSDF Name: AA SYDCOL LLC
TSDF Address 1: 2264 E 13TH ST
TSDF Address 2: Not reported
TSDF City: YUMA
TSDF Zip: 85365-1858
TSDF Telephone: Not reported

State:
Year: 2020
EM Manifest ID: b45271af-6d53-4162-a9b4-0a478e3caba0
Generator EPA ID: CAD980814040
Shipment Date: 2020-06-16
Manifest Number: 006528832GBF
Line Number: 1
Method Code: H141
Quantity Tons: 0.40000
Quantity Waste: 800.000000
Quantity Unit: P
Number of Containers: 4
Type of Container: Metal drums, barrels, kegs

DIVISION 1 - ALAMEDA (Continued) **S113002870**

Quantity Type: Pounds
State Code: 352

Year: 2020
EM Manifest ID: b45271af-6d53-4162-a9b4-0a478e3caba0
Generator EPA ID: CAD980814040
Shipment Date: 2020-06-16
Manifest Number: 006528832GBF
Line Number: 2
Method Code: H141
Quantity Tons: 0.20000
Quantity Waste: 400.000000
Quantity Unit: P
Number of Containers: 2
Type of Container: Metal drums, barrels, kegs
Quantity Type: Pounds
State Code: 352

Year: 2020
EM Manifest ID: c1c4c051-99b6-401e-b36d-b541c21169c2
Shipment Date: 3/24/2020
Receipt Date: 4/2/2020
Manifest Number: 006374634GBF
Generator EPA ID: CAD980814040
Name: L.A.C.M.T.A.
Address: EAST 6TH STREET
Address 2: Not reported
City: LOS ANGELES
Zip: 90021-0000
Telephone: 800-424-9300
Contact: ROGER W UHDEN
Contact Telephone: 213-922-5848
Transporter 1 EPA ID: CAL000224539
Transporter 1 Emergency Number: Not reported
Transporter 2 EPA ID: CAD980585293
Transporter 2 Emergency Number: Not reported
TSDF EPA ID: AZR000520304
TSDF Name: AA SYDCOL LLC
TSDF Address 1: 2264 E 13TH ST
TSDF Address 2: Not reported
TSDF City: YUMA
TSDF Zip: 85365-1858
TSDF Telephone: Not reported

State:
Year: 2020
EM Manifest ID: c1c4c051-99b6-401e-b36d-b541c21169c2
Generator EPA ID: CAD980814040
Shipment Date: 2020-03-24
Manifest Number: 006374634GBF
Line Number: 1
Method Code: H141
Quantity Tons: 0.20000
Quantity Waste: 400.000000
Quantity Unit: P
Number of Containers: 2
Type of Container: Metal drums, barrels, kegs

DIVISION 1 - ALAMEDA (Continued) **S113002870**

Quantity Type:	Pounds
State Code:	352
Year:	2020
EM Manifest ID:	c1c4c051-99b6-401e-b36d-b541c21169c2
Generator EPA ID:	CAD980814040
Shipment Date:	2020-03-24
Manifest Number:	006374634GBF
Line Number:	2
Method Code:	H141
Quantity Tons:	0.07500
Quantity Waste:	150.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Metal drums, barrels, kegs
Quantity Type:	Pounds
State Code:	352
Year:	2020
EM Manifest ID:	859432
Shipment Date:	12/4/2019
Receipt Date:	12/12/2019
Manifest Number:	006375401GBF
Generator EPA ID:	CAD980814040
Name:	L.A.C.M.T.A.
Address:	1016 E 6TH ST
Address 2:	Not reported
City:	LOS ANGELES
Zip:	90021-0000
Telephone:	800-424-9300
Contact:	Not reported
Contact Telephone:	213-922-5870
Transporter 1 EPA ID:	CAL000224539
Transporter 1 Emergency Number:	Not reported
Transporter 2 EPA ID:	CAD980585293
Transporter 2 Emergency Number:	Not reported
TSDF EPA ID:	AZR000520304
TSDF Name:	AA SYDCOL LLC
TSDF Address 1:	2264 E 13TH ST
TSDF Address 2:	Not reported
TSDF City:	YUMA
TSDF Zip:	85365-1858
TSDF Telephone:	Not reported

State:

Year:	2020
EM Manifest ID:	859432
Generator EPA ID:	CAD980814040
Shipment Date:	2019-12-04
Manifest Number:	006375401GBF
Line Number:	1
Method Code:	H141
Quantity Tons:	0.02000
Quantity Waste:	40.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Metal drums, barrels, kegs

DIVISION 1 - ALAMEDA (Continued) **S113002870**

Quantity Type:	Pounds
State Code:	352
Year:	2020
EM Manifest ID:	931258
Shipment Date:	11/9/2019
Receipt Date:	12/3/2019
Manifest Number:	015054859JJK
Generator EPA ID:	CAD980814040
Name:	L.A.C.M.T.A.
Address:	1016 E 6TH ST
Address 2:	Not reported
City:	LOS ANGELES
Zip:	90021-0000
Telephone:	626-961-3326
Contact:	Not reported
Contact Telephone:	213-922-5870
Transporter 1 EPA ID:	CAD072953771
Transporter 1 Emergency Number:	Not reported
Transporter 2 EPA ID:	CAL000224539
Transporter 2 Emergency Number:	Not reported
TSDF EPA ID:	AZR000520304
TSDF Name:	AA SYDCOL LLC
TSDF Address 1:	2264 E 13TH ST
TSDF Address 2:	Not reported
TSDF City:	YUMA
TSDF Zip:	85365-1858
TSDF Telephone:	Not reported

State:

Year:	2020
EM Manifest ID:	931258
Generator EPA ID:	CAD980814040
Shipment Date:	2019-11-09
Manifest Number:	015054859JJK
Line Number:	1
Method Code:	H141
Quantity Tons:	0.34000
Quantity Waste:	100.000000
Quantity Unit:	G
Number of Containers:	2
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Gallons
State Code:	343
Year:	2020
EM Manifest ID:	78b59ae2-83d1-4d08-8421-faefcb6d625b
Shipment Date:	10/20/2020
Receipt Date:	10/23/2020
Manifest Number:	006529231GBF
Generator EPA ID:	CAD980814040
Name:	L.A.C.M.T.A.
Address:	EAST 6TH STREET
Address 2:	Not reported
City:	LOS ANGELES
Zip:	90021-0000

DIVISION 1 - ALAMEDA (Continued) **S113002870**

Telephone:	800-424-9300
Contact:	ROGER W UHDEN
Contact Telephone:	213-922-5848
Transporter 1 EPA ID:	CAL000224539
Transporter 1 Emergency Number:	Not reported
Transporter 2 EPA ID:	CAD980585293
Transporter 2 Emergency Number:	Not reported
TSDF EPA ID:	AZR000520304
TSDF Name:	AA SYDCOL LLC
TSDF Address 1:	2264 E 13TH ST
TSDF Address 2:	Not reported
TSDF City:	YUMA
TSDF Zip:	85365-1858
TSDF Telephone:	Not reported

State:

Year:	2020
EM Manifest ID:	78b59ae2-83d1-4d08-8421-faefcb6d625b
Generator EPA ID:	CAD980814040
Shipment Date:	2020-10-20
Manifest Number:	006529231GBF
Line Number:	1
Method Code:	H141
Quantity Tons:	0.15000
Quantity Waste:	300.000000
Quantity Unit:	P
Number of Containers:	2
Type of Container:	Metal drums, barrels, kegs
Quantity Type:	Pounds
State Code:	352

Year:	2020
EM Manifest ID:	78b59ae2-83d1-4d08-8421-faefcb6d625b
Generator EPA ID:	CAD980814040
Shipment Date:	2020-10-20
Manifest Number:	006529231GBF
Line Number:	2
Method Code:	H141
Quantity Tons:	0.07500
Quantity Waste:	150.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Metal drums, barrels, kegs
Quantity Type:	Pounds
State Code:	352

Year:	2020
EM Manifest ID:	979545
Shipment Date:	1/22/2020
Receipt Date:	1/24/2020
Manifest Number:	006374956GBF
Generator EPA ID:	CAD980814040
Name:	L.A.C.M.T.A.
Address:	1016 E 6TH ST
Address 2:	Not reported
City:	LOS ANGELES
Zip:	90021-0000

DIVISION 1 - ALAMEDA (Continued) **S113002870**

Telephone:	800-424-9300
Contact:	Not reported
Contact Telephone:	213-922-5870
Transporter 1 EPA ID:	CAL000224539
Transporter 1 Emergency Number:	Not reported
Transporter 2 EPA ID:	CAD980595293
Transporter 2 Emergency Number:	Not reported
TSDF EPA ID:	AZR000520304
TSDF Name:	AA SYDCOL LLC
TSDF Address 1:	2264 E 13TH ST
TSDF Address 2:	Not reported
TSDF City:	YUMA
TSDF Zip:	85365-1858
TSDF Telephone:	Not reported

State:

Year:	2020
EM Manifest ID:	979545
Generator EPA ID:	CAD980814040
Shipment Date:	2020-01-22
Manifest Number:	006374956GBF
Line Number:	1
Method Code:	H141
Quantity Tons:	0.50000
Quantity Waste:	1000.000000
Quantity Unit:	P
Number of Containers:	4
Type of Container:	Metal drums, barrels, kegs
Quantity Type:	Pounds
State Code:	352

Year:	2020
EM Manifest ID:	979545
Generator EPA ID:	CAD980814040
Shipment Date:	2020-01-22
Manifest Number:	006374956GBF
Line Number:	2
Method Code:	H141
Quantity Tons:	0.07500
Quantity Waste:	150.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Metal drums, barrels, kegs
Quantity Type:	Pounds
State Code:	352

Detail Two:

Year:	2019
EM Manifest ID:	80ff5aa5-7040-41d6-bb74-1118c49eca3a
Shipment Date:	8/20/2019
Receipt Date:	8/26/2019
Manifest Number:	006207257GBF
Generator EPA ID:	CAD980814040
Name:	L.A.C.M.T.A.
Address:	1016 E 6TH ST
Address 2:	Not reported

DIVISION 1 - ALAMEDA (Continued) **S113002870**

City: LOS ANGELES
Zip: 90021-0000
Telephone: 800-424-9300
Contact: Not reported
Contact Telephone: 213-922-5870
Transporter 1 EPA ID: CAL000224539
Transporter 1 Emergency Number: Not reported
Transporter 2 EPA ID: CAD980585293
Transporter 2 Emergency Number: Not reported
TSDF EPA ID: AZR000520304
TSDF Name: AA SYDCOL LLC
TSDF Address 1: 2264 E 13TH ST
TSDF Address 2: Not reported
TSDF City: YUMA
TSDF Zip: 85365-1858
TSDF Telephone: Not reported

State:
Year: 2019
EM Manifest ID: 80ff5aa5-7040-41d6-bb74-1118c49eca3a
Generator EPA ID: CAD980814040
Shipment Date: 2019-08-20
Manifest Number: 006207257GBF
Line Number: 1
Method Code: H141
Quantity Tons: 0.60000
Quantity Waste: 1200.000000
Quantity Unit: P
Number of Containers: 5
Type of Container: Metal drums, barrels, kegs
Quantity Type: Pounds
State Code: 352

Year: 2019
EM Manifest ID: 80ff5aa5-7040-41d6-bb74-1118c49eca3a
Generator EPA ID: CAD980814040
Shipment Date: 2019-08-20
Manifest Number: 006207257GBF
Line Number: 2
Method Code: H141
Quantity Tons: 0.20000
Quantity Waste: 400.000000
Quantity Unit: P
Number of Containers: 2
Type of Container: Metal drums, barrels, kegs
Quantity Type: Pounds
State Code: 352

Year: 2019
EM Manifest ID: 398107
Shipment Date: 7/31/2018
Receipt Date: 8/9/2018
Manifest Number: 003722078GBF
Generator EPA ID: CAD980814040
Name: L.A.C.M.T.A.
Address: 1016 E 6TH ST
Address 2: Not reported

DIVISION 1 - ALAMEDA (Continued) **S113002870**

City: LOS ANGELES
Zip: 90021-0000
Telephone: 800-424-9300
Contact: Not reported
Contact Telephone: 213-922-5870
Transporter 1 EPA ID: CAL000224539
Transporter 1 Emergency Number: Not reported
Transporter 2 EPA ID: CAD980585293
Transporter 2 Emergency Number: Not reported
TSDF EPA ID: AZR000520304
TSDF Name: AA SYDCOL LLC
TSDF Address 1: 2264 E 13TH ST
TSDF Address 2: Not reported
TSDF City: YUMA
TSDF Zip: 85365-1858
TSDF Telephone: Not reported

State:
Year: 2019
EM Manifest ID: 398107
Generator EPA ID: CAD980814040
Shipment Date: 2018-07-31
Manifest Number: 003722078GBF
Line Number: 1
Method Code: H141
Quantity Tons: 0.15000
Quantity Waste: 300.000000
Quantity Unit: P
Number of Containers: 2
Type of Container: Metal drums, barrels, kegs
Quantity Type: Pounds
State Code: 352

Year: 2019
EM Manifest ID: 693193
Shipment Date: 6/4/2019
Receipt Date: 6/5/2019
Manifest Number: 006206936GBF
Generator EPA ID: CAD980814040
Name: L.A.C.M.T.A.
Address: 1016 E 6TH ST
Address 2: Not reported
City: LOS ANGELES
Zip: 90021-0000
Telephone: 800-424-9300
Contact: Not reported
Contact Telephone: 213-922-5870
Transporter 1 EPA ID: CAL000224539
Transporter 1 Emergency Number: Not reported
Transporter 2 EPA ID: CAD980585293
Transporter 2 Emergency Number: Not reported
TSDF EPA ID: AZR000520304
TSDF Name: AA SYDCOL LLC
TSDF Address 1: 2264 E 13TH ST
TSDF Address 2: Not reported
TSDF City: YUMA
TSDF Zip: 85365-1858

DIVISION 1 - ALAMEDA (Continued) **S113002870**

TSDF Telephone: Not reported

State:

Year: 2019
EM Manifest ID: 693193
Generator EPA ID: CAD980814040
Shipment Date: 2019-06-04
Manifest Number: 006206936GBF
Line Number: 1
Method Code: H141
Quantity Tons: 0.42500
Quantity Waste: 850.000000
Quantity Unit: P
Number of Containers: 5
Type of Container: Metal drums, barrels, kegs
Quantity Type: Pounds
State Code: 352

Year: 2019
EM Manifest ID: 693193
Generator EPA ID: CAD980814040
Shipment Date: 2019-06-04
Manifest Number: 006206936GBF
Line Number: 2
Method Code: H141
Quantity Tons: 0.07500
Quantity Waste: 150.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: Metal drums, barrels, kegs
Quantity Type: Pounds
State Code: 352

Year: 2019
EM Manifest ID: 825963
Shipment Date: 3/13/2019
Receipt Date: 3/23/2019
Manifest Number: 006048953GBF
Generator EPA ID: CAD980814040
Name: L.A.C.M.T.A.
Address: 1016 E 6TH ST
Address 2: Not reported
City: LOS ANGELES
Zip: 90021-0000
Telephone: 800-424-9300
Contact: Not reported
Contact Telephone: 213-922-5870
Transporter 1 EPA ID: CAL000224539
Transporter 1 Emergency Number: Not reported
Transporter 2 EPA ID: CAD980585293
Transporter 2 Emergency Number: Not reported
TSDF EPA ID: AZR000520304
TSDF Name: AA SYDCOL LLC
TSDF Address 1: 2264 E 13TH ST
TSDF Address 2: Not reported
TSDF City: YUMA
TSDF Zip: 85365-1858

DIVISION 1 - ALAMEDA (Continued) **S113002870**

TSDF Telephone: Not reported

State:

Year: 2019
EM Manifest ID: 825963
Generator EPA ID: CAD980814040
Shipment Date: 2019-03-13
Manifest Number: 006048953GBF
Line Number: 1
Method Code: H141
Quantity Tons: 0.40000
Quantity Waste: 800.000000
Quantity Unit: P
Number of Containers: 4
Type of Container: Metal drums, barrels, kegs
Quantity Type: Pounds
State Code: 352

Year: 2019
EM Manifest ID: 825963
Generator EPA ID: CAD980814040
Shipment Date: 2019-03-13
Manifest Number: 006048953GBF
Line Number: 2
Method Code: H141
Quantity Tons: 0.10000
Quantity Waste: 200.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: Metal drums, barrels, kegs
Quantity Type: Pounds
State Code: 352

Year: 2019
EM Manifest ID: 652579
Shipment Date: 12/18/2018
Receipt Date: 12/28/2018
Manifest Number: 006090139GBF
Generator EPA ID: CAD980814040
Name: L.A.C.M.T.A.
Address: 1016 E 6TH ST
Address 2: Not reported
City: LOS ANGELES
Zip: 90021-0000
Telephone: 800-424-9300
Contact: Not reported
Contact Telephone: 213-922-5870
Transporter 1 EPA ID: CAL000224539
Transporter 1 Emergency Number: Not reported
Transporter 2 EPA ID: CAD980585293
Transporter 2 Emergency Number: Not reported
TSDF EPA ID: AZR000520304
TSDF Name: AA SYDCOL LLC
TSDF Address 1: 2264 E 13TH ST
TSDF Address 2: Not reported
TSDF City: YUMA
TSDF Zip: 85365-1858

DIVISION 1 - ALAMEDA (Continued) **S113002870**

TSDF Telephone: Not reported

State:

Year: 2019
EM Manifest ID: 652579
Generator EPA ID: CAD980814040
Shipment Date: 2018-12-18
Manifest Number: 006090139GBF
Line Number: 1
Method Code: H141
Quantity Tons: 0.30000
Quantity Waste: 600.000000
Quantity Unit: P
Number of Containers: 3
Type of Container: Metal drums, barrels, kegs
Quantity Type: Pounds
State Code: 352

Year: 2019
EM Manifest ID: 652579
Generator EPA ID: CAD980814040
Shipment Date: 2018-12-18
Manifest Number: 006090139GBF
Line Number: 2
Method Code: H141
Quantity Tons: 0.10000
Quantity Waste: 200.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: Metal drums, barrels, kegs
Quantity Type: Pounds
State Code: 352

Year: 2019
EM Manifest ID: 671626
Shipment Date: 12/17/2018
Receipt Date: 12/31/2018
Manifest Number: 006090150GBF
Generator EPA ID: CAD980814040
Name: L.A.C.M.T.A.
Address: 1016 E 6TH ST
Address 2: Not reported
City: LOS ANGELES
Zip: 90021-0000
Telephone: 800-424-9300
Contact: Not reported
Contact Telephone: 213-922-5870
Transporter 1 EPA ID: CAL000224539
Transporter 1 Emergency Number: Not reported
Transporter 2 EPA ID: CAD980585293
Transporter 2 Emergency Number: Not reported
TSDF EPA ID: AZR000520304
TSDF Name: AA SYDCOL LLC
TSDF Address 1: 2264 E 13TH ST
TSDF Address 2: Not reported
TSDF City: YUMA
TSDF Zip: 85365-1858

DIVISION 1 - ALAMEDA (Continued) **S113002870**

TSDF Telephone:	Not reported
Year:	2019
EM Manifest ID:	652624
Shipment Date:	11/19/2018
Receipt Date:	12/9/2018
Manifest Number:	006090290GBF
Generator EPA ID:	CAD980814040
Name:	L.A.C.M.T.A.
Address:	1016 E 6TH ST
Address 2:	Not reported
City:	LOS ANGELES
Zip:	90021-0000
Telephone:	800-424-9300
Contact:	Not reported
Contact Telephone:	213-922-5870
Transporter 1 EPA ID:	CAL000224539
Transporter 1 Emergency Number:	Not reported
Transporter 2 EPA ID:	CAD980585293
Transporter 2 Emergency Number:	Not reported
TSDF EPA ID:	AZR000520304
TSDF Name:	AA SYDCOL LLC
TSDF Address 1:	2264 E 13TH ST
TSDF Address 2:	Not reported
TSDF City:	YUMA
TSDF Zip:	85365-1858
TSDF Telephone:	Not reported

State:

Year:	2019
EM Manifest ID:	652624
Generator EPA ID:	CAD980814040
Shipment Date:	2018-11-19
Manifest Number:	006090290GBF
Line Number:	1
Method Code:	H141
Quantity Tons:	0.16800
Quantity Waste:	40.000000
Quantity Unit:	G
Number of Containers:	1
Type of Container:	Portable tanks
Quantity Type:	Gallons
State Code:	134

Year:	2019
EM Manifest ID:	637117
Shipment Date:	10/9/2018
Receipt Date:	10/16/2018
Manifest Number:	003722283GBF
Generator EPA ID:	CAD980814040
Name:	L.A.C.M.T.A.
Address:	1016 E 6TH ST
Address 2:	Not reported
City:	LOS ANGELES
Zip:	90021-0000
Telephone:	800-424-9300
Contact:	Not reported

DIVISION 1 - ALAMEDA (Continued) **S113002870**

Contact Telephone:	213-922-5870
Transporter 1 EPA ID:	CAL000224539
Transporter 1 Emergency Number:	Not reported
Transporter 2 EPA ID:	CAD980585293
Transporter 2 Emergency Number:	Not reported
TSDF EPA ID:	AZR000520304
TSDF Name:	AA SYDCOL LLC
TSDF Address 1:	2264 E 13TH ST
TSDF Address 2:	Not reported
TSDF City:	YUMA
TSDF Zip:	85365-1858
TSDF Telephone:	Not reported

State:

Year:	2019
EM Manifest ID:	637117
Generator EPA ID:	CAD980814040
Shipment Date:	2018-10-09
Manifest Number:	003722283GBF
Line Number:	1
Method Code:	H141
Quantity Tons:	0.20000
Quantity Waste:	400.000000
Quantity Unit:	P
Number of Containers:	2
Type of Container:	Metal drums, barrels, kegs
Quantity Type:	Pounds
State Code:	352

Year:	2019
EM Manifest ID:	737347
Shipment Date:	10/29/2019
Receipt Date:	10/29/2019
Manifest Number:	006375215GBF
Generator EPA ID:	CAD980814040
Name:	L.A.C.M.T.A.
Address:	1016 E 6TH ST
Address 2:	Not reported
City:	LOS ANGELES
Zip:	90021-0000
Telephone:	800-424-9300
Contact:	Not reported
Contact Telephone:	213-922-5870
Transporter 1 EPA ID:	CAL000224539
Transporter 1 Emergency Number:	Not reported
Transporter 2 EPA ID:	CAD980595293
Transporter 2 Emergency Number:	Not reported
TSDF EPA ID:	AZR000520304
TSDF Name:	AA SYDCOL LLC
TSDF Address 1:	2264 E 13TH ST
TSDF Address 2:	Not reported
TSDF City:	YUMA
TSDF Zip:	85365-1858
TSDF Telephone:	Not reported

State:

Year:	2019

DIVISION 1 - ALAMEDA (Continued) **S113002870**

EM Manifest ID:	737347
Generator EPA ID:	CAD980814040
Shipment Date:	2019-10-29
Manifest Number:	006375215GBF
Line Number:	1
Method Code:	H141
Quantity Tons:	0.22500
Quantity Waste:	450.000000
Quantity Unit:	P
Number of Containers:	3
Type of Container:	Metal drums, barrels, kegs
Quantity Type:	Pounds
State Code:	352

Year:	2019
EM Manifest ID:	737347
Generator EPA ID:	CAD980814040
Shipment Date:	2019-10-29
Manifest Number:	006375215GBF
Line Number:	2
Method Code:	H141
Quantity Tons:	0.07500
Quantity Waste:	150.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Metal drums, barrels, kegs
Quantity Type:	Pounds
State Code:	352

Detail Two:

Year:	2018
EM Manifest ID:	003521938GBF20170927_D_1
Shipment Date:	9/27/2017
Receipt Date:	10/12/2017
Manifest Number:	003521938GBF
Generator EPA ID:	CAD980814040
Name:	LACMTA - DIV 1 (JAMES JIMENEZ)
Address:	Not reported
Address 2:	Not reported
City:	Not reported
Zip:	Not reported
Telephone:	Not reported
Contact:	Not reported
Contact Telephone:	Not reported
Transporter 1 EPA ID:	CAL000224539
Transporter 1 Emergency Number:	Not reported
Transporter 2 EPA ID:	CAD980585293
Transporter 2 Emergency Number:	Not reported
TSDF EPA ID:	AZR000501510
TSDF Name:	AA SYDCOL
TSDF Address 1:	Not reported
TSDF Address 2:	Not reported
TSDF City:	Not reported
TSDF Zip:	Not reported
TSDF Telephone:	Not reported

DIVISION 1 - ALAMEDA (Continued) **S113002870**

State:

Year:	2018
EM Manifest ID:	003521938GBF20170927_D_1
Generator EPA ID:	CAD980814040
Shipment Date:	2017-09-27
Manifest Number:	003521938GBF
Line Number:	1
Method Code:	H141
Quantity Tons:	0.27300
Quantity Waste:	65.000000
Quantity Unit:	G
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
State Code:	134

Year:	2018
EM Manifest ID:	003420532GBF20170803_D_1
Shipment Date:	8/3/2017
Receipt Date:	8/19/2017
Manifest Number:	003420532GBF
Generator EPA ID:	CAD980814040
Name:	LACMTA - DIV 1 (JAMES JIMINEZ)
Address:	Not reported
Address 2:	Not reported
City:	Not reported
Zip:	Not reported
Telephone:	Not reported
Contact:	Not reported
Contact Telephone:	Not reported
Transporter 1 EPA ID:	CAL000224539
Transporter 1 Emergency Number:	Not reported
Transporter 2 EPA ID:	CAD980585293
Transporter 2 Emergency Number:	Not reported
TSDF EPA ID:	AZR000501510
TSDF Name:	AA SYDCOL
TSDF Address 1:	Not reported
TSDF Address 2:	Not reported
TSDF City:	Not reported
TSDF Zip:	Not reported
TSDF Telephone:	Not reported

State:

Year:	2018
EM Manifest ID:	003420532GBF20170803_D_1
Generator EPA ID:	CAD980814040
Shipment Date:	2017-08-03
Manifest Number:	003420532GBF
Line Number:	1
Method Code:	H141
Quantity Tons:	0.23100
Quantity Waste:	55.000000
Quantity Unit:	G
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL

DIVISION 1 - ALAMEDA (Continued) **S113002870**

State Code: 134

Year: 2018
EM Manifest ID: 003521824GBF20170829_D_1
Shipment Date: 8/29/2017
Receipt Date: 9/15/2017
Manifest Number: 003521824GBF
Generator EPA ID: CAD980814040
Name: LACMTA - DIV 1 (JAMES JIMINEZ)
Address: Not reported
Address 2: Not reported
City: Not reported
Zip: Not reported
Telephone: Not reported
Contact: Not reported
Contact Telephone: Not reported
Transporter 1 EPA ID: CAL000224539
Transporter 1 Emergency Number: Not reported
Transporter 2 EPA ID: CAD980585293
Transporter 2 Emergency Number: Not reported
TSDF EPA ID: AZR000501510
TSDF Name: AA SYDCOL
TSDF Address 1: Not reported
TSDF Address 2: Not reported
TSDF City: Not reported
TSDF Zip: Not reported
TSDF Telephone: Not reported

State:
Year: 2018
EM Manifest ID: 003521824GBF20170829_D_1
Generator EPA ID: CAD980814040
Shipment Date: 2017-08-29
Manifest Number: 003521824GBF
Line Number: 1
Method Code: H141
Quantity Tons: 0.16800
Quantity Waste: 40.000000
Quantity Unit: G
Number of Containers: 1
Type of Container: NULL
Quantity Type: NULL
State Code: 134

Year: 2018
EM Manifest ID: 003521774GBF20170815_D_1
Shipment Date: 8/15/2017
Receipt Date: 8/22/2017
Manifest Number: 003521774GBF
Generator EPA ID: CAD980814040
Name: LACMTA - DIV 1 (JAMES JIMENEZ)
Address: Not reported
Address 2: Not reported
City: Not reported
Zip: Not reported
Telephone: Not reported

DIVISION 1 - ALAMEDA (Continued) **S113002870**

Contact:	Not reported
Contact Telephone:	Not reported
Transporter 1 EPA ID:	CAL000224539
Transporter 1 Emergency Number:	Not reported
Transporter 2 EPA ID:	CAD980585293
Transporter 2 Emergency Number:	Not reported
TSDF EPA ID:	AZR000501510
TSDF Name:	AA SYDCOL
TSDF Address 1:	Not reported
TSDF Address 2:	Not reported
TSDF City:	Not reported
TSDF Zip:	Not reported
TSDF Telephone:	Not reported

State:

Year:	2018
EM Manifest ID:	003521774GBF20170815_D_1
Generator EPA ID:	CAD980814040
Shipment Date:	2017-08-15
Manifest Number:	003521774GBF
Line Number:	1
Method Code:	H141
Quantity Tons:	0.30000
Quantity Waste:	600.000000
Quantity Unit:	P
Number of Containers:	3
Type of Container:	NULL
Quantity Type:	NULL
State Code:	352

Year:	2018
EM Manifest ID:	003521774GBF20170815_D_1
Generator EPA ID:	CAD980814040
Shipment Date:	2017-08-15
Manifest Number:	003521774GBF
Line Number:	2
Method Code:	H141
Quantity Tons:	0.10000
Quantity Waste:	200.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
State Code:	352

Year:	2018
EM Manifest ID:	003420451GBF20170706_D_1
Shipment Date:	7/6/2017
Receipt Date:	7/19/2017
Manifest Number:	003420451GBF
Generator EPA ID:	CAD980814040
Name:	LACMTA - DIV 1 (JAMES JIMINEZ)
Address:	Not reported
Address 2:	Not reported
City:	Not reported
Zip:	Not reported
Telephone:	Not reported

DIVISION 1 - ALAMEDA (Continued) **S113002870**

Contact:	Not reported
Contact Telephone:	Not reported
Transporter 1 EPA ID:	CAL000224539
Transporter 1 Emergency Number:	Not reported
Transporter 2 EPA ID:	CAD980585293
Transporter 2 Emergency Number:	Not reported
TSDF EPA ID:	AZR000501510
TSDF Name:	AA SYDCOL
TSDF Address 1:	Not reported
TSDF Address 2:	Not reported
TSDF City:	Not reported
TSDF Zip:	Not reported
TSDF Telephone:	Not reported

State:

Year:	2018
EM Manifest ID:	003420451GBF20170706_D_1
Generator EPA ID:	CAD980814040
Shipment Date:	2017-07-06
Manifest Number:	003420451GBF
Line Number:	1
Method Code:	H141
Quantity Tons:	0.14700
Quantity Waste:	35.000000
Quantity Unit:	G
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
State Code:	134

Year:	2018
EM Manifest ID:	003420356GBF20170608_D_1
Shipment Date:	6/8/2017
Receipt Date:	6/22/2017
Manifest Number:	003420356GBF
Generator EPA ID:	CAD980814040
Name:	LACMTA - DIV 1 (JAMES JIMINEZ)
Address:	Not reported
Address 2:	Not reported
City:	Not reported
Zip:	Not reported
Telephone:	Not reported
Contact:	Not reported
Contact Telephone:	Not reported
Transporter 1 EPA ID:	CAL000224539
Transporter 1 Emergency Number:	Not reported
Transporter 2 EPA ID:	CAD980585293
Transporter 2 Emergency Number:	Not reported
TSDF EPA ID:	AZR000501510
TSDF Name:	AA SYDCOL
TSDF Address 1:	Not reported
TSDF Address 2:	Not reported
TSDF City:	Not reported
TSDF Zip:	Not reported
TSDF Telephone:	Not reported

State:

DIVISION 1 - ALAMEDA (Continued) **S113002870**

Year:	2018
EM Manifest ID:	003420356GBF20170608_D_1
Generator EPA ID:	CAD980814040
Shipment Date:	2017-06-08
Manifest Number:	003420356GBF
Line Number:	1
Method Code:	H141
Quantity Tons:	0.21000
Quantity Waste:	50.000000
Quantity Unit:	G
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
State Code:	134

Year:	2018
EM Manifest ID:	003722468GBF20180606_D_1
Shipment Date:	6/6/2018
Receipt Date:	6/7/2018
Manifest Number:	003722468GBF
Generator EPA ID:	CAD980814040
Name:	LACMTA - DIV 1 (JAMES JIMENEZ)
Address:	Not reported
Address 2:	Not reported
City:	Not reported
Zip:	Not reported
Telephone:	Not reported
Contact:	Not reported
Contact Telephone:	Not reported
Transporter 1 EPA ID:	CAL000224539
Transporter 1 Emergency Number:	Not reported
Transporter 2 EPA ID:	CAD980585293
Transporter 2 Emergency Number:	Not reported
TSDF EPA ID:	AZR000520304
TSDF Name:	AA SYDCOL
TSDF Address 1:	Not reported
TSDF Address 2:	Not reported
TSDF City:	Not reported
TSDF Zip:	Not reported
TSDF Telephone:	Not reported

State:

Year:	2018
EM Manifest ID:	003722468GBF20180606_D_1
Generator EPA ID:	CAD980814040
Shipment Date:	2018-06-06
Manifest Number:	003722468GBF
Line Number:	1
Method Code:	H141
Quantity Tons:	0.30000
Quantity Waste:	600.000000
Quantity Unit:	P
Number of Containers:	4
Type of Container:	NULL
Quantity Type:	NULL
State Code:	352

DIVISION 1 - ALAMEDA (Continued) **S113002870**

Year:	2018
EM Manifest ID:	003722468GBF20180606_D_1
Generator EPA ID:	CAD980814040
Shipment Date:	2018-06-06
Manifest Number:	003722468GBF
Line Number:	2
Method Code:	H141
Quantity Tons:	0.10000
Quantity Waste:	200.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
State Code:	352

Year:	2018
EM Manifest ID:	003420323GBF20170606_D_1
Shipment Date:	6/6/2017
Receipt Date:	6/14/2017
Manifest Number:	003420323GBF
Generator EPA ID:	CAD980814040
Name:	LACMTA - DIV 1 (JAMES JIMINEZ)
Address:	Not reported
Address 2:	Not reported
City:	Not reported
Zip:	Not reported
Telephone:	Not reported
Contact:	Not reported
Contact Telephone:	Not reported
Transporter 1 EPA ID:	CAL000224539
Transporter 1 Emergency Number:	Not reported
Transporter 2 EPA ID:	CAD980585293
Transporter 2 Emergency Number:	Not reported
TSDF EPA ID:	AZR000501510
TSDF Name:	AA SYDCOL
TSDF Address 1:	Not reported
TSDF Address 2:	Not reported
TSDF City:	Not reported
TSDF Zip:	Not reported
TSDF Telephone:	Not reported

State:

Year:	2018
EM Manifest ID:	003420323GBF20170606_D_1
Generator EPA ID:	CAD980814040
Shipment Date:	2017-06-06
Manifest Number:	003420323GBF
Line Number:	1
Method Code:	H141
Quantity Tons:	0.10000
Quantity Waste:	200.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
State Code:	352

DIVISION 1 - ALAMEDA (Continued) **S113002870**

Year:	2018
EM Manifest ID:	003420323GBF20170606_D_1
Generator EPA ID:	CAD980814040
Shipment Date:	2017-06-06
Manifest Number:	003420323GBF
Line Number:	2
Method Code:	H141
Quantity Tons:	0.05000
Quantity Waste:	100.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
State Code:	352

Year:	2018
EM Manifest ID:	003420323GBF20170606_D_1
Generator EPA ID:	CAD980814040
Shipment Date:	2017-06-06
Manifest Number:	003420323GBF
Line Number:	3
Method Code:	H141
Quantity Tons:	0.18150
Quantity Waste:	55.000000
Quantity Unit:	G
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
State Code:	331

Year:	2018
EM Manifest ID:	003722473GBF20180605_D_1
Shipment Date:	6/5/2018
Receipt Date:	6/13/2018
Manifest Number:	003722473GBF
Generator EPA ID:	CAD980814040
Name:	L A C M T A - DIV 1 (JAMES JIMINEZ)
Address:	Not reported
Address 2:	Not reported
City:	Not reported
Zip:	Not reported
Telephone:	Not reported
Contact:	Not reported
Contact Telephone:	Not reported
Transporter 1 EPA ID:	CAL000224539
Transporter 1 Emergency Number:	Not reported
Transporter 2 EPA ID:	CAD980585293
Transporter 2 Emergency Number:	Not reported
TSDF EPA ID:	AZR000520304
TSDF Name:	AA SYDCOL
TSDF Address 1:	Not reported
TSDF Address 2:	Not reported
TSDF City:	Not reported
TSDF Zip:	Not reported
TSDF Telephone:	Not reported

DIVISION 1 - ALAMEDA (Continued) **S113002870**

State:

Year:	2018
EM Manifest ID:	003722473GBF20180605_D_1
Generator EPA ID:	CAD980814040
Shipment Date:	2018-06-05
Manifest Number:	003722473GBF
Line Number:	1
Method Code:	H141
Quantity Tons:	0.21000
Quantity Waste:	50.000000
Quantity Unit:	G
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
State Code:	134

Year:	2018
EM Manifest ID:	003420252GBF20170511_D_1
Shipment Date:	5/11/2017
Receipt Date:	5/18/2017
Manifest Number:	003420252GBF
Generator EPA ID:	CAD980814040
Name:	LACMTA - DIV 1 (JAMES JIMINEZ)
Address:	Not reported
Address 2:	Not reported
City:	Not reported
Zip:	Not reported
Telephone:	Not reported
Contact:	Not reported
Contact Telephone:	Not reported
Transporter 1 EPA ID:	CAL000224539
Transporter 1 Emergency Number:	Not reported
Transporter 2 EPA ID:	CAD980585293
Transporter 2 Emergency Number:	Not reported
TSDF EPA ID:	AZR000501510
TSDF Name:	AA SYDCOL
TSDF Address 1:	Not reported
TSDF Address 2:	Not reported
TSDF City:	Not reported
TSDF Zip:	Not reported
TSDF Telephone:	Not reported

State:

Year:	2018
EM Manifest ID:	003420252GBF20170511_D_1
Generator EPA ID:	CAD980814040
Shipment Date:	2017-05-11
Manifest Number:	003420252GBF
Line Number:	1
Method Code:	H141
Quantity Tons:	0.16800
Quantity Waste:	40.000000
Quantity Unit:	G
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL

DIVISION 1 - ALAMEDA (Continued) **S113002870**

State Code: 134

Additional Info:

Year:	2017
Gen EPA ID:	CAD980814040
Shipment Date:	20171227
Creation Date:	8/3/2018 18:30:42
Receipt Date:	20171227
Manifest ID:	017748116JJK
Trans EPA ID:	CAD028277036
Trans Name:	ASBURY ENVIRONMENTAL SERVICES
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	DEMENNO / KERDOON
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	133 - Aqueous solution with 10% or more total organic residues
RCRA Code:	Not reported
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	0.6255
Waste Quantity:	150
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20171220
Creation Date:	10/16/2018 18:31:31
Receipt Date:	20180103
Manifest ID:	003522217GBF
Trans EPA ID:	CAL000224539
Trans Name:	FRS ENVIRONMENTAL INC
Trans 2 EPA ID:	CAD980585293
Trans 2 Name:	INDUSTRIAL WASTE UTILIZATION
TSDF EPA ID:	AZR000501510
Trans Name:	AA SYDCOL
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.21
Waste Quantity:	50
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

DIVISION 1 - ALAMEDA (Continued) **S113002870**

Shipment Date:	20171202
Creation Date:	6/13/2018 18:31:03
Receipt Date:	20171204
Manifest ID:	017731946JJK
Trans EPA ID:	CAD028277036
Trans Name:	ASBURY ENVIRONMENTAL SERVICES
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	DEMENNO / KERDOON
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	133 - Aqueous solution with 10% or more total organic residues
RCRA Code:	Not reported
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	0.417
Waste Quantity:	100
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20171121
Creation Date:	10/18/2018 18:30:14
Receipt Date:	20171213
Manifest ID:	003522112GBF
Trans EPA ID:	CAL000224539
Trans Name:	FRS ENVIRONMENTAL INC
Trans 2 EPA ID:	CAD980585293
Trans 2 Name:	INDUSTRIAL WASTE UTILIZATION
TSDF EPA ID:	AZR000501510
Trans Name:	AA SYDCOL
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.231
Waste Quantity:	55
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20171121
Creation Date:	6/13/2018 18:30:46
Receipt Date:	20171121
Manifest ID:	013118826JJK
Trans EPA ID:	CAR000168229
Trans Name:	HAZARDOUS TECHNOLOGIES INC
Trans 2 EPA ID:	Not reported

DIVISION 1 - ALAMEDA (Continued) **S113002870**

Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	DEMENNO/KERDOON
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	222 - Oil/water separation sludge
RCRA Code:	Not reported
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	7.089
Waste Quantity:	1700
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20171031
Creation Date:	7/12/2018 18:30:29
Receipt Date:	20171101
Manifest ID:	003522038GBF
Trans EPA ID:	CAL000224539
Trans Name:	FRS ENVIRONMENTAL INC
Trans 2 EPA ID:	CAD980585293
Trans 2 Name:	INDUSTRIAL WASTE UTILIZATION
TSDF EPA ID:	AZR000501510
Trans Name:	AA SYDCOL
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.65
Waste Quantity:	1300
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20171030
Creation Date:	6/13/2018 18:30:34
Receipt Date:	20171030
Manifest ID:	013118755JJK
Trans EPA ID:	CAR000168229
Trans Name:	HAZARDOUS TECHNOLOGIES INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	DEMENNO/KERDOON
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	222 - Oil/water separation sludge
RCRA Code:	Not reported

DIVISION 1 - ALAMEDA (Continued) **S113002870**

Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	12.51
Waste Quantity:	3000
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20171024
Creation Date:	7/16/2018 18:31:15
Receipt Date:	20171109
Manifest ID:	003522012GBF
Trans EPA ID:	CAL000224539
Trans Name:	FRS ENVIRONMENTAL INC
Trans 2 EPA ID:	CAD980585293
Trans 2 Name:	INDUSTRIAL WASTE UTILIZATION
TSDF EPA ID:	AZR000501510
Trans Name:	AA SYDCOL
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.21
Waste Quantity:	50
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20171017
Creation Date:	6/13/2018 18:30:46
Receipt Date:	20171017
Manifest ID:	017727160JJK
Trans EPA ID:	CAD028277036
Trans Name:	ASBURY ENVIRONMENTAL SERVICES
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	DEMENNO / KERDOON
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	133 - Aqueous solution with 10% or more total organic residues
RCRA Code:	Not reported
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	0.417
Waste Quantity:	100
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported

DIVISION 1 - ALAMEDA (Continued) **S113002870**

Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20170927
Creation Date:	11/8/2018 18:30:45
Receipt Date:	20171012
Manifest ID:	003521938GBF
Trans EPA ID:	CAL000224539
Trans Name:	FRS ENVIRONMENTAL INC
Trans 2 EPA ID:	CAD980585293
Trans 2 Name:	INDUSTRIAL WASTE UTILIZATION
TSDF EPA ID:	AZR000501510
Trans Name:	AA SYDCOL
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Recovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.273
Waste Quantity:	65
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2016
Gen EPA ID:	CAD980814040
Shipment Date:	20151231
Creation Date:	3/4/2016 22:15:32
Receipt Date:	20151231
Manifest ID:	015161546JJK
Trans EPA ID:	CAD028277036
Trans Name:	ASBURY ENVIRONMENTAL SERVICES
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	DEMENNO / KERDOON
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	133 - Aqueous solution with 10% or more total organic residues
RCRA Code:	Not reported
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	0.5838
Waste Quantity:	140
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

DIVISION 1 - ALAMEDA (Continued) **S113002870**

Shipment Date:	20151222
Creation Date:	3/3/2016 22:15:11
Receipt Date:	20151222
Manifest ID:	013116358JJK
Trans EPA ID:	CAR000168229
Trans Name:	HAZARDOUS TECHNOLOGIES INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	DEMENNO/KERDOON
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	222 - Oil/water separation sludge
RCRA Code:	Not reported
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	11.259
Waste Quantity:	2700
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20151218
Creation Date:	3/3/2016 22:15:11
Receipt Date:	20151218
Manifest ID:	015236130JJK
Trans EPA ID:	CAD028277036
Trans Name:	ASBURY ENVIRONMENTAL SERVICES
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	DEMENNO / KERDOON
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	133 - Aqueous solution with 10% or more total organic residues
RCRA Code:	Not reported
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	0.834
Waste Quantity:	200
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20151216
Creation Date:	9/30/2016 18:31:31
Receipt Date:	20151229
Manifest ID:	002737061GBF
Trans EPA ID:	CAL000224539
Trans Name:	FRS ENVIRONMENTAL INC
Trans 2 EPA ID:	CAD980585293

DIVISION 1 - ALAMEDA (Continued) **S113002870**

Trans 2 Name:	INDUSTRIAL WASTE UTILIZATION
TSDF EPA ID:	AZR000501510
Trans Name:	AA SYDCOL
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.189
Waste Quantity:	45
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20151201
Creation Date:	2/8/2016 22:17:27
Receipt Date:	20151201
Manifest ID:	015163693JJK
Trans EPA ID:	CAD028277036
Trans Name:	ASBURY ENVIRONMENTAL SERVICES
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	DEMENNO / KERDOON
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	133 - Aqueous solution with 10% or more total organic residues
RCRA Code:	Not reported
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	1.4595
Waste Quantity:	350
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20151113
Creation Date:	1/21/2016 22:15:47
Receipt Date:	20151113
Manifest ID:	013116274JJK
Trans EPA ID:	CAR000168229
Trans Name:	HAZARDOUS TECHNOLOGIES INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	DEMENNO/KERDOON
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	222 - Oil/water separation sludge
RCRA Code:	Not reported

DIVISION 1 - ALAMEDA (Continued) **S113002870**

Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	17.514
Waste Quantity:	4200
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20151106
Creation Date:	5/23/2016 18:30:23
Receipt Date:	20151116
Manifest ID:	015014066JJK
Trans EPA ID:	CAD072953771
Trans Name:	UNITED PUMPING SERVICE INC
Trans 2 EPA ID:	CAD980585293
Trans 2 Name:	INDUSTRIAL WASTE UTILIZATION
TSDF EPA ID:	AZR000501510
Trans Name:	AA SYDCOL LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.15
Waste Quantity:	300
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20151106
Creation Date:	5/23/2016 18:30:23
Receipt Date:	20151116
Manifest ID:	015014066JJK
Trans EPA ID:	CAD072953771
Trans Name:	UNITED PUMPING SERVICE INC
Trans 2 EPA ID:	CAD980585293
Trans 2 Name:	INDUSTRIAL WASTE UTILIZATION
TSDF EPA ID:	AZR000501510
Trans Name:	AA SYDCOL LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.1
Waste Quantity:	200
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported

DIVISION 1 - ALAMEDA (Continued) **S113002870**

Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20151028
Creation Date:	1/11/2016 22:16:05
Receipt Date:	20151028
Manifest ID:	013116236JJK
Trans EPA ID:	CAR000168229
Trans Name:	HAZARDOUS TECHNOLOGIES INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	DEMENNO/KERDOON
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	222 - Oil/water separation sludge
RCRA Code:	Not reported
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	18.765
Waste Quantity:	4500
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20151022
Creation Date:	7/14/2016 18:31:06
Receipt Date:	20151123
Manifest ID:	002736625GBF
Trans EPA ID:	CAL000224539
Trans Name:	FRS ENVIRONMENTAL INC
Trans 2 EPA ID:	CAD980585293
Trans 2 Name:	INDUSTRIAL WASTE UTILIZATION
TSDF EPA ID:	AZR000501510
Trans Name:	AA SYDCOL
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.273
Waste Quantity:	65
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2015
Gen EPA ID:	CAD980814040

DIVISION 1 - ALAMEDA (Continued) **S113002870**

Shipment Date:	20151231
Creation Date:	3/4/2016 22:15:32
Receipt Date:	20151231
Manifest ID:	015161546JJK
Trans EPA ID:	CAD028277036
Trans Name:	ASBURY ENVIRONMENTAL SERVICES
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	DEMENNO / KERDOON
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	133 - Aqueous solution with 10% or more total organic residues
RCRA Code:	Not reported
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	0.5838
Waste Quantity:	140
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20151222
Creation Date:	3/3/2016 22:15:11
Receipt Date:	20151222
Manifest ID:	013116358JJK
Trans EPA ID:	CAR000168229
Trans Name:	HAZARDOUS TECHNOLOGIES INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	DEMENNO/KERDOON
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	222 - Oil/water separation sludge
RCRA Code:	Not reported
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	11.259
Waste Quantity:	2700
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20151218
Creation Date:	3/3/2016 22:15:11
Receipt Date:	20151218
Manifest ID:	015236130JJK
Trans EPA ID:	CAD028277036
Trans Name:	ASBURY ENVIRONMENTAL SERVICES
Trans 2 EPA ID:	Not reported

DIVISION 1 - ALAMEDA (Continued) **S113002870**

Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	DEMENNO / KERDOON
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	133 - Aqueous solution with 10% or more total organic residues
RCRA Code:	Not reported
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	0.834
Waste Quantity:	200
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20151216
Creation Date:	9/30/2016 18:31:31
Receipt Date:	20151229
Manifest ID:	002737061GBF
Trans EPA ID:	CAL000224539
Trans Name:	FRS ENVIRONMENTAL INC
Trans 2 EPA ID:	CAD980585293
Trans 2 Name:	INDUSTRIAL WASTE UTILIZATION
TSDF EPA ID:	AZR000501510
Trans Name:	AA SYDCOL
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.189
Waste Quantity:	45
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20151201
Creation Date:	2/8/2016 22:17:27
Receipt Date:	20151201
Manifest ID:	015163693JJK
Trans EPA ID:	CAD028277036
Trans Name:	ASBURY ENVIRONMENTAL SERVICES
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	DEMENNO / KERDOON
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	133 - Aqueous solution with 10% or more total organic residues
RCRA Code:	Not reported

DIVISION 1 - ALAMEDA (Continued) **S113002870**

Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	1.4595
Waste Quantity:	350
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20151113
Creation Date:	1/21/2016 22:15:47
Receipt Date:	20151113
Manifest ID:	013116274JJK
Trans EPA ID:	CAR000168229
Trans Name:	HAZARDOUS TECHNOLOGIES INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	DEMENNO/KERDOON
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	222 - Oil/water separation sludge
RCRA Code:	Not reported
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	17.514
Waste Quantity:	4200
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20151106
Creation Date:	5/23/2016 18:30:23
Receipt Date:	20151116
Manifest ID:	015014066JJK
Trans EPA ID:	CAD072953771
Trans Name:	UNITED PUMPING SERVICE INC
Trans 2 EPA ID:	CAD980585293
Trans 2 Name:	INDUSTRIAL WASTE UTILIZATION
TSDF EPA ID:	AZR000501510
Trans Name:	AA SYDCOL LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Recovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.1
Waste Quantity:	200
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported

DIVISION 1 - ALAMEDA (Continued) **S113002870**

Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20151106
Creation Date:	5/23/2016 18:30:23
Receipt Date:	20151116
Manifest ID:	015014066JJK
Trans EPA ID:	CAD072953771
Trans Name:	UNITED PUMPING SERVICE INC
Trans 2 EPA ID:	CAD980585293
Trans 2 Name:	INDUSTRIAL WASTE UTILIZATION
TSDF EPA ID:	AZR000501510
Trans Name:	AA SYDCOL LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Recovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.15
Waste Quantity:	300
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20151028
Creation Date:	1/11/2016 22:16:05
Receipt Date:	20151028
Manifest ID:	013116236JJK
Trans EPA ID:	CAR000168229
Trans Name:	HAZARDOUS TECHNOLOGIES INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	DEMENNO/KERDOON
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	222 - Oil/water separation sludge
RCRA Code:	Not reported
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	18.765
Waste Quantity:	4500
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20151022
Creation Date:	7/14/2016 18:31:06
Receipt Date:	20151123

DIVISION 1 - ALAMEDA (Continued) **S113002870**

Manifest ID:	002736625GBF
Trans EPA ID:	CAL000224539
Trans Name:	FRS ENVIRONMENTAL INC
Trans 2 EPA ID:	CAD980585293
Trans 2 Name:	INDUSTRIAL WASTE UTILIZATION
TSDF EPA ID:	AZR000501510
Trans Name:	AA SYDCOL
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.273
Waste Quantity:	65
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2014
Gen EPA ID:	CAD980814040
Shipment Date:	20141230
Creation Date:	1/27/2016 22:15:12
Receipt Date:	Not reported
Manifest ID:	002714527GBF
Trans EPA ID:	CAD983615501
Trans Name:	PACIFIC OIL COMPANY
Trans 2 EPA ID:	AZR000515536
Trans 2 Name:	BE LOGISTICS LLC
TSDF EPA ID:	AZR000509950
Trans Name:	BOTAVIA ENERGY
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Meth Code:	- Not reported
Quantity Tons:	9.5
Waste Quantity:	2500
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20141230
Creation Date:	3/20/2015 22:14:48
Receipt Date:	20141230
Manifest ID:	013748105JJK
Trans EPA ID:	CAD028277036
Trans Name:	ASBURY ENVIRONMENTAL SERVICES
Trans 2 EPA ID:	Not reported

DIVISION 1 - ALAMEDA (Continued) **S113002870**

Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	DEMENNO / KERDOON
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	133 - Aqueous solution with 10% or more total organic residues
RCRA Code:	Not reported
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	1.4595
Waste Quantity:	350
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20141216
Creation Date:	3/3/2015 22:14:59
Receipt Date:	20141216
Manifest ID:	013747280JJK
Trans EPA ID:	CAD028277036
Trans Name:	ASBURY ENVIRONMENTAL SERVICES
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	DEMENNO / KERDOON
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	133 - Aqueous solution with 10% or more total organic residues
RCRA Code:	Not reported
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	1.668
Waste Quantity:	400
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20141211
Creation Date:	4/9/2015 22:15:05
Receipt Date:	20141218
Manifest ID:	012240969JJK
Trans EPA ID:	CAD072953771
Trans Name:	UNITED PUMPING SERVICE INC
Trans 2 EPA ID:	CAD980585293
Trans 2 Name:	INDUSTRIAL WASTE UTILIZATION INC
TSDF EPA ID:	AZR000501510
Trans Name:	AA SYDCOL LLC DBA SYDCOL
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported

DIVISION 1 - ALAMEDA (Continued) **S113002870**

Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.05
Waste Quantity:	100
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20141211
Creation Date:	4/9/2015 22:15:05
Receipt Date:	20141218
Manifest ID:	012240969JJK
Trans EPA ID:	CAD072953771
Trans Name:	UNITED PUMPING SERVICE INC
Trans 2 EPA ID:	CAD980585293
Trans 2 Name:	INDUSTRIAL WASTE UTILIZATION INC
TSDF EPA ID:	AZR000501510
Trans Name:	AA SYDCOL LLC DBA SYDCOL
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.2
Waste Quantity:	400
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20141201
Creation Date:	2/13/2015 22:15:23
Receipt Date:	20141202
Manifest ID:	013754892JJK
Trans EPA ID:	CAD028277036
Trans Name:	ASBURY ENVIRONMENTAL SERVICES
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	DEMENNO / KERDOON
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	133 - Aqueous solution with 10% or more total organic residues
RCRA Code:	Not reported
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	1.3761
Waste Quantity:	330
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported

DIVISION 1 - ALAMEDA (Continued) **S113002870**

Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20141120
Creation Date:	1/26/2015 22:15:24
Receipt Date:	20141120
Manifest ID:	013755803JJK
Trans EPA ID:	CAD028277036
Trans Name:	ASBURY ENVIRONMENTAL SERVICES
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	DEMENNO / KERDOON
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	133 - Aqueous solution with 10% or more total organic residues
RCRA Code:	Not reported
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	1.4595
Waste Quantity:	350
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20141119
Creation Date:	1/26/2015 22:15:24
Receipt Date:	20141119
Manifest ID:	013108981JJK
Trans EPA ID:	CAR000168229
Trans Name:	HAZARDOUS TECHNOLOGIES INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	DEMENNO/KERDOON
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	222 - Oil/water separation sludge
RCRA Code:	Not reported
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	14.595
Waste Quantity:	3500
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20141113
Creation Date:	1/15/2015 22:14:55
Receipt Date:	20141113

DIVISION 1 - ALAMEDA (Continued) **S113002870**

Manifest ID:	013108965JJK
Trans EPA ID:	CAR000168229
Trans Name:	HAZARDOUS TECHNOLOGIES INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	DEMENNO/KERDOON
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	222 - Oil/water separation sludge
RCRA Code:	Not reported
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	12.51
Waste Quantity:	3000
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20141111
Creation Date:	4/9/2015 22:15:05
Receipt Date:	20141208
Manifest ID:	002506538GBF
Trans EPA ID:	CAL000224539
Trans Name:	FRS ENVIRONMENTAL INC
Trans 2 EPA ID:	CAD980585293
Trans 2 Name:	INDUSTRIAL WASTE UTILIZATION
TSDF EPA ID:	AZR000501510
Trans Name:	AA SYDCOL
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.21
Waste Quantity:	50
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2013
Gen EPA ID:	CAD980814040
Shipment Date:	20131230
Creation Date:	3/1/2014 22:15:07
Receipt Date:	20131230
Manifest ID:	012403252JJK
Trans EPA ID:	CAD028277036
Trans Name:	ASBURY ENVIRONMENTAL SERVICES

DIVISION 1 - ALAMEDA (Continued) **S113002870**

Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	DEMENNO / KERDOON
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	133 - Aqueous solution with 10% or more total organic residues
RCRA Code:	Not reported
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	0.9174
Waste Quantity:	220
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20131218
Creation Date:	2/25/2014 22:15:05
Receipt Date:	20131218
Manifest ID:	012423337JJK
Trans EPA ID:	CAD028277036
Trans Name:	ASBURY ENVIRONMENTAL SERVICES
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	DEMENNO / KERDOON
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	133 - Aqueous solution with 10% or more total organic residues
RCRA Code:	Not reported
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	1.48035
Waste Quantity:	355
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20131212
Creation Date:	4/29/2014 22:14:58
Receipt Date:	20140114
Manifest ID:	002177487GBF
Trans EPA ID:	CAL000224539
Trans Name:	FRS ENVIRONMENTAL INC
Trans 2 EPA ID:	CAD980585293
Trans 2 Name:	INDUSTRIAL WASTE UTILIZATION
TSDF EPA ID:	Not reported
Trans Name:	Not reported
TSDF Alt EPA ID:	CAT080013352
TSDF Alt Name:	DEMENNO KERDOON
Waste Code Description:	134 - Aqueous solution with <10% total organic residues

DIVISION 1 - ALAMEDA (Continued) **S113002870**

RCRA Code:	Not reported
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	0.21
Waste Quantity:	50
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20131210
Creation Date:	2/18/2014 22:15:13
Receipt Date:	20131210
Manifest ID:	009781557JJK
Trans EPA ID:	CAR000168229
Trans Name:	HAZARDOUS TECHNOLOGIES INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	DEMENNO/KERDOON
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	222 - Oil/water separation sludge
RCRA Code:	Not reported
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	11.4675
Waste Quantity:	2750
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20131209
Creation Date:	2/18/2014 22:15:13
Receipt Date:	20131209
Manifest ID:	009781555JJK
Trans EPA ID:	CAR000168229
Trans Name:	HAZARDOUS TECHNOLOGIES INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	DEMENNO/KERDOON
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	222 - Oil/water separation sludge
RCRA Code:	Not reported
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	20.85
Waste Quantity:	5000
Quantity Unit:	G
Additional Code 1:	Not reported

DIVISION 1 - ALAMEDA (Continued) **S113002870**

Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20131204
Creation Date:	4/24/2014 22:15:08
Receipt Date:	20131216
Manifest ID:	008728816JJK
Trans EPA ID:	CAD072953771
Trans Name:	UNITED PUMPING SERVICE INC
Trans 2 EPA ID:	CAD980585293
Trans 2 Name:	INDUSTRIAL WASTE UTILIZATION INC
TSDF EPA ID:	AZR000501510
Trans Name:	AA SYDCOL LLC DBA SYDCOL
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.075
Waste Quantity:	150
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20131204
Creation Date:	4/24/2014 22:15:08
Receipt Date:	20131216
Manifest ID:	008728816JJK
Trans EPA ID:	CAD072953771
Trans Name:	UNITED PUMPING SERVICE INC
Trans 2 EPA ID:	CAD980585293
Trans 2 Name:	INDUSTRIAL WASTE UTILIZATION INC
TSDF EPA ID:	AZR000501510
Trans Name:	AA SYDCOL LLC DBA SYDCOL
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.2
Waste Quantity:	400
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20131203
Creation Date:	1/28/2014 22:15:25

DIVISION 1 - ALAMEDA (Continued) **S113002870**

Receipt Date:	20131203
Manifest ID:	012402815JJK
Trans EPA ID:	CAD028277036
Trans Name:	ASBURY ENVIRONMENTAL SERVICES
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	DEMENNO / KERDOON
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	133 - Aqueous solution with 10% or more total organic residues
RCRA Code:	Not reported
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	1.2093
Waste Quantity:	290
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20131119
Creation Date:	1/13/2014 22:15:14
Receipt Date:	20131119
Manifest ID:	012416138JJK
Trans EPA ID:	CAD028277036
Trans Name:	ASBURY ENVIRONMENTAL SERVICES
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	DEMENNO / KERDOON
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	133 - Aqueous solution with 10% or more total organic residues
RCRA Code:	Not reported
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	1.31355
Waste Quantity:	315
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20131106
Creation Date:	1/6/2014 22:15:06
Receipt Date:	20131106
Manifest ID:	011817582JJK
Trans EPA ID:	CAD028277036
Trans Name:	ASBURY ENVIRONMENTAL SERVICES
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352

DIVISION 1 - ALAMEDA (Continued) **S113002870**

Trans Name:	DEMENNO / KERDOON
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	133 - Aqueous solution with 10% or more total organic residues
RCRA Code:	Not reported
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	1.43865
Waste Quantity:	345
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2012
Gen EPA ID:	CAD980814040
Shipment Date:	20121220
Creation Date:	5/14/2013 22:15:27
Receipt Date:	20121220
Manifest ID:	008712810JJK
Trans EPA ID:	CAD008252405
Trans Name:	PACIFIC RESOURCE RECOVERY
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008252405
Trans Name:	PACIFIC RESOURCE RECOVERY
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.15
Waste Quantity:	300
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20121220
Creation Date:	5/14/2013 22:15:27
Receipt Date:	20121220
Manifest ID:	008712810JJK
Trans EPA ID:	CAD008252405
Trans Name:	PACIFIC RESOURCE RECOVERY
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008252405
Trans Name:	PACIFIC RESOURCE RECOVERY
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported

DIVISION 1 - ALAMEDA (Continued) **S113002870**

Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	D001
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Recovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.075
Waste Quantity:	150
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20121218
Creation Date:	6/16/2013 22:15:06
Receipt Date:	Not reported
Manifest ID:	001979879GBF
Trans EPA ID:	CAD983615501
Trans Name:	PACIFIC OIL COMPANY
Trans 2 EPA ID:	AZR000503789
Trans 2 Name:	BOTAVIA ENERGY LLC
TSDF EPA ID:	AZR000509950
Trans Name:	BOTAVIA ENERGY LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Meth Code:	- Not reported
Quantity Tons:	9.5
Waste Quantity:	2500
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20121212
Creation Date:	5/24/2013 22:15:17
Receipt Date:	20130120
Manifest ID:	001875941GBF
Trans EPA ID:	CAL000224539
Trans Name:	FRS ENVIRONMENTAL INC
Trans 2 EPA ID:	CAD980585293
Trans 2 Name:	INDUSTRIAL WASTE UTILIZATION
TSDF EPA ID:	AZR000501510
Trans Name:	AA SYDCOL
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Recovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.168
Waste Quantity:	40
Quantity Unit:	G
Additional Code 1:	Not reported

DIVISION 1 - ALAMEDA (Continued) **S113002870**

Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20121212
Creation Date:	2/15/2013 22:15:34
Receipt Date:	20121212
Manifest ID:	010865531JJK
Trans EPA ID:	CAD028277036
Trans Name:	ASBURY ENVIRONMENTAL SERVICES
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	DEMENNO / KERDOON
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	133 - Aqueous solution with 10% or more total organic residues
RCRA Code:	Not reported
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	1.0425
Waste Quantity:	250
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20121205
Creation Date:	2/15/2013 22:15:22
Receipt Date:	20121205
Manifest ID:	008723420JJK
Trans EPA ID:	CAD072953771
Trans Name:	UNITED PUMPING SERVICE INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	DEMENNO KERDOON
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	222 - Oil/water separation sludge
RCRA Code:	Not reported
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	14.595
Waste Quantity:	3500
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20121203
Creation Date:	2/15/2013 22:15:11

DIVISION 1 - ALAMEDA (Continued) **S113002870**

Receipt Date:	20121203
Manifest ID:	008723685JJK
Trans EPA ID:	CAD072953771
Trans Name:	UNITED PUMPING SERVICE INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	DEMENNO KERDOON
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	222 - Oil/water separation sludge
RCRA Code:	Not reported
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	22.935
Waste Quantity:	5500
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20121120
Creation Date:	1/21/2013 22:15:09
Receipt Date:	20121120
Manifest ID:	010864795JJK
Trans EPA ID:	CAD028277036
Trans Name:	ASBURY ENVIRONMENTAL SERVICES
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	DEMENNO / KERDOON
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	133 - Aqueous solution with 10% or more total organic residues
RCRA Code:	Not reported
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	1.5012
Waste Quantity:	360
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20121108
Creation Date:	4/21/2013 22:15:04
Receipt Date:	20121211
Manifest ID:	001876433GBF
Trans EPA ID:	CAL000224539
Trans Name:	FRS ENVIRONMENTAL INC
Trans 2 EPA ID:	CAD980585293
Trans 2 Name:	INDUSTRIAL WASTE UTILIZATION
TSDF EPA ID:	AZR000501510

DIVISION 1 - ALAMEDA (Continued) **S113002870**

Trans Name:	AA SYDCOL
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.231
Waste Quantity:	55
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20121030
Creation Date:	1/5/2013 22:15:26
Receipt Date:	20121031
Manifest ID:	009571042JJK
Trans EPA ID:	CAD028277036
Trans Name:	ASBURY ENVIRONMENTAL SERVICES
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	DEMENNO / KERDOON
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	133 - Aqueous solution with 10% or more total organic residues
RCRA Code:	Not reported
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	1.1259
Waste Quantity:	270
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

HWTS:

Name:	L.A.C.M.T.A.
Address:	1016 E 6TH ST
Address 2:	Not reported
City,State,Zip:	LOS ANGELES, CA 90021
EPA ID:	CAD980814040
Inactive Date:	Not reported
Create Date:	05/17/1983
Last Act Date:	Not reported
Mailing Name:	Not reported
Mailing Address:	470 BAUCHET STREET
Mailing Address 2:	Not reported
Mailing City,State,Zip:	LOS ANGELES, CA 900122913
Owner Name:	LACMTA
Owner Address:	ONE GATEWAY PLAZA
Owner Address 2:	Not reported

DIVISION 1 - ALAMEDA (Continued) **S113002870**

Owner City,State,Zip:	LOS ANGELES, CA 900120000
Contact Name:	JAMES JIMENEZ
Contact Address:	470 BAUCHET STREET
Contact Address 2:	Not reported
City,State,Zip:	LOS ANGELES, CA 90012
Facility Status:	Active
Facility Type:	PERMANENT
Category:	STATE
Latitude:	34.038885
Longitude:	-118.239743

NAICS:

EPA ID:	CAD980814040
Create Date:	2002-03-14 16:36:26.000
NAICS Code:	4851
NAICS Description:	Urban Transit Systems
Issued EPA ID Date:	1983-05-17 00:00:00
Inactive Date:	Not reported
Facility Name:	L.A.C.M.T.A.
Facility Address:	1016 E 6TH ST
Facility Address 2:	Not reported
Facility City:	LOS ANGELES
Facility County:	Not reported
Facility State:	CA
Facility Zip:	900210000

EPA ID:	CAD980814040
Create Date:	2003-10-23 15:27:19.000
NAICS Code:	485999
NAICS Description:	All Other Transit and Ground Passenger Transportation
Issued EPA ID Date:	1983-05-17 00:00:00
Inactive Date:	Not reported
Facility Name:	L.A.C.M.T.A.
Facility Address:	1016 E 6TH ST
Facility Address 2:	Not reported
Facility City:	LOS ANGELES
Facility County:	Not reported
Facility State:	CA
Facility Zip:	900210000

AE185 **LA COUNTY METROPOLITAN TRANS AUTHORITY** **UST** **U004307838**
North **1016 E 6TH ST** **N/A**
1/8-1/4 **LOS ANGELES, CA 90021**
0.221 mi.
1167 ft. **Site 8 of 11 in cluster AE**

Relative:
Higher

Actual:
254 ft.

LOS ANGELES UST:

Name:	LA COUNTY METROPOLITAN TRANS AUTHORITY
Address:	1016 E 6TH ST
City,State,Zip:	LOS ANGELES, CA 90021
Facility ID:	FA0036259
Last Run Date:	11/01/2022
Status:	INACTIVE

AE186
North
1/8-1/4
0.221 mi.
1167 ft.

L.A.C.M.T.A.
1016 EAST 6TH STREET
LOS ANGELES, CA 90021

Site 9 of 11 in cluster AE

RCRA-SQG **1024782679**
CAD980814040

Relative:
Higher

Actual:
254 ft.

RCRA Listings:

Date Form Received by Agency:		20220228
Handler Name:	L.A.C.M.T.A.	
Handler Address:		1016 EAST 6TH STREET
Handler City,State,Zip:		LOS ANGELES, CA 90021-0000
EPA ID:		CAD980814040
Contact Name:		ROGER W UHDEN
Contact Address:		GATEWAY PLAZA
Contact City,State,Zip:		LOS ANGELES, CA 90012
Contact Telephone:		213-922-5848
Contact Fax:		213-922-5142
Contact Email:		UHDENR@METRO.NET
Contact Title:		SENIOR ENVIRONMENTAL SPECIALIST
EPA Region:		09
Land Type:		County
Federal Waste Generator Description:		Small Quantity Generator
Non-Notifier:		Not reported
Biennial Report Cycle:		2021
Accessibility:		Not reported
Active Site Indicator:		Handler Activities
State District Owner:		Not reported
State District:		Not reported
Mailing Address:		GATEWAY PLAZA
Mailing City,State,Zip:		LOS ANGELES, CA 90012
Owner Name:	LOS ANGELES COUNTY METROPOLITAN TRAQNSIT AUTHORITY	
Owner Type:		County
Operator Name:	ROGER UHDEN	
Operator Type:		County
Short-Term Generator Activity:		No
Importer Activity:		No
Mixed Waste Generator:		No
Transporter Activity:		No
Transfer Facility Activity:		No
Recycler Activity with Storage:		No
Small Quantity On-Site Burner Exemption:		No
Smelting Melting and Refining Furnace Exemption:		No
Underground Injection Control:		No
Off-Site Waste Receipt:		No
Universal Waste Indicator:		No
Universal Waste Destination Facility:		No
Federal Universal Waste:		No
Active Site Fed-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site Converter Treatment storage and Disposal Facility:		Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site State-Reg Handler:		---
Federal Facility Indicator:		Not reported
Hazardous Secondary Material Indicator:		N
Sub-Part K Indicator:		Not reported
Commercial TSD Indicator:		No
Treatment Storage and Disposal Type:		Not reported
2018 GPRA Permit Baseline:		Not on the Baseline
2018 GPRA Renewals Baseline:		Not on the Baseline
Permit Renewals Workload Universe:		Not reported

L.A.C.M.T.A. (Continued) **1024782679**

Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required: Not reported	
Handler Date of Last Change:	20220629
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Biennial: List of Years
Year: 2017

Click Here for Biennial Reporting System Data:

Hazardous Waste Summary:
Waste Code: D001
Waste Description: IGNITABLE WASTE

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name:	LOS ANGELES COUNTY METROPOLITAN TRAQNSIT AUTHORITY
Legal Status:	County
Date Became Current:	19830517
Date Ended Current:	Not reported
Owner/Operator Address:	1 GATEWAY PLAZA
Owner/Operator City,State,Zip:	LOS ANGELES, CA 90012
Owner/Operator Telephone:	213-922-5848
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	UHDENR@METRO.NET

Owner/Operator Indicator:	Operator
Owner/Operator Name:	ROGER UHDEN
Legal Status:	County

L.A.C.M.T.A. (Continued) **1024782679**

Date Became Current: 20110328
Date Ended Current: Not reported
Owner/Operator Address: 1 GATEWAY PLAZA
Owner/Operator City,State,Zip: LOSA ANGELES, CA 90012
Owner/Operator Telephone: 213-922-5848
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: UHDENR@METRO.NET

Owner/Operator Indicator: Operator
Owner/Operator Name: ROGER UHDEN
Legal Status: County
Date Became Current: 20110328
Date Ended Current: Not reported
Owner/Operator Address: 1 GATEWAY PLAZA
Owner/Operator City,State,Zip: LOSA ANGELES, CA 90012
Owner/Operator Telephone: 213-922-5848
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: UHDENR@METRO.NET

Owner/Operator Indicator: Owner
Owner/Operator Name: LOS ANGELES COUNTY METROPOLITAN TRAQNSIT AUTHORITY
Legal Status: County
Date Became Current: 19830517
Date Ended Current: Not reported
Owner/Operator Address: 1 GATEWAY PLAZA
Owner/Operator City,State,Zip: LOS ANGELES, CA 90012
Owner/Operator Telephone: 213-922-5848
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: UHDENR@METRO.NET

Historic Generators:
Receive Date: 20180710
Handler Name: L.A.C.M.T.A.
Federal Waste Generator Description: Small Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: No
Electronic Manifest Broker: No

Receive Date: 20220228
Handler Name: L.A.C.M.T.A.
Federal Waste Generator Description: Small Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes

L.A.C.M.T.A. (Continued) **1024782679**

Non Storage Recycler Activity: No
Electronic Manifest Broker: No

List of NAICS Codes and Descriptions:
NAICS Code: 485113
NAICS Description: BUS AND OTHER MOTOR VEHICLE TRANSIT SYSTEMS

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

AE187 **LA COUNTY METROPOLITAN TRANS AUTHORITY** **HIST UST** **U001560555**
North **1016 E 6TH ST** **HAZMAT** **N/A**
1/8-1/4 **LOS ANGELES, CA 90021**
0.221 mi.
1167 ft. **Site 10 of 11 in cluster AE**

Relative: **Higher**
Actual: **254 ft.**

HIST UST:
Name: DIVISION 1 - ALAMEDA
Address: 1016 E 6TH ST
City,State,Zip: LOS ANGELES, CA 90013
File Number: Not reported
URL: Not reported
Region: STATE
Facility ID: 00000033833
Facility Type: Other
Other Type: BUS TRANSPORTATION
Contact Name: Not reported
Telephone: 2132372033
Owner Name: SOUTHERN CALIFORNIA RAPID TRAN
Owner Address: 425 S. MAIN STREET
Owner City,St,Zip: LOS ANGELES, CA 90013
Total Tanks: 0006

Tank Num: 001
Container Num: TK-1
Year Installed: 1960
Tank Capacity: 00010000
Tank Used for: PRODUCT
Type of Fuel: DIESEL
Container Construction Thickness: Not reported
Leak Detection: Stock Inventor

Tank Num: 002
Container Num: TK-2
Year Installed: 1960
Tank Capacity: 00010000
Tank Used for: PRODUCT
Type of Fuel: DIESEL
Container Construction Thickness: Not reported
Leak Detection: Stock Inventor

Tank Num: 003

LA COUNTY METROPOLITAN TRANS AUTHORITY (Continued) **U001560555**

Container Num:	TK-3
Year Installed:	1960
Tank Capacity:	00010000
Tank Used for:	PRODUCT
Type of Fuel:	UNLEADED
Container Construction Thickness:	Not reported
Leak Detection:	Stock Inventor

Tank Num:	004
Container Num:	TK-4
Year Installed:	1960
Tank Capacity:	00010000
Tank Used for:	PRODUCT
Type of Fuel:	Not reported
Container Construction Thickness:	Not reported
Leak Detection:	Stock Inventor

Tank Num:	005
Container Num:	TK-5
Year Installed:	1960
Tank Capacity:	00010000
Tank Used for:	WASTE
Type of Fuel:	WASTE OIL
Container Construction Thickness:	Not reported
Leak Detection:	None

Tank Num:	006
Container Num:	TK-6
Year Installed:	1970
Tank Capacity:	00000280
Tank Used for:	PRODUCT
Type of Fuel:	DIESEL
Container Construction Thickness:	Not reported
Leak Detection:	Stock Inventor

LOS ANGELES HM:

Name:	LA COUNTY METROPOLITAN TRANS AUTHORITY
Address:	1016 E 6TH ST
City,State,Zip:	LOS ANGELES, CA 90021
Facility ID:	FA0036259
Last Run Date:	11/01/2022
Status:	INACTIVE

AG188 **UST** **U004299285**
NNW **1216 INDUSTRIAL ST** **N/A**
1/8-1/4 **LOS ANGELES, CA**
0.221 mi.
1167 ft. **Site 2 of 2 in cluster AG**

Relative: LOS ANGELES UST:
Higher

Name:	Not reported
Address:	1216 INDUSTRIAL ST
City,State,Zip:	LOS ANGELES, CA
Facility ID:	Not reported
Last Run Date:	01/01/1900
Status:	HISTORICAL

Actual:
253 ft.

AA189
NNW
1/8-1/4
0.221 mi.
1168 ft.

1217 INDUSTRIAL ST
LOS ANGELES, CA

Site 7 of 8 in cluster AA

UST **U004299287**
N/A

Relative:
Higher

Actual:
253 ft.

LOS ANGELES UST:

Name:	Not reported
Address:	1217 INDUSTRIAL ST
City,State,Zip:	LOS ANGELES, CA
Facility ID:	Not reported
Last Run Date:	01/01/1900
Status:	HISTORICAL

AA190
NNW
1/8-1/4
0.221 mi.
1168 ft.

WELBILT REFRIGERATION MFG CO INC
1217 INDUSTRIAL ST
LOS ANGELES, CA 90021

Site 8 of 8 in cluster AA

RCRA-SQG **1000163403**
FINDS **CAD077236776**
ECHO

Relative:
Higher

Actual:
253 ft.

RCRA Listings:

Date Form Received by Agency:	19960901
Handler Name:	WELBILT REFRIGERATION MFG CO INC
Handler Address:	1217 INDUSTRIAL ST
Handler City,State,Zip:	LOS ANGELES, CA 90021
EPA ID:	CAD077236776
Contact Name:	Not reported
Contact Address:	Not reported
Contact City,State,Zip:	Not reported
Contact Telephone:	Not reported
Contact Fax:	Not reported
Contact Email:	Not reported
Contact Title:	Not reported
EPA Region:	09
Land Type:	Not reported
Federal Waste Generator Description:	Small Quantity Generator
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Handler Activities
State District Owner:	CA
State District:	4R
Mailing Address:	INDUSTRIAL ST
Mailing City,State,Zip:	LOS ANGELES, CA 90021
Owner Name:	WELBILT REFRIGERATION MFG CO INC
Owner Type:	Private
Operator Name:	NOT REQUIRED
Operator Type:	Private
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No

WELBILT REFRIGERATION MFG CO INC (Continued) **1000163403**

Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	NN
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required: Not reported	
Handler Date of Last Change:	20000915
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	Not reported
Manifest Broker:	Not reported
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Operator
Owner/Operator Name: NOT REQUIRED	
Legal Status:	Private
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	NOT REQUIRED
Owner/Operator City,State,Zip:	NOT REQUIRED, ME 99999
Owner/Operator Telephone:	415-555-1212
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

WELBILT REFRIGERATION MFG CO INC (Continued) **1000163403**

Owner/Operator Indicator: Owner
Owner/Operator Name: WELBILT REFRIGERATION MFG CO INC
Legal Status: Private
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: NOT REQUIRED
Owner/Operator City,State,Zip: NOT REQUIRED, ME 99999
Owner/Operator Telephone: 415-555-1212
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:
Receive Date: 19960901
Handler Name: WELBILT REFRIGERATION MFG CO INC
Federal Waste Generator Description: Small Quantity Generator
State District Owner: CA
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Code: 333415
NAICS Description: AIR-CONDITIONING AND WARM AIR HEATING EQUIPMENT AND COMMERCIAL AND INDUSTRIAL REFRIGERATION EQUIPMENT MANUFACTURING

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

FINDS:
Registry ID: 110002658972

Click Here for FRS Facility Detail Report:

Environmental Interest/Information System:
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:
Envid: 1000163403

WELBILT REFRIGERATION MFG CO INC (Continued) **1000163403**

Registry ID:	110002658972
DFR URL:	http://echo.epa.gov/detailed-facility-report?fid=110002658972
Name:	WELBILT REFRIGERATION MFG CO INC
Address:	1217 INDUSTRIAL ST
City,State,Zip:	LOS ANGELES, CA 90021

AC191 **KIRMAN PLUMBING COMPANY** **SWEEPS UST** **S101617240**
WNW **794 MERCHANT ST** **CA FID UST** **N/A**
1/8-1/4 **LOS ANGELES, CA 90021**
0.221 mi.
1169 ft. **Site 13 of 20 in cluster AC**

Relative:
Higher

Actual:
246 ft.

SWEEPS UST:

Name:	KIRMAN PLUMBING COMPANY
Address:	794 MERCHANT ST
City:	LOS ANGELES
Status:	Not reported
Comp Number:	457
Number:	Not reported
Board Of Equalization:	44-011203
Referral Date:	Not reported
Action Date:	Not reported
Created Date:	Not reported
Owner Tank Id:	Not reported
SWRCB Tank Id:	19-050-000457-000001
Tank Status:	Not reported
Capacity:	2000
Active Date:	Not reported
Tank Use:	M.V. FUEL
STG:	PRODUCT
Content:	REG UNLEADED
Number Of Tanks:	1

CA FID UST:

Facility ID:	19055311
Regulated By:	UTNKA
Regulated ID:	00004979
Cortese Code:	Not reported
SIC Code:	Not reported
Facility Phone:	2136275456
Mail To:	Not reported
Mailing Address:	794 MERCHANT ST
Mailing Address 2:	Not reported
Mailing City,St,Zip:	LOS ANGELES 900210000
Contact:	Not reported
Contact Phone:	Not reported
DUNs Number:	Not reported
NPDES Number:	Not reported
EPA ID:	Not reported
Comments:	Not reported
Status:	Active

AC192 **KIRMAN PLUMBING CO** **HIST UST** **U001560879**
WNW **794 MERCHANT ST** **N/A**
1/8-1/4 **LOS ANGELES, CA 90021**
0.221 mi.
1169 ft. **Site 14 of 20 in cluster AC**

Relative: **Higher**
Actual: **246 ft.**

HIST UST:

Name:	KIRMAN PLUMBING CO
Address:	794 MERCHANT ST
City,State,Zip:	LOS ANGELES, CA 90021
File Number:	0002737f
URL:	https://documents.geotracker.waterboards.ca.gov/ustpdfs/pdf/0002737f.pdf
Region:	STATE
Facility ID:	00000004979
Facility Type:	Other
Other Type:	Not reported
Contact Name:	SAM DE FELICE
Telephone:	2136275456
Owner Name:	KIRMAN PLUMBING CO.
Owner Address:	794 MERCHANT ST.
Owner City,St,Zip:	LOS ANGELES, CA 90021
Total Tanks:	0001
Tank Num:	001
Container Num:	1
Year Installed:	Not reported
Tank Capacity:	00001944
Tank Used for:	PRODUCT
Type of Fuel:	UNLEADED
Container Construction Thickness:	Not reported
Leak Detection:	Stock Inventor

Click here for Geo Tracker PDF:

AC193 **KIRMAN PLUMBING CO** **HAZMAT** **S123545451**
WNW **794 S MERCHANT ST** **N/A**
1/8-1/4 **LOS ANGELES, CA 90021**
0.221 mi.
1169 ft. **Site 15 of 20 in cluster AC**

Relative: **Higher**
Actual: **246 ft.**

LOS ANGELES HM:

Name:	KIRMAN PLUMBING CO
Address:	794 S MERCHANT ST
City,State,Zip:	LOS ANGELES, CA 90021
Facility ID:	FA0012180
Last Run Date:	11/01/2022
Status:	INACTIVE

AC194 **KIRMAN PLUMBING CO** **UST** **U004306176**
WNW **794 S MERCHANT ST** **N/A**
1/8-1/4 **LOS ANGELES, CA 90021**
0.221 mi.
1169 ft. **Site 16 of 20 in cluster AC**

Relative: **Higher**
Actual: **246 ft.**

LOS ANGELES UST:

Name:	KIRMAN PLUMBING CO
Address:	794 S MERCHANT ST
City,State,Zip:	LOS ANGELES, CA 90021

KIRMAN PLUMBING CO (Continued) **U004306176**

Facility ID: FA0012180
Last Run Date: 11/01/2022
Status: INACTIVE

AC195 **KIRMAN PLUMBING COMPANY** **RCRA NonGen / NLR** **1027076575**
WNW **794 MERCHANT STREET** **CAC003148370**
1/8-1/4 **LOS ANGELES, CA 90021**
0.221 mi.
1169 ft. **Site 17 of 20 in cluster AC**

Relative: **Higher**

Actual: **246 ft.**

RCRA Listings:

Date Form Received by Agency:		20211115
Handler Name:	KIRMAN PLUMBING COMPANY	
Handler Address:		794 MERCHANT STREET
Handler City,State,Zip:		LOS ANGELES, CA 90021
EPA ID:		CAC003148370
Contact Name:		SAM DEFELICE
Contact Address:		794 MERCHANT ST
Contact City,State,Zip:		LOS ANGELES, CA 90021
Contact Telephone:		213-627-5456
Contact Fax:		Not reported
Contact Email:		SDEFELICE3@AOL.COM
Contact Title:		Not reported
EPA Region:		09
Land Type:		Not reported
Federal Waste Generator Description:		Not a generator, verified
Non-Notifier:		Not reported
Biennial Report Cycle:		Not reported
Accessibility:		Not reported
Active Site Indicator:		Not reported
State District Owner:		Not reported
State District:		Not reported
Mailing Address:		794 MERCHANT STREET
Mailing City,State,Zip:		LOS ANGELES, CA 90021
Owner Name:	DANIEL A. KIRMAN	
Owner Type:		Other
Operator Name:	SAM DEFELICE	
Operator Type:		Other
Short-Term Generator Activity:		No
Importer Activity:		No
Mixed Waste Generator:		No
Transporter Activity:		No
Transfer Facility Activity:		No
Recycler Activity with Storage:		No
Small Quantity On-Site Burner Exemption:		No
Smelting Melting and Refining Furnace Exemption:		No
Underground Injection Control:		No
Off-Site Waste Receipt:		No
Universal Waste Indicator:		No
Universal Waste Destination Facility:		No
Federal Universal Waste:		No
Active Site Fed-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site Converter Treatment storage and Disposal Facility:		Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site State-Reg Handler:		---
Federal Facility Indicator:		Not reported
Hazardous Secondary Material Indicator:		N
Sub-Part K Indicator:		Not reported

KIRMAN PLUMBING COMPANY (Continued) **1027076575**

Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required: Not reported	
Handler Date of Last Change:	20211115
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Operator
Owner/Operator Name: SAM DEFELICE	
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	794 MERCHANT ST
Owner/Operator City,State,Zip:	LOS ANGELES, CA 90021
Owner/Operator Telephone:	213-627-5456
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Owner
Owner/Operator Name: DANIEL A. KIRMAN	
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	794 MERCHANT STREET
Owner/Operator City,State,Zip:	LOS ANGELES, CA 90021

KIRMAN PLUMBING COMPANY (Continued) **1027076575**

Owner/Operator Telephone: 213-627-5456
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:
Receive Date: 20211115
Handler Name: KIRMAN PLUMBING COMPANY
Federal Waste Generator Description: Not a generator, verified
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: No
Electronic Manifest Broker: No

List of NAICS Codes and Descriptions:
NAICS Code: 238220
NAICS Description: PLUMBING, HEATING, AND AIR-CONDITIONING CONTRACTORS

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

AH196 **IMPRIMA NORTH AMERICA INC.** **PFAS ECHO** **1027370535**
SSW **34.02884/-118.240953** **N/A**
1/8-1/4 **LOS ANGELES, CA**
0.222 mi.
1172 ft. **Site 2 of 5 in cluster AH**

Relative: **Lower**
Actual: **241 ft.**

PFAS ECHO:
Name: IMPRIMA NORTH AMERICA INC.
Address: 34.02884/-118.240953
City,State,Zip: LOS ANGELES, CA
Latitude: 34.02884
Longitude: -118.240953
Count: -1
County: LOS ANGELES
Status: Inactive
Region: 09
Industry: Textiles and Leather
ECHO Facility Report: https://echo.epa.gov/detailed-facility-report?fid=110071121917
Facility Percent Minority: Not reported
Facility Derived Tribes: Not reported
Facility Population: Not reported
EJSCREEN Flag US: N
EJSCREEN Report: https://ejscreen.epa.gov/mapper/mobile/EJSCREEN_mobile.aspx?geometry=%7B%22x%22:-118.240953,%22y%22:34.02884,%22spatialReference%22:%7B%22wkid%22:4326%7D%7D&unit=9035&areatype=&areaid=&basemap=streets&distance=1

IMPRIMA NORTH AMERICA INC. (Continued) **1027370535**

EPA Programs:	RCRA
Federal Facility:	No
Federal Agency:	Not reported
Facility FIPS Code:	Not reported
Facility Indian Country Flag:	N
Facility Collection Method:	Zip Code Centroid
Facility Derived HUC:	Not reported
Facility Derived WBD:	Not reported
Facility Derived CD113:	Not reported
Facility Derived CB2010:	Not reported
Facility Major Flag:	Not reported
Facility Active Flag:	Not reported
Facility Inspection Count:	0
Facility Date Last Inspection:	Not reported
Facility Days Last Inspection:	Not reported
Facility Informal Count:	0
Facility Date Last Informal Action:	Not reported
Facility Formal Action Count:	0
Facility Date Last Formal Action:	Not reported
Facility Total Penalties:	0
Facility Penalty Count:	Not reported
Facility Date Last Penalty:	Not reported
Facility Last Penalty AMT:	Not reported
Facility QTRS With NC:	0
Facility Programs With SNC:	0
Facility Compliance Status:	No Violation Identified
Facility SNC Flag:	N
AIR Flag:	N
NPDES Flag:	N
SDWIS Flag:	N
RCRA Flag:	Y
TRI Flag:	N
GHG Flag:	N
AIR IDS:	Not reported
CAA Permit Types:	Not reported
CAA NAICS:	Not reported
CAA SICS:	Not reported
NPDES IDS:	Not reported
CWA Permit Types:	Not reported
CWA NAICS:	Not reported
CWA SICS:	Not reported
RCRA IDS:	CAC003129663
RCRA Permit Types:	Other
RCRA NAICS:	313110
SDWA IDS:	Not reported
SDWA System Types:	Not reported
SDWA Compliance Status:	Not reported
SDWA SNC Flag:	N
TRI IDS:	Not reported
TRI Releases Transfers:	Not reported
TRI On Site Releases:	Not reported
TRI Off Site Transfers:	Not reported
TRI Reporter:	Not reported
Facility IMP Water Flag:	Not reported

AH197 **PERI LAUNDRY** **PFAS ECHO** **1027404476**
SSW **34.02884/-118.240953** **N/A**
1/8-1/4 **LOS ANGELES, CA**
0.222 mi.
1172 ft. **Site 3 of 5 in cluster AH**

Relative: PFAS ECHO:
Lower

Actual:
241 ft.

Name:	PERI LAUNDRY
Address:	34.02884/-118.240953
City,State,Zip:	LOS ANGELES, CA
Latitude:	34.02884
Longitude:	-118.240953
Count:	-1
County:	LOS ANGELES
Status:	Inactive
Region:	09
Industry:	Metal Machinery Mfg
ECHO Facility Report:	https://echo.epa.gov/detailed-facility-report?fid=110071135889
Facility Percent Minority:	Not reported
Facility Derived Tribes:	Not reported
Facility Population:	Not reported
EJSCREEN Flag US:	N
EJSCREEN Report:	https://ejscreen.epa.gov/mapper/mobile/EJSCREEN_mobile.aspx?geometry=%7B%22x%22:-118.240953,%22y%22:34.02884,%22spatialReference%22:%7B%22wkid%22:4326%7D%7D&unit=9035&areatype=&areaid=&basemap=streets&distance=1
EPA Programs:	RCRA
Federal Facility:	No
Federal Agency:	Not reported
Facility FIPS Code:	Not reported
Facility Indian Country Flag:	N
Facility Collection Method:	Zip Code Centroid
Facility Derived HUC:	Not reported
Facility Derived WBD:	Not reported
Facility Derived CD113:	Not reported
Facility Derived CB2010:	Not reported
Facility Major Flag:	Not reported
Facility Active Flag:	Not reported
Facility Inspection Count:	0
Facility Date Last Inspection:	Not reported
Facility Days Last Inspection:	Not reported
Facility Informal Count:	0
Facility Date Last Informal Action:	Not reported
Facility Formal Action Count:	0
Facility Date Last Formal Action:	Not reported
Facility Total Penalties:	0
Facility Penalty Count:	Not reported
Facility Date Last Penalty:	Not reported
Facility Last Penalty AMT:	Not reported
Facility QTRS With NC:	0
Facility Programs With SNC:	0
Facility Compliance Status:	No Violation Identified
Facility SNC Flag:	N
AIR Flag:	N
NPDES Flag:	N
SDWIS Flag:	N
RCRA Flag:	Y
TRI Flag:	N
GHG Flag:	N

PERI LAUNDRY (Continued) **1027404476**

AIR IDS:	Not reported
CAA Permit Types:	Not reported
CAA NAICS:	Not reported
CAA SICS:	Not reported
NPDES IDS:	Not reported
CWA Permit Types:	Not reported
CWA NAICS:	Not reported
CWA SICS:	Not reported
RCRA IDS:	CAL000462033
RCRA Permit Types:	Other
RCRA NAICS:	333318
SDWA IDS:	Not reported
SDWA System Types:	Not reported
SDWA Compliance Status:	Not reported
SDWA SNC Flag:	N
TRI IDS:	Not reported
TRI Releases Transfers:	Not reported
TRI On Site Releases:	Not reported
TRI Off Site Transfers:	Not reported
TRI Reporter:	Not reported
Facility IMP Water Flag:	Not reported

AH198 **FIBERLAB INC.** **PFAS ECHO** **1027359502**
SSW **34.02884/-118.240953** **N/A**
1/8-1/4 **LOS ANGELES, CA**
0.222 mi.
1172 ft. **Site 4 of 5 in cluster AH**

Relative: **Lower**

Actual: **241 ft.**

PFAS ECHO:

Name:	FIBERLAB INC.
Address:	34.02884/-118.240953
City,State,Zip:	LOS ANGELES, CA
Latitude:	34.02884
Longitude:	-118.240953
Count:	-1
County:	LOS ANGELES
Status:	Inactive
Region:	09
Industry:	Electronics Industry
ECHO Facility Report:	https://echo.epa.gov/detailed-facility-report?fid=110070811349
Facility Percent Minority:	Not reported
Facility Derived Tribes:	Not reported
Facility Population:	Not reported
EJSCREEN Flag US:	N
EJSCREEN Report:	https://ejscreen.epa.gov/mapper/mobile/EJSCREEN_mobile.aspx?geometry=%7B%22x%22:-118.240953,%22y%22:34.02884,%22spatialReference%22:%7B%22wkid%22:4326%7D%7D&unit=9035&areatype=&areaid=&basemap=streets&distance=1
EPA Programs:	RCRA
Federal Facility:	No
Federal Agency:	Not reported
Facility FIPS Code:	Not reported
Facility Indian Country Flag:	N
Facility Collection Method:	Zip Code Centroid
Facility Derived HUC:	Not reported
Facility Derived WBD:	Not reported
Facility Derived CD113:	Not reported
Facility Derived CB2010:	Not reported

FIBERLAB INC. (Continued) **1027359502**

Facility Major Flag:	Not reported
Facility Active Flag:	Not reported
Facility Inspection Count:	0
Facility Date Last Inspection:	Not reported
Facility Days Last Inspection:	Not reported
Facility Informal Count:	0
Facility Date Last Informal Action:	Not reported
Facility Formal Action Count:	0
Facility Date Last Formal Action:	Not reported
Facility Total Penalties:	0
Facility Penalty Count:	Not reported
Facility Date Last Penalty:	Not reported
Facility Last Penalty AMT:	Not reported
Facility QTRS With NC:	0
Facility Programs With SNC:	0
Facility Compliance Status:	No Violation Identified
Facility SNC Flag:	N
AIR Flag:	N
NPDES Flag:	N
SDWIS Flag:	N
RCRA Flag:	Y
TRI Flag:	N
GHG Flag:	N
AIR IDS:	Not reported
CAA Permit Types:	Not reported
CAA NAICS:	Not reported
CAA SICS:	Not reported
NPDES IDS:	Not reported
CWA Permit Types:	Not reported
CWA NAICS:	Not reported
CWA SICS:	Not reported
RCRA IDS:	CAC003063912
RCRA Permit Types:	Other
RCRA NAICS:	334220
SDWA IDS:	Not reported
SDWA System Types:	Not reported
SDWA Compliance Status:	Not reported
SDWA SNC Flag:	N
TRI IDS:	Not reported
TRI Releases Transfers:	Not reported
TRI On Site Releases:	Not reported
TRI Off Site Transfers:	Not reported
TRI Reporter:	Not reported
Facility IMP Water Flag:	Not reported

AI199 **LA MTA DIVISION 1** **LUST** **S103437873**
North **624 CENTRAL S** **Cortese** **N/A**
1/8-1/4 **LOS ANGELES, CA 90021** **CERS**
0.223 mi.
1177 ft. **Site 1 of 5 in cluster AI**

Relative: LUST:
Higher

Name:	LA MTA DIVISION 1
Address:	624 CENTRAL S
City,State,Zip:	LOS ANGELES, CA 90021
Lead Agency:	LOS ANGELES, CITY OF
Case Type:	LUST Cleanup Site
Geo Track:	http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0603700642

Actual:
254 ft.

LA MTA DIVISION 1 (Continued) **S103437873**

Global Id: T0603700642
Latitude: 34.0382589
Longitude: -118.2400306
Status: Completed - Case Closed
Status Date: 05/21/1997
Case Worker: EL
RB Case Number: 900210016
Local Agency: LOS ANGELES, CITY OF
File Location: Not reported
Local Case Number: Not reported
Potential Media Affect: Soil
Potential Contaminants of Concern: Gasoline
Site History: Not reported

LUST:
Global Id: T0603700642
Contact Type: Local Agency Caseworker
Contact Name: ELOY LUNA
Organization Name: LOS ANGELES, CITY OF
Address: 200 North Main Street, Suite 1780
City: LOS ANGELES
Email: eloy.luna@lacity.org
Phone Number: Not reported

Global Id: T0603700642
Contact Type: Regional Board Caseworker
Contact Name: YUE RONG
Organization Name: LOS ANGELES RWQCB (REGION 4)
Address: 320 W. 4TH ST., SUITE 200
City: Los Angeles
Email: yrong@waterboards.ca.gov
Phone Number: Not reported

LUST:
Global Id: T0603700642
Action Type: Other
Date: 11/08/1996
Action: Leak Reported

LUST:
Global Id: T0603700642
Status: Open - Case Begin Date
Status Date: 01/07/1988

Global Id: T0603700642
Status: Open - Site Assessment
Status Date: 01/07/1988

Global Id: T0603700642
Status: Completed - Case Closed
Status Date: 05/21/1997

LUST REG 4:
Region: 4
Regional Board: 04

LA MTA DIVISION 1 (Continued) **S103437873**

County:	Los Angeles	
Facility Id:	900210016	
Status:	Case Closed	
Substance:	Gasoline	
Substance Quantity:	Not reported	
Local Case No:	Not reported	
Case Type:	Soil	
Abatement Method Used at the Site:		Excavate and Dispose
Global ID:	T0603700642	
W Global ID:	W0605100582	
Staff:	UNK	
Local Agency:	19050	
Cross Street:	CENTRAL	
Enforcement Type:	Not reported	
Date Leak Discovered:	Not reported	
Date Leak First Reported:		11/8/1996
Date Leak Record Entered:	12/31/1986	
Date Confirmation Began:	Not reported	
Date Leak Stopped:	Not reported	
Date Case Last Changed on Database:		5/21/1997
Date the Case was Closed:		5/21/1997
How Leak Discovered:	Not reported	
How Leak Stopped:	Not reported	
Cause of Leak:	UNK	
Leak Source:	Tank	
Operator:	LA COUNTY MTA *AKA 624 CENTRAL	
Water System:	YMCA CAMP OF LOS ANGELES 2	
Well Name:	Not reported	
Approx. Dist To Production Well (ft):		4381.92406719216822890108468 7
Source of Cleanup Funding:		Tank
Preliminary Site Assessment Workplan Submitted:		Not reported
Preliminary Site Assessment Began:		Not reported
Pollution Characterization Began:		1/7/1988
Remediation Plan Submitted:		Not reported
Remedial Action Underway:		Not reported
Post Remedial Action Monitoring Began:		Not reported
Enforcement Action Date:		Not reported
Historical Max MTBE Date:		Not reported
Hist Max MTBE Conc in Groundwater:		Not reported
Hist Max MTBE Conc in Soil:		Not reported
Significant Interim Remedial Action Taken:		Yes
GW Qualifier:	Not reported	
Soil Qualifier:	Not reported	
Organization:	Not reported	
Owner Contact:	Not reported	
Responsible Party:	BLANK RP	
RP Address:	PO BOX 194	
Program:	LUST	
Lat/Long:	34.0381976 / -1	
Local Agency Staff:	PEJ	
Beneficial Use:	Not reported	
Priority:	LOP/LOW - MINOR OR NO POTENTIAL WATER RESOURCE IMPACT	
Cleanup Fund Id:	Not reported	
Suspended:	Not reported	
Assigned Name:	2600582-001GEN	
Summary:	FILE MISSING LADF	CLOSED BY

LA MTA DIVISION 1 (Continued) **S103437873**

CORTESE:

Name:	LA MTA DIVISION 1
Address:	624 CENTRAL S
City,State,Zip:	LOS ANGELES, CA 90021
Region:	CORTESE
Envirostor Id:	Not reported
Global ID:	T0603700642
Site/Facility Type:	LUST CLEANUP SITE
Cleanup Status:	COMPLETED - CASE CLOSED
Status Date:	Not reported
Site Code:	Not reported
Latitude:	Not reported
Longitude:	Not reported
Owner:	Not reported
Enf Type:	Not reported
Swat R:	Not reported
Flag:	active
Order No:	Not reported
Waste Discharge System No:	Not reported
Effective Date:	Not reported
Region 2:	Not reported
WID Id:	Not reported
Solid Waste Id No:	Not reported
Waste Management Uit Name:	Not reported
File Name:	Active Open

CERS:

Name:	LA MTA DIVISION 1
Address:	624 CENTRAL S
City,State,Zip:	LOS ANGELES, CA 90021
Site ID:	198548
CERS ID:	T0603700642
CERS Description:	Leaking Underground Storage Tank Cleanup Site

Affiliation:

Affiliation Type Desc:	Regional Board Caseworker
Entity Name:	YUE RONG - LOS ANGELES RWQCB (REGION 4)
Entity Title:	Not reported
Affiliation Address:	320 W. 4TH ST., SUITE 200
Affiliation City:	Los Angeles
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	.

Affiliation Type Desc:	Local Agency Caseworker
Entity Name:	ELOY LUNA - LOS ANGELES, CITY OF
Entity Title:	Not reported
Affiliation Address:	200 North Main Street, Suite 1780
Affiliation City:	LOS ANGELES
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	.

Y200
SSW
1/8-1/4
0.223 mi.
1179 ft.

MORENO BROS BATTERIES
1720 E OLYMPIC BLVD
LOS ANGELES, CA 90021

Site 3 of 3 in cluster Y

HAZMAT **S123546393**
N/A

Relative:
Lower

Actual:
242 ft.

LOS ANGELES HM:

Name:	MORENO BROS BATTERIES
Address:	1720 E OLYMPIC BLVD
City,State,Zip:	LOS ANGELES, CA 90021
Facility ID:	FA0015597
Last Run Date:	11/01/2022
Status:	INACTIVE

AI201
North
1/8-1/4
0.223 mi.
1180 ft.

RTD DIVISION 1-ALAMEDA
624 S CENTRAL AVE
LOS ANGELES, CA 90013

Site 2 of 5 in cluster AI

SWEEPS UST **S106931644**
N/A

Relative:
Higher

Actual:
254 ft.

SWEEPS UST:

Name:	RTD DIVISION 1-ALAMEDA
Address:	624 S CENTRAL AVE
City:	LOS ANGELES
Status:	Active
Comp Number:	1864
Number:	5
Board Of Equalization:	44-012025
Referral Date:	09-14-93
Action Date:	04-18-94
Created Date:	02-29-88
Owner Tank Id:	Not reported
SWRCB Tank Id:	19-050-001864-000001
Tank Status:	A
Capacity:	10000
Active Date:	04-20-88
Tank Use:	M.V. FUEL
STG:	P
Content:	DIESEL
Number Of Tanks:	14

Name:	RTD DIVISION 1-ALAMEDA
Address:	624 S CENTRAL AVE
City:	LOS ANGELES
Status:	Active
Comp Number:	1864
Number:	5
Board Of Equalization:	44-012025
Referral Date:	09-14-93
Action Date:	04-18-94
Created Date:	02-29-88
Owner Tank Id:	Not reported
SWRCB Tank Id:	19-050-001864-000002
Tank Status:	A
Capacity:	10000
Active Date:	04-20-88
Tank Use:	M.V. FUEL
STG:	P
Content:	DIESEL
Number Of Tanks:	Not reported

RTD DIVISION 1-ALAMEDA (Continued) **S106931644**

Name: RTD DIVISION 1-ALAMEDA
Address: 624 S CENTRAL AVE
City: LOS ANGELES
Status: Active
Comp Number: 1864
Number: 5
Board Of Equalization: 44-012025
Referral Date: 09-14-93
Action Date: 04-18-94
Created Date: 02-29-88
Owner Tank Id: Not reported
SWRCB Tank Id: 19-050-001864-000003
Tank Status: A
Capacity: 10000
Active Date: 04-20-88
Tank Use: M.V. FUEL
STG: P
Content: REG UNLEADED
Number Of Tanks: Not reported

Name: RTD DIVISION 1-ALAMEDA
Address: 624 S CENTRAL AVE
City: LOS ANGELES
Status: Active
Comp Number: 1864
Number: 5
Board Of Equalization: 44-012025
Referral Date: 09-14-93
Action Date: 04-18-94
Created Date: 02-29-88
Owner Tank Id: Not reported
SWRCB Tank Id: 19-050-001864-000004
Tank Status: A
Capacity: 10000
Active Date: 04-20-88
Tank Use: CHEMICAL
STG: P
Content: UNKNOWN
Number Of Tanks: Not reported

Name: RTD DIVISION 1-ALAMEDA
Address: 624 S CENTRAL AVE
City: LOS ANGELES
Status: Active
Comp Number: 1864
Number: 5
Board Of Equalization: 44-012025
Referral Date: 09-14-93
Action Date: 04-18-94
Created Date: 02-29-88
Owner Tank Id: Not reported
SWRCB Tank Id: 19-050-001864-000005
Tank Status: A
Capacity: 10000
Active Date: 04-20-88
Tank Use: OIL
STG: W

RTD DIVISION 1-ALAMEDA (Continued) **S106931644**

Content: WASTE OIL
Number Of Tanks: Not reported

Name: RTD DIVISION 1-ALAMEDA
Address: 624 S CENTRAL AVE
City: LOS ANGELES
Status: Active
Comp Number: 1864
Number: 5
Board Of Equalization: 44-012025
Referral Date: 09-14-93
Action Date: 04-18-94
Created Date: 02-29-88
Owner Tank Id: Not reported
SWRCB Tank Id: 19-050-001864-000006
Tank Status: A
Capacity: 280
Active Date: 04-20-88
Tank Use: M.V. FUEL
STG: P
Content: DIESEL
Number Of Tanks: Not reported

Name: RTD DIVISION 1-ALAMEDA
Address: 624 S CENTRAL AVE
City: LOS ANGELES
Status: Active
Comp Number: 1864
Number: 5
Board Of Equalization: 44-012025
Referral Date: 09-14-93
Action Date: 04-18-94
Created Date: 02-29-88
Owner Tank Id: Not reported
SWRCB Tank Id: 19-050-001864-000007
Tank Status: A
Capacity: 1000
Active Date: 04-18-94
Tank Use: UNKNOWN
STG: P
Content: Not reported
Number Of Tanks: Not reported

Name: RTD DIVISION 1-ALAMEDA
Address: 624 S CENTRAL AVE
City: LOS ANGELES
Status: Active
Comp Number: 1864
Number: 5
Board Of Equalization: 44-012025
Referral Date: 09-14-93
Action Date: 04-18-94
Created Date: 02-29-88
Owner Tank Id: Not reported
SWRCB Tank Id: 19-050-001864-000008
Tank Status: A
Capacity: 1000

RTD DIVISION 1-ALAMEDA (Continued) **S106931644**

Active Date:	04-18-94
Tank Use:	UNKNOWN
STG:	P
Content:	Not reported
Number Of Tanks:	Not reported

Name:	RTD DIVISION 1-ALAMEDA
Address:	624 S CENTRAL AVE
City:	LOS ANGELES
Status:	Active
Comp Number:	1864
Number:	5
Board Of Equalization:	44-012025
Referral Date:	09-14-93
Action Date:	04-18-94
Created Date:	02-29-88
Owner Tank Id:	Not reported
SWRCB Tank Id:	19-050-001864-000009
Tank Status:	A
Capacity:	1000
Active Date:	04-18-94
Tank Use:	UNKNOWN
STG:	P
Content:	Not reported
Number Of Tanks:	Not reported

Name:	RTD DIVISION 1-ALAMEDA
Address:	624 S CENTRAL AVE
City:	LOS ANGELES
Status:	Active
Comp Number:	1864
Number:	5
Board Of Equalization:	44-012025
Referral Date:	09-14-93
Action Date:	04-18-94
Created Date:	02-29-88
Owner Tank Id:	Not reported
SWRCB Tank Id:	19-050-001864-000010
Tank Status:	A
Capacity:	1000
Active Date:	04-18-94
Tank Use:	UNKNOWN
STG:	P
Content:	Not reported
Number Of Tanks:	Not reported

Name:	RTD DIVISION 1-ALAMEDA
Address:	624 S CENTRAL AVE
City:	LOS ANGELES
Status:	Active
Comp Number:	1864
Number:	5
Board Of Equalization:	44-012025
Referral Date:	09-14-93
Action Date:	04-18-94
Created Date:	02-29-88
Owner Tank Id:	Not reported

RTD DIVISION 1-ALAMEDA (Continued) **S106931644**

SWRCB Tank Id: 19-050-001864-000011
Tank Status: A
Capacity: 1000
Active Date: 04-18-94
Tank Use: UNKNOWN
STG: P
Content: Not reported
Number Of Tanks: Not reported

Name: RTD DIVISION 1-ALAMEDA
Address: 624 S CENTRAL AVE
City: LOS ANGELES
Status: Active
Comp Number: 1864
Number: 5
Board Of Equalization: 44-012025
Referral Date: 09-14-93
Action Date: 04-18-94
Created Date: 02-29-88
Owner Tank Id: Not reported
SWRCB Tank Id: 19-050-001864-000012
Tank Status: A
Capacity: 1000
Active Date: 04-18-94
Tank Use: UNKNOWN
STG: P
Content: Not reported
Number Of Tanks: Not reported

Name: RTD DIVISION 1-ALAMEDA
Address: 624 S CENTRAL AVE
City: LOS ANGELES
Status: Active
Comp Number: 1864
Number: 5
Board Of Equalization: 44-012025
Referral Date: 09-14-93
Action Date: 04-18-94
Created Date: 02-29-88
Owner Tank Id: Not reported
SWRCB Tank Id: 19-050-001864-000013
Tank Status: A
Capacity: 1000
Active Date: 04-18-94
Tank Use: UNKNOWN
STG: P
Content: Not reported
Number Of Tanks: Not reported

Name: RTD DIVISION 1-ALAMEDA
Address: 624 S CENTRAL AVE
City: LOS ANGELES
Status: Active
Comp Number: 1864
Number: 5
Board Of Equalization: 44-012025
Referral Date: 09-14-93

RTD DIVISION 1-ALAMEDA (Continued) **S106931644**

Action Date:	04-18-94
Created Date:	02-29-88
Owner Tank Id:	Not reported
SWRCB Tank Id:	19-050-001864-000014
Tank Status:	A
Capacity:	1000
Active Date:	04-18-94
Tank Use:	UNKNOWN
STG:	P
Content:	Not reported
Number Of Tanks:	Not reported

AI202 **SO CALIF RAPID TRANSIT DIST.** **SWEEPS UST** **S106932323**
North **624 S CENTRAL AVE** **N/A**
1/8-1/4 **LOS ANGELES, CA 90000**
0.223 mi.
1180 ft. **Site 3 of 5 in cluster AI**

Relative: **Higher**
Actual: **254 ft.**

SWEEPS UST:

Name:	SO CALIF RAPID TRANSIT DIST.
Address:	624 S CENTRAL AVE
City:	LOS ANGELES
Status:	Active
Comp Number:	8254
Number:	5
Board Of Equalization:	Not reported
Referral Date:	09-23-93
Action Date:	03-18-94
Created Date:	09-23-93
Owner Tank Id:	Not reported
SWRCB Tank Id:	Not reported
Tank Status:	Not reported
Capacity:	Not reported
Active Date:	Not reported
Tank Use:	Not reported
STG:	Not reported
Content:	Not reported
Number Of Tanks:	Not reported

AI203 **M T A** **UST** **U003780858**
North **624 S CENTRAL AVE** **N/A**
1/8-1/4 **LOS ANGELES, CA 90021**
0.223 mi.
1180 ft. **Site 4 of 5 in cluster AI**

Relative: **Higher**
Actual: **254 ft.**

UST:

Name:	M T A
Address:	624 S CENTRAL AVE
City,State,Zip:	LOS ANGELES, CA 90021
Facility ID:	24429
Permitting Agency:	LOS ANGELES, CITY OF
CERSID:	Not reported
Latitude:	34.03835
Longitude:	-118.24003
Owner type:	Not reported
Facility type:	Not reported

M T A (Continued) **U003780858**

Num of inuse ust:	Not reported
Num of closed ust:	Not reported
Num of oos ust:	Not reported
Epa region:	Not reported
Tribal lands:	Not reported
Tank owner name:	Not reported
Tank owner mailing address:	Not reported
Tank owner mailing city:	Not reported
Tank owner mailing zip:	Not reported
Tank owner mailing state:	Not reported
Tank operator name:	Not reported
Tank operator mailing address:	Not reported
Tank operator mailing city:	Not reported
Tank operator mailing zip:	Not reported
Tank operator mailing state:	Not reported
Tankidnumber:	Not reported
Tank status:	Not reported
Tank configuration:	Not reported
Tank closure date:	Not reported
Tank installation date:	Not reported
Tank num of compartments:	Not reported
Tank contents:	Not reported
Tank capacity gallons:	Not reported
Tank type:	Not reported
Tank pc construction:	Not reported
Tank pwpiping construction:	Not reported
Tank piping type:	Not reported
Tank piping construction:	Not reported
Tank sacrificial anode:	Not reported
Tank cp impressed current:	Not reported
Tank cp shutoff:	Not reported
Tank alarms:	Not reported
Tank ball float:	Not reported
Tank spill bucket:	Not reported

LOS ANGELES UST:

Name:	Not reported
Address:	624 S CENTRAL AVE
City,State,Zip:	LOS ANGELES, CA
Facility ID:	Not reported
Last Run Date:	01/01/1900
Status:	HISTORICAL

AJ204 **PROGRESSIVE PRODUCE CO.** **HIST UST** **U001560896**
NNE **1266 E 6TH ST** **N/A**
1/8-1/4 **LOS ANGELES, CA 90021**
0.224 mi.
1183 ft. **Site 1 of 6 in cluster AJ**

Relative:
Higher

Actual:
253 ft.

HIST UST:

Name:	PROGRESSIVE PRODUCE CO.
Address:	1266 E 6TH ST
City,State,Zip:	LOS ANGELES, CA 90021
File Number:	Not reported
URL:	Not reported
Region:	STATE
Facility ID:	00000017274

PROGRESSIVE PRODUCE CO. (Continued) **U001560896**

Facility Type:	Other
Other Type:	OWN TANK
Contact Name:	HAROLD IGE
Telephone:	2136246656
Owner Name:	PROGRESSIVE PRODUCE CO.
Owner Address:	1266 E 6TH ST
Owner City,St,Zip:	LOS ANGELES, CA 90021
Total Tanks:	0002
Tank Num:	001
Container Num:	2
Year Installed:	Not reported
Tank Capacity:	00010000
Tank Used for:	PRODUCT
Type of Fuel:	DIESEL
Container Construction Thickness:	Not reported
Leak Detection:	Visual
Tank Num:	002
Container Num:	1
Year Installed:	Not reported
Tank Capacity:	00000000
Tank Used for:	PRODUCT
Type of Fuel:	UNLEADED
Container Construction Thickness:	Not reported
Leak Detection:	None

AJ205 **PROGRESSIVE PRODUCE COMPANY** **SWEEPS UST** **S101617247**
NNE **1266 E 6TH ST** **HIST UST** **N/A**
1/8-1/4 **LOS ANGELES, CA 90021** **CA FID UST**
0.224 mi. **HAZMAT**
1183 ft. **Site 2 of 6 in cluster AJ**

Relative: **Higher**
Actual: **253 ft.**

SWEEPS UST:

Name:	PROGRESSIVE PRODUCE COMPANY
Address:	1266 E 6TH ST
City:	LOS ANGELES
Status:	Not reported
Comp Number:	1161
Number:	Not reported
Board Of Equalization:	44-011637
Referral Date:	Not reported
Action Date:	Not reported
Created Date:	Not reported
Owner Tank Id:	Not reported
SWRCB Tank Id:	19-050-001161-000001
Tank Status:	Not reported
Capacity:	10000
Active Date:	Not reported
Tank Use:	M.V. FUEL
STG:	PRODUCT
Content:	DIESEL
Number Of Tanks:	2
Name:	PROGRESSIVE PRODUCE COMPANY
Address:	1266 E 6TH ST
City:	LOS ANGELES
Status:	Not reported

PROGRESSIVE PRODUCE COMPANY (Continued) **S101617247**

Comp Number:	1161
Number:	Not reported
Board Of Equalization:	44-011637
Referral Date:	Not reported
Action Date:	Not reported
Created Date:	Not reported
Owner Tank Id:	Not reported
SWRCB Tank Id:	19-050-001161-000002
Tank Status:	Not reported
Capacity:	Not reported
Active Date:	Not reported
Tank Use:	M.V. FUEL
STG:	PRODUCT
Content:	REG UNLEADED
Number Of Tanks:	Not reported

HIST UST:

Name:	PROGRESSIVE PRODUCE CO
Address:	1266 E 6TH STREET
City,State,Zip:	LOS ANGELES, CA 90021
File Number:	00027df4
URL:	https://documents.geotracker.waterboards.ca.gov/ustpdfs/pdf/00027df4.pdf
Region:	Not reported
Facility ID:	Not reported
Facility Type:	Not reported
Other Type:	Not reported
Contact Name:	Not reported
Telephone:	Not reported
Owner Name:	Not reported
Owner Address:	Not reported
Owner City,St,Zip:	Not reported
Total Tanks:	Not reported

Tank Num:	Not reported
Container Num:	Not reported
Year Installed:	Not reported
Tank Capacity:	Not reported
Tank Used for:	Not reported
Type of Fuel:	Not reported
Container Construction Thickness:	Not reported
Leak Detection:	Not reported

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CA FID UST:

Facility ID:	19011632
Regulated By:	UTNKI
Regulated ID:	00017274
Cortese Code:	Not reported
SIC Code:	Not reported
Facility Phone:	2136246656
Mail To:	Not reported
Mailing Address:	1266 E 6TH ST
Mailing Address 2:	Not reported
Mailing City,St,Zip:	LOS ANGELES 900210000
Contact:	Not reported

PROGRESSIVE PRODUCE COMPANY (Continued) **S101617247**

Contact Phone: Not reported
DUNs Number: Not reported
NPDES Number: Not reported
EPA ID: Not reported
Comments: Not reported
Status: Inactive

LOS ANGELES HM:
Name: CHIQUITA BRANDS INTERNATIONAL
Address: 1266 E 6TH ST
City,State,Zip: LOS ANGELES, CA 90021
Facility ID: FA0021329
Last Run Date: 11/01/2022
Status: INACTIVE

AK206 **UST** **U004304539**
South **799 S ALAMEDA ST** **N/A**
1/8-1/4 **LOS ANGELES, CA**
0.225 mi.
1186 ft. **Site 1 of 6 in cluster AK**

Relative: **Lower**
Actual: **243 ft.**

LOS ANGELES UST:
Name: Not reported
Address: 799 S ALAMEDA ST
City,State,Zip: LOS ANGELES, CA
Facility ID: Not reported
Last Run Date: 01/01/1900
Status: HISTORICAL

AJ207 **AMC PRODUCE INC.** **HAZMAT** **S128977323**
NNE **1268 6TH AVE** **N/A**
1/8-1/4 **LOS ANGELES, CA 90021**
0.225 mi.
1186 ft. **Site 3 of 6 in cluster AJ**

Relative: **Higher**
Actual: **253 ft.**

LOS ANGELES HM:
Name: AMC PRODUCE INC.
Address: 1268 6TH AVE
City,State,Zip: LOS ANGELES, CA 90021
Facility ID: FA0042405
Last Run Date: 11/01/2022
Status: ACTIVE

AL208 **UST** **U004300555**
ENE **1750 E 7TH ST** **N/A**
1/8-1/4 **LOS ANGELES, CA**
0.226 mi.
1193 ft. **Site 1 of 2 in cluster AL**

Relative: **Higher**
Actual: **248 ft.**

LOS ANGELES UST:
Name: Not reported
Address: 1750 E 7TH ST
City,State,Zip: LOS ANGELES, CA
Facility ID: Not reported

(Continued) **U004300555**

Last Run Date: 01/01/1900
Status: HISTORICAL

AL209 **MALKI SHEEL SERVICE** **SWEEPS UST** **S101588335**
ENE **1750 E 7TH ST** **CA FID UST** **N/A**
1/8-1/4 **LOS ANGELES, CA 90033**
0.226 mi.
1193 ft. **Site 2 of 2 in cluster AL**

Relative:
Higher

Actual:
248 ft.

SWEEPS UST:

Name:	MALKI SHEEL SERVICE
Address:	1750 E 7TH ST
City:	LOS ANGELES
Status:	Not reported
Comp Number:	8082
Number:	Not reported
Board Of Equalization:	Not reported
Referral Date:	Not reported
Action Date:	Not reported
Created Date:	Not reported
Owner Tank Id:	Not reported
SWRCB Tank Id:	Not reported
Tank Status:	Not reported
Capacity:	Not reported
Active Date:	Not reported
Tank Use:	Not reported
STG:	Not reported
Content:	Not reported
Number Of Tanks:	0

CA FID UST:

Facility ID:	19056581
Regulated By:	UTNKA
Regulated ID:	Not reported
Cortese Code:	Not reported
SIC Code:	Not reported
Facility Phone:	2130000000
Mail To:	Not reported
Mailing Address:	1750 E 7TH ST
Mailing Address 2:	Not reported
Mailing City,St,Zip:	LOS ANGELES 90033
Contact:	Not reported
Contact Phone:	Not reported
DUNs Number:	Not reported
NPDES Number:	Not reported
EPA ID:	Not reported
Comments:	Not reported
Status:	Active

AC210
WNW
1/8-1/4
0.226 mi.
1194 ft.

1225-1227 E 8TH ST
LOS ANGELES, CA

Site 18 of 20 in cluster AC

UST **U004299317**
N/A

Relative:
Lower

Actual:
245 ft.

LOS ANGELES UST:

Name:	Not reported
Address:	1225-1227 E 8TH ST
City,State,Zip:	LOS ANGELES, CA
Facility ID:	Not reported
Last Run Date:	01/01/1900
Status:	HISTORICAL

AK211
South
1/8-1/4
0.228 mi.
1203 ft.

CHAFFEE WHSE
821 S ALAMEDA ST
LOS ANGELES, CA 90021

Site 2 of 6 in cluster AK

HIST UST **U001560851**
N/A

Relative:
Lower

Actual:
243 ft.

HIST UST:

Name:	CHAFFEE WHSE
Address:	821 S ALAMEDA ST
City,State,Zip:	LOS ANGELES, CA 90021
File Number:	00027a07
URL:	https://documents.geotracker.waterboards.ca.gov/ustpdfs/pdf/00027a07.pdf
Region:	STATE
Facility ID:	00000064461
Facility Type:	Other
Other Type:	WAREHOUSE & TRUCKING
Contact Name:	Not reported
Telephone:	2136292127
Owner Name:	MAP WAREHOUSE & TRUCKING CO.
Owner Address:	821 S. ALAMEDA ST.
Owner City,St,Zip:	LOS ANGELES, CA 90021
Total Tanks:	0001
Tank Num:	001
Container Num:	1
Year Installed:	Not reported
Tank Capacity:	00000000
Tank Used for:	PRODUCT
Type of Fuel:	REGULAR
Container Construction Thickness:	Not reported
Leak Detection:	None

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AM212
WNW
1/8-1/4
0.233 mi.
1228 ft.

AUTO REPAIR
761 MERCHANT ST
LOS ANGELES, CA 90021

Site 1 of 5 in cluster AM

SWEEPS UST **S101585116**
CA FID UST **N/A**

Relative:
Higher

Actual:
247 ft.

SWEEPS UST:

Name:	AUTO REPAIR
Address:	761 MERCHANT ST
City:	LOS ANGELES

AUTO REPAIR (Continued) **S101585116**

Status:	Not reported
Comp Number:	176
Number:	Not reported
Board Of Equalization:	44-011021
Referral Date:	Not reported
Action Date:	Not reported
Created Date:	Not reported
Owner Tank Id:	Not reported
SWRCB Tank Id:	19-050-000176-000001
Tank Status:	Not reported
Capacity:	1000
Active Date:	Not reported
Tank Use:	M.V. FUEL
STG:	PRODUCT
Content:	REG UNLEADED
Number Of Tanks:	1

CA FID UST:

Facility ID:	19019782
Regulated By:	UTNKA
Regulated ID:	00003236
Cortese Code:	Not reported
SIC Code:	Not reported
Facility Phone:	2136220863
Mail To:	Not reported
Mailing Address:	761 MERCHANT ST
Mailing Address 2:	Not reported
Mailing City,St,Zip:	LOS ANGELES 900210000
Contact:	Not reported
Contact Phone:	Not reported
DUNs Number:	Not reported
NPDES Number:	Not reported
EPA ID:	Not reported
Comments:	Not reported
Status:	Active

AM213 **TI AUTO SERVICE** **HIST UST** **1000103180**
WNW **761 MERCHANT ST** **N/A**
1/8-1/4 **LOS ANGELES, CA 90021**
0.233 mi.
1228 ft. **Site 2 of 5 in cluster AM**

Relative:
Higher

Actual:
247 ft.

HIST UST:

Name:	TI AUTO SERVICE
Address:	761 MERCHANT ST
City,State,Zip:	LOS ANGELES, CA 90021
File Number:	00026c3a
URL:	https://documents.geotracker.waterboards.ca.gov/ustpdfs/pdf/00026c3a.pdf
Region:	STATE
Facility ID:	00000003236
Facility Type:	Other
Other Type:	AUTO & TRUCK REPAIR
Contact Name:	TETSUO ICHIYAMA
Telephone:	2136220863
Owner Name:	GRACE KUNISHIMA
Owner Address:	3559 S COCHRAN AVE
Owner City,St,Zip:	LOS ANGELES, CA 90016

TI AUTO SERVICE (Continued) **1000103180**

Total Tanks: 0001

Tank Num: 001
Container Num: 1
Year Installed: Not reported
Tank Capacity: 00001000
Tank Used for: PRODUCT
Type of Fuel: UNLEADED
Container Construction Thickness: Not reported
Leak Detection: None

Click here for Geo Tracker PDF:

AN214 **B Y PRODUCE** **HAZMAT** **S123550654**
NE **1717 E INDUSTRIAL ST** **N/A**
1/8-1/4 **LOS ANGELES, CA 90021**
0.233 mi.
1228 ft. **Site 1 of 2 in cluster AN**

Relative: LOS ANGELES HM:
Higher
Actual: Name: B Y PRODUCE
250 ft. Address: 1717 E INDUSTRIAL ST
City,State,Zip: LOS ANGELES, CA 90021
Facility ID: FA0031719
Last Run Date: 11/01/2022
Status: INACTIVE

AN215 **MILES PRODUCE** **HAZMAT** **S123552213**
NE **1719 INDUSTRIAL ST** **N/A**
1/8-1/4 **LOS ANGELES, CA 90021**
0.233 mi.
1231 ft. **Site 2 of 2 in cluster AN**

Relative: LOS ANGELES HM:
Higher
Actual: Name: MILES PRODUCE
250 ft. Address: 1719 INDUSTRIAL ST
City,State,Zip: LOS ANGELES, CA 90021
Facility ID: FA0037613
Last Run Date: 11/01/2022
Status: INACTIVE

AK216 **UST** **U004304864**
South **875 S ALAMEDA ST** **N/A**
1/8-1/4 **LOS ANGELES, CA**
0.233 mi.
1232 ft. **Site 3 of 6 in cluster AK**

Relative: LOS ANGELES UST:
Lower
Actual: Name: Not reported
243 ft. Address: 875 S ALAMEDA ST
City,State,Zip: LOS ANGELES, CA
Facility ID: Not reported
Last Run Date: 01/01/1900
Status: HISTORICAL

AH217 **MOBILE REFRIGERATION SERVICE** **SWEEPS UST** **S101584317**
South **1740 E OLYMPIC BLVD** **CA FID UST** **N/A**
1/8-1/4 **LOS ANGELES, CA 90021** **HAZMAT**
0.235 mi.
1242 ft. **Site 5 of 5 in cluster AH**

Relative:
Lower

Actual:
242 ft.

SWEEPS UST:

Name:	MOBILE REFRIGERATION SERVICE
Address:	1740 E OLYMPIC BLVD
City:	LOS ANGELES
Status:	Not reported
Comp Number:	7510
Number:	Not reported
Board Of Equalization:	Not reported
Referral Date:	Not reported
Action Date:	Not reported
Created Date:	Not reported
Owner Tank Id:	Not reported
SWRCB Tank Id:	Not reported
Tank Status:	Not reported
Capacity:	Not reported
Active Date:	Not reported
Tank Use:	Not reported
STG:	Not reported
Content:	Not reported
Number Of Tanks:	Not reported

CA FID UST:

Facility ID:	19010439
Regulated By:	UTNKI
Regulated ID:	Not reported
Cortese Code:	Not reported
SIC Code:	Not reported
Facility Phone:	2134881412
Mail To:	Not reported
Mailing Address:	1740 E OLYMPIC
Mailing Address 2:	Not reported
Mailing City,St,Zip:	LOS ANGELES 900210000
Contact:	Not reported
Contact Phone:	Not reported
DUNs Number:	Not reported
NPDES Number:	Not reported
EPA ID:	Not reported
Comments:	Not reported
Status:	Inactive

LOS ANGELES HM:

Name:	MOBILE REFRIGERATION SERVICE
Address:	1740 E OLYMPIC BLVD
City,State,Zip:	LOS ANGELES, CA 90021
Facility ID:	FA0015596
Last Run Date:	11/01/2022
Status:	INACTIVE

AO218
WSW
1/8-1/4
0.236 mi.
1248 ft.

OLYMPIC BL & CENTRAL AVE
LOS ANGELES, CA

Site 1 of 4 in cluster AO

Relative:
Lower

Actual:
242 ft.

LOS ANGELES UST:

Name:	Not reported
Address:	OLYMPIC BL & CENTRAL AVE
City,State,Zip:	LOS ANGELES, CA
Facility ID:	Not reported
Last Run Date:	01/01/1900
Status:	HISTORICAL

UST **U004308119**
N/A

AI219
North
1/8-1/4
0.237 mi.
1253 ft.

585 S CENTRAL AVE
LOS ANGELES, CA

Site 5 of 5 in cluster AI

Relative:
Higher

Actual:
254 ft.

LOS ANGELES UST:

Name:	Not reported
Address:	585 S CENTRAL AVE
City,State,Zip:	LOS ANGELES, CA
Facility ID:	Not reported
Last Run Date:	01/01/1900
Status:	HISTORICAL

UST **U004303465**
N/A

AK220
South
1/8-1/4
0.237 mi.
1253 ft.

1750-60 E OLYMPIC BLVD
LOS ANGELES, CA

Site 4 of 6 in cluster AK

Relative:
Lower

Actual:
242 ft.

LOS ANGELES UST:

Name:	Not reported
Address:	1750-60 E OLYMPIC BLVD
City,State,Zip:	LOS ANGELES, CA
Facility ID:	Not reported
Last Run Date:	01/01/1900
Status:	HISTORICAL

UST **U004300556**
N/A

221
NNW
1/8-1/4
0.238 mi.
1256 ft.

KITAGAWA BROS GARAGE
1207 E INDUSTRIAL ST
LOS ANGELES, CA 90021

Relative:
Higher

Actual:
253 ft.

LOS ANGELES HM:

Name:	KITAGAWA BROS GARAGE
Address:	1207 E INDUSTRIAL ST
City,State,Zip:	LOS ANGELES, CA 90021
Facility ID:	FA0006818
Last Run Date:	11/01/2022
Status:	INACTIVE

HAZMAT **S123543564**
N/A

AC222
WNW
1/8-1/4
0.238 mi.
1258 ft.

777 MERCHANT ST
LOS ANGELES, CA

Site 19 of 20 in cluster AC

Relative:
Higher

Actual:
246 ft.

UST **U004304464**
N/A

LOS ANGELES UST:

Name:	Not reported
Address:	777 MERCHANT ST
City,State,Zip:	LOS ANGELES, CA
Facility ID:	Not reported
Last Run Date:	01/01/1900
Status:	HISTORICAL

AC223
WNW
1/8-1/4
0.238 mi.
1258 ft.

L A SMOKING & CURRING CO
777 MERCHANT ST
LOS ANGELES, CA 90021

Site 20 of 20 in cluster AC

Relative:
Higher

Actual:
246 ft.

SWEEPS UST **S101587994**
CA FID UST **N/A**

SWEEPS UST:

Name:	L A SMOKING & CURRING CO
Address:	777 MERCHANT ST
City:	LOS ANGELES
Status:	Not reported
Comp Number:	6431
Number:	Not reported
Board Of Equalization:	Not reported
Referral Date:	Not reported
Action Date:	Not reported
Created Date:	Not reported
Owner Tank Id:	Not reported
SWRCB Tank Id:	Not reported
Tank Status:	Not reported
Capacity:	Not reported
Active Date:	Not reported
Tank Use:	Not reported
STG:	Not reported
Content:	Not reported
Number Of Tanks:	Not reported

CA FID UST:

Facility ID:	19056226
Regulated By:	UTNKA
Regulated ID:	Not reported
Cortese Code:	Not reported
SIC Code:	Not reported
Facility Phone:	2130000000
Mail To:	Not reported
Mailing Address:	777 MERCHANT ST
Mailing Address 2:	Not reported
Mailing City,St,Zip:	LOS ANGELES 900210000
Contact:	Not reported
Contact Phone:	Not reported
DUNs Number:	Not reported
NPDES Number:	Not reported
EPA ID:	Not reported
Comments:	Not reported
Status:	Active

AK224
South
1/8-1/4
0.239 mi.
1262 ft.

1900 HUNTER ST
LOS ANGELES, CA

Site 5 of 6 in cluster AK

UST **U004300793**
N/A

Relative:
Lower

Actual:
242 ft.

LOS ANGELES UST:

Name:	Not reported
Address:	1900 HUNTER ST
City,State,Zip:	LOS ANGELES, CA
Facility ID:	Not reported
Last Run Date:	01/01/1900
Status:	HISTORICAL

AO225
WSW
1/8-1/4
0.239 mi.
1263 ft.

1300-02 E OLYMPIC BLVD
LOS ANGELES, CA

Site 2 of 4 in cluster AO

UST **U004299509**
N/A

Relative:
Lower

Actual:
242 ft.

LOS ANGELES UST:

Name:	Not reported
Address:	1300-02 E OLYMPIC BLVD
City,State,Zip:	LOS ANGELES, CA
Facility ID:	Not reported
Last Run Date:	01/01/1900
Status:	HISTORICAL

AM226
WNW
1/8-1/4
0.241 mi.
1270 ft.

775 MERCHANT STREEET
775 MERCHANT STREET
LOS ANGELES, CA 90021

Site 3 of 5 in cluster AM

RCRA-LQG **1014386591**
CAC002646299

Relative:
Higher

Actual:
246 ft.

RCRA Listings:

Date Form Received by Agency:		20100607
Handler Name:	775 MERCHANT STREEET	
Handler Address:		775 MERCHANT STREET
Handler City,State,Zip:		LOS ANGELES, CA 90021
EPA ID:		CAC002646299
Contact Name:		HOWARD KLEIN
Contact Address:		SOUTH CENTRAL AVENUE
Contact City,State,Zip:		LOS ANGELES, CA 90021
Contact Telephone:		213-399-5432
Contact Fax:		213-896-0182
Contact Email:		HOWARD.KLEIN@OCEANBEAUTY.COM
Contact Title:		MEMBER
EPA Region:		09
Land Type:		Private
Federal Waste Generator Description:		Large Quantity Generator
Non-Notifier:		Not reported
Biennial Report Cycle:		2009
Accessibility:		Not reported
Active Site Indicator:		Handler Activities
State District Owner:		Not reported
State District:		Not reported
Mailing Address:		SOUTH CENTRAL AVENUE
Mailing City,State,Zip:		LOS ANGELES, CA 90021

775 MERCHANT STREEET (Continued) **1014386591**

Owner Name:	LASCCO REALTY CO, LLC	
Owner Type:		Private
Operator Name:	LASCCO REALTY CO LLC	
Operator Type:		Private
Short-Term Generator Activity:		Yes
Importer Activity:		No
Mixed Waste Generator:		No
Transporter Activity:		No
Transfer Facility Activity:		No
Recycler Activity with Storage:		No
Small Quantity On-Site Burner Exemption:		No
Smelting Melting and Refining Furnace Exemption:		No
Underground Injection Control:		No
Off-Site Waste Receipt:		No
Universal Waste Indicator:		No
Universal Waste Destination Facility:		No
Federal Universal Waste:		No
Active Site Fed-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site Converter Treatment storage and Disposal Facility:		Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site State-Reg Handler:		---
Federal Facility Indicator:		Not reported
Hazardous Secondary Material Indicator:		NN
Sub-Part K Indicator:		Not reported
Commercial TSD Indicator:		No
Treatment Storage and Disposal Type:		Not reported
2018 GPRA Permit Baseline:		Not on the Baseline
2018 GPRA Renewals Baseline:		Not on the Baseline
Permit Renewals Workload Universe:		Not reported
Permit Workload Universe:		Not reported
Permit Progress Universe:		Not reported
Post-Closure Workload Universe:		Not reported
Closure Workload Universe:		Not reported
202 GPRA Corrective Action Baseline:		No
Corrective Action Workload Universe:		No
Subject to Corrective Action Universe:		No
Non-TSDFs Where RCRA CA has Been Imposed Universe:		No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:		No
TSDFs Only Subject to CA under Discretionary Auth Universe:		No
Corrective Action Priority Ranking:		No NCAPS ranking
Environmental Control Indicator:		No
Institutional Control Indicator:		No
Human Exposure Controls Indicator:		N/A
Groundwater Controls Indicator:		N/A
Operating TSDF Universe:		Not reported
Full Enforcement Universe:		Not reported
Significant Non-Complier Universe:		No
Unaddressed Significant Non-Complier Universe:		No
Addressed Significant Non-Complier Universe:		No
Significant Non-Complier With a Compliance Schedule Universe:		No
Financial Assurance Required:	Not reported	
Handler Date of Last Change:		20101006
Recognized Trader-Importer:		No
Recognized Trader-Exporter:		No
Importer of Spent Lead Acid Batteries:		No
Exporter of Spent Lead Acid Batteries:		No
Recycler Activity Without Storage:		Not reported

775 MERCHANT STREEET (Continued) **1014386591**

Manifest Broker: Not reported
Sub-Part P Indicator: No

Biennial: List of Years
Year: 2009

Click Here for Biennial Reporting System Data:

Hazardous Waste Summary:
Waste Code: D001
Waste Description: IGNITABLE WASTE

Waste Code: D018
Waste Description: BENZENE

Handler - Owner Operator:
Owner/Operator Indicator: Owner
Owner/Operator Name: LASCCO REALTY CO, LLC
Legal Status: Private
Date Became Current: 19950901
Date Ended Current: Not reported
Owner/Operator Address: 629 SOUTH CENTRAL AVENUE
Owner/Operator City,State,Zip: LOS ANGELES, CA 90021
Owner/Operator Telephone: 213-399-5432
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator
Owner/Operator Name: LASCCO REALTY CO LLC
Legal Status: Private
Date Became Current: 19950901
Date Ended Current: Not reported
Owner/Operator Address: Not reported
Owner/Operator City,State,Zip: Not reported
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:
Receive Date: 20100607
Handler Name: 775 MERCHANT STREEET
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

775 MERCHANT STREEET (Continued) **1014386591**

List of NAICS Codes and Descriptions:
NAICS Code: 311711
NAICS Description: SEAFOOD CANNING

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

AM227 **LASCO REALTY CO LLC** **UST** **U004307953**
WNW **775 MERCHANT ST** **N/A**
1/8-1/4 **LOS ANGELES, CA 90021**
0.241 mi.
1270 ft. **Site 4 of 5 in cluster AM**

Relative: LOS ANGELES UST:
Higher
Actual: Name: LASCO REALTY CO LLC
246 ft. Address: 775 MERCHANT ST
City,State,Zip: LOS ANGELES, CA 90021
Facility ID: FA0037498
Last Run Date: 11/01/2022
Status: INACTIVE

AM228 **LASCO REALTY CO LLC** **HAZMAT** **S123552143**
WNW **775 MERCHANT ST** **N/A**
1/8-1/4 **LOS ANGELES, CA 90021**
0.241 mi.
1270 ft. **Site 5 of 5 in cluster AM**

Relative: LOS ANGELES HM:
Higher
Actual: Name: LASCO REALTY CO LLC
246 ft. Address: 775 MERCHANT ST
City,State,Zip: LOS ANGELES, CA 90021
Facility ID: FA0037498
Last Run Date: 11/01/2022
Status: INACTIVE

AJ229 **DAVALAN SALES INC** **HAZMAT** **S123545299**
NNE **1320 E 6TH ST** **N/A**
1/8-1/4 **LOS ANGELES, CA 90021**
0.243 mi.
1283 ft. **Site 4 of 6 in cluster AJ**

Relative: LOS ANGELES HM:
Higher
Actual: Name: DAVALAN SALES INC
253 ft. Address: 1320 E 6TH ST
City,State,Zip: LOS ANGELES, CA 90021
Facility ID: FA0011526
Last Run Date: 11/01/2022
Status: INACTIVE

AK230 **UST** **U004300870**
South **1950-60 HUNTER ST** **N/A**
1/8-1/4 **LOS ANGELES, CA**
0.244 mi.
1288 ft. **Site 6 of 6 in cluster AK**

Relative: LOS ANGELES UST:
Lower
Actual: Name: Not reported
242 ft. Address: 1950-60 HUNTER ST
City,State,Zip: LOS ANGELES, CA
Facility ID: Not reported
Last Run Date: 01/01/1900
Status: HISTORICAL

AP231 **PAT & SONS POULTRY, INC** **HIST UST** **U001560895**
SW **927 NAOMI AVE** **N/A**
1/8-1/4 **LOS ANGELES, CA 90021**
0.247 mi.
1302 ft. **Site 1 of 3 in cluster AP**

Relative: HIST UST:
Lower
Actual: Name: PAT & SONS POULTRY, INC
240 ft. Address: 927 NAOMI AVE
City,State,Zip: LOS ANGELES, CA 90021
File Number: Not reported
URL: Not reported
Region: STATE
Facility ID: 00000000518
Facility Type: Other
Other Type: POULTRY PROCESSOR
Contact Name: CORKY BENNISH
Telephone: 2134859442
Owner Name: PAT & SONS POULTRY, INC
Owner Address: 927 NAOMI ST
Owner City,St,Zip: LOS ANGELES, CA 90021
Total Tanks: 0002

Tank Num: 001
Container Num: 1
Year Installed: 1978
Tank Capacity: 00010000
Tank Used for: PRODUCT
Type of Fuel: DIESEL
Container Construction Thickness: Not reported
Leak Detection: Stock Inventor

Tank Num: 002
Container Num: 2
Year Installed: Not reported
Tank Capacity: 00000000
Tank Used for: PRODUCT
Type of Fuel: UNLEADED
Container Construction Thickness: Not reported
Leak Detection: None

AP232
SW
1/8-1/4
0.247 mi.
1302 ft.

927 NAOMI AVE
LOS ANGELES, CA

Site 2 of 3 in cluster AP

Relative:
Lower

Actual:
240 ft.

UST **U004305044**
N/A

LOS ANGELES UST:

Name:	Not reported
Address:	927 NAOMI AVE
City,State,Zip:	LOS ANGELES, CA
Facility ID:	Not reported
Last Run Date:	01/01/1900
Status:	HISTORICAL

AP233
SW
1/8-1/4
0.247 mi.
1302 ft.

PAT & SONS POULTRY INC
927 N NAOMI ST
LOS ANGELES, CA 90021

Site 3 of 3 in cluster AP

SWEEPS UST **S101617246**
HIST UST **N/A**
CA FID UST

Relative:
Lower

Actual:
240 ft.

SWEEPS UST:

Name:	PAT & SONS POULTRY INC
Address:	927 N NAOMI ST
City:	LOS ANGELES
Status:	Not reported
Comp Number:	45
Number:	Not reported
Board Of Equalization:	44-010921
Referral Date:	Not reported
Action Date:	Not reported
Created Date:	Not reported
Owner Tank Id:	Not reported
SWRCB Tank Id:	19-050-000045-000001
Tank Status:	Not reported
Capacity:	10000
Active Date:	Not reported
Tank Use:	M.V. FUEL
STG:	PRODUCT
Content:	DIESEL
Number Of Tanks:	2

Name:	PAT & SONS POULTRY INC
Address:	927 N NAOMI ST
City:	LOS ANGELES
Status:	Not reported
Comp Number:	45
Number:	Not reported
Board Of Equalization:	44-010921
Referral Date:	Not reported
Action Date:	Not reported
Created Date:	Not reported
Owner Tank Id:	Not reported
SWRCB Tank Id:	19-050-000045-000002
Tank Status:	Not reported
Capacity:	Not reported
Active Date:	Not reported
Tank Use:	M.V. FUEL
STG:	PRODUCT
Content:	REG UNLEADED
Number Of Tanks:	Not reported

PAT & SONS POULTRY INC (Continued) **S101617246**

HIST UST:

Name:	PAT AND SONS POULTRY INC
Address:	927 NAOMI ST
City,State,Zip:	LOS ANGELES, CA 90021
File Number:	00027c25
URL:	https://documents.geotracker.waterboards.ca.gov/ustpdfs/pdf/00027c25.pdf
Region:	Not reported
Facility ID:	Not reported
Facility Type:	Not reported
Other Type:	Not reported
Contact Name:	Not reported
Telephone:	Not reported
Owner Name:	Not reported
Owner Address:	Not reported
Owner City,St,Zip:	Not reported
Total Tanks:	Not reported
Tank Num:	Not reported
Container Num:	Not reported
Year Installed:	Not reported
Tank Capacity:	Not reported
Tank Used for:	Not reported
Type of Fuel:	Not reported
Container Construction Thickness:	Not reported
Leak Detection:	Not reported

Click here for Geo Tracker PDF:

CA FID UST:

Facility ID:	19015481
Regulated By:	UTNKI
Regulated ID:	00000518
Cortese Code:	Not reported
SIC Code:	Not reported
Facility Phone:	2134859442
Mail To:	Not reported
Mailing Address:	P O BOX
Mailing Address 2:	Not reported
Mailing City,St,Zip:	LOS ANGELES 900210000
Contact:	Not reported
Contact Phone:	Not reported
DUNs Number:	Not reported
NPDES Number:	Not reported
EPA ID:	Not reported
Comments:	Not reported
Status:	Inactive

AJ234 **ALWAYS FRESH TRADING** **HAZMAT** **S123513747**
NNE **1338 E 6TH ST** **CERS** **N/A**
1/8-1/4 **LOS ANGELES, CA 90021**
0.247 mi.
1306 ft. **Site 5 of 6 in cluster AJ**

Relative:
Higher

Actual:
253 ft.

LOS ANGELES HM:

Name:	ALWAYS FRESH TRADING
Address:	1338 E 6TH ST
City,State,Zip:	LOS ANGELES, CA 90021
Facility ID:	FA0040526
Last Run Date:	11/01/2022
Status:	ACTIVE

CERS:

Name:	ALWAYS FRESH TRADING
Address:	1338 E 6TH ST
City,State,Zip:	LOS ANGELES, CA 90021
Site ID:	368967
CERS ID:	10669636
CERS Description:	Chemical Storage Facilities

Violations:

Site ID:	368967
Site Name:	Always Fresh Trading
Violation Date:	04-15-2022
Citation:	HSC 6.95 25508(a)(3) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(3)
Violation Description:	Failure to establish and/or electronically submit an adequate training program in safety procedures in the event of a release or threatened release of a hazardous material. *Verify agricultural handler exemption HSC 25507.1
Violation Notes:	Complete, implement and submit an Employee Training Plan in CERS. The CONSOLIDATED EMERGENCY RESPONSE / CONTINGENCY PLAN form can be used to satisfy both the Emergency Response Plan as well as the Employee Training Plan requirements. You can download the most current EMERGENCY RESPONSE / CONTINGENCY PLAN form at https://www.lafd.org/fire-prevention/cupa/hazardous-materials DURING THE INSPECTION NO CURRENT EMERGENCY RESPONSE PLAN HAD BEEN SUBMITTED.
Violation Division:	Los Angeles City Fire Department
Violation Program:	HMRRP
Violation Source:	CERS,

Site ID:	368967
Site Name:	Always Fresh Trading
Violation Date:	04-15-2022
Citation:	HSC 6.95 25508.2 - California Health and Safety Code, Chapter 6.95, Section(s) 25508.2
Violation Description:	Failure to annually review and electronically certify that the business plan is complete and accurate on or before the annual due date.
Violation Notes:	Electronically submit and certify in CERS that the Hazardous Materials Business Plan is complete, accurate, and in compliance with EPCRA on or before the annual due date. Submittals are due annually between January 1st and March 1st.
Violation Division:	Los Angeles City Fire Department
Violation Program:	HMRRP
Violation Source:	CERS,

ALWAYS FRESH TRADING (Continued) **S123513747**

Site ID:	368967
Site Name:	Always Fresh Trading
Violation Date:	04-14-2022
Citation:	HSC 6.95 25508(a)(3) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(3)
Violation Description:	Failure to establish and/or electronically submit an adequate training program in safety procedures in the event of a release or threatened release of a hazardous material. *Verify agricultural handler exemption HSC 25507.1
Violation Notes:	Complete, implement and submit an Employee Training Plan in CERS. The CONSOLIDATED EMERGENCY RESPONSE / CONTINGENCY PLAN form can be used to satisfy both the Emergency Response Plan as well as the Employee Training Plan requirements. You can download the most current EMERGENCY RESPONSE / CONTINGENCY PLAN form at https://www.lafd.org/fire-prevention/cupa/hazardous-materials SUBMIT EMERGENCY RESPONSE PLAN AND TRAINING PROGRAM EVERY YEAR BETWEEN JAN 1ST - MARCH 1ST. NO EMERGENCY RESPONSE PLAN /TRAINING PROGRAM WAS SUBMITTED.
Violation Division:	Los Angeles City Fire Department
Violation Program:	HMRRP
Violation Source:	CERS,

Site ID:	368967
Site Name:	Always Fresh Trading
Violation Date:	04-15-2022
Citation:	HSC 6.95 25508(a)(3) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(3)
Violation Description:	Failure to establish and electronically submit an adequate emergency response plan and procedures for a release or threatened release of a hazardous material.
Violation Notes:	The Emergency Response Plan is missing required elements. Please review the plan and complete the following missing and/or incorrect sections: EARTH QUAKE VULNERABILITY- H2,H9,10,H11 You can download the most current CONSOLIDATED EMERGENCY RESPONSE / CONTINGENCY PLAN form at https://www.lafd.org/fire-prevention/cupa/hazardous-materials
Violation Division:	Los Angeles City Fire Department
Violation Program:	HMRRP
Violation Source:	CERS,

Site ID:	368967
Site Name:	Always Fresh Trading
Violation Date:	04-15-2022
Citation:	HSC 6.95 25508(a)(3 - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(3
Violation Description:	Failure to report program data electronically.
Violation Notes:	Review, update and resubmit the Business Owner/Operator Identification page in CERS. Please correct the following: THE CERS OWNER LISTED IS SERENA LIU. THE CITY OF LOS ANGELES SHOWS THE OWNER AS ALWAYS FRESH TRADING INC. PLEASE MAKE THE APPROPRIATE CHANGES SO OWNERS NAME MATCHES BOTH CERS AND THE CITY OF LOS ANGELES.
Violation Division:	Los Angeles City Fire Department
Violation Program:	HMRRP
Violation Source:	CERS,

Site ID:	368967
Site Name:	Always Fresh Trading
Violation Date:	04-15-2022

ALWAYS FRESH TRADING (Continued) **S123513747**

Citation:	HSC 6.95 25505(a)(4) - California Health and Safety Code, Chapter 6.95, Section(s) 25505(a)(4)
Violation Description:	Failure to provide initial and annual training to all employees in safety procedures in the event of a release or threatened release of a hazardous material or failure to document and maintain training records for a minimum of three years.
Violation Notes:	Provide all employees with required annual training that includes: the safe handling of hazardous materials, emergency response procedures, and the proper use of response equipment. Maintain three years of annual training records on site. DURING THE INSPECTION NO TRAINING RECORDS WERE AVAILABLE TO REVIEW.
Violation Division:	Los Angeles City Fire Department
Violation Program:	HMRRP
Violation Source:	CERS,
Site ID:	368967
Site Name:	Always Fresh Trading
Violation Date:	04-14-2022
Citation:	HSC 6.95 25508(a)(3) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(3)
Violation Description:	Failure to establish and electronically submit an adequate emergency response plan and procedures for a release or threatened release of a hazardous material.
Violation Notes:	The Emergency Response Plan is missing required elements. Please review the plan and complete the following missing and/or incorrect sections: EARTH QUAKE VULNERABILITY H2,H9,10,H11 You can download the most current CONSOLIDATED EMERGENCY RESPONSE / CONTINGENCY PLAN form at https://www.lafd.org/fire-prevention/cupa/hazardous-materials
Violation Division:	Los Angeles City Fire Department
Violation Program:	HMRRP
Violation Source:	CERS,
Site ID:	368967
Site Name:	Always Fresh Trading
Violation Date:	04-14-2022
Citation:	HSC 6.95 25505(a)(4) - California Health and Safety Code, Chapter 6.95, Section(s) 25505(a)(4)
Violation Description:	Failure to provide initial and annual training to all employees in safety procedures in the event of a release or threatened release of a hazardous material or failure to document and maintain training records for a minimum of three years.
Violation Notes:	Provide all employees with required annual training that includes: the safe handling of hazardous materials, emergency response procedures, and the proper use of response equipment. Maintain three years of annual training records on site. NO TRAINING RECORDS WERE AVAILABLE AT THE TIME OF THIS INSPECTION.
Violation Division:	Los Angeles City Fire Department
Violation Program:	HMRRP
Violation Source:	CERS,
Site ID:	368967
Site Name:	Always Fresh Trading
Violation Date:	04-14-2022
Citation:	HSC 6.95 25508(a)(3 - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(3
Violation Description:	Failure to report program data electronically.
Violation Notes:	Review, update and resubmit the Business Owner/Operator Identification

ALWAYS FRESH TRADING (Continued) **S123513747**

page in CERS. Please correct the following: THE CERS OWNER LISTED IS SERENA LIU. THE CITY OF LOS ANGELES HAS THE OWNER LISTED AS ALWAYS FRESH TRADING INC. CORRECT THE OWNERSHIP TO MATCH.

Violation Division: Los Angeles City Fire Department
Violation Program: HMRRP
Violation Source: CERS,

Site ID: 368967
Site Name: Always Fresh Trading
Violation Date: 04-14-2022
Citation: HSC 6.95 25508.2 - California Health and Safety Code, Chapter 6.95, Section(s) 25508.2
Violation Description: Failure to annually review and electronically certify that the business plan is complete and accurate on or before the annual due date.
Violation Notes: Electronically submit and certify in CERS that the Hazardous Materials Business Plan is complete, accurate, and in compliance with EPCRA on or before the annual due date. Submittals are due annually between January 1st and March 1st.
Violation Division: Los Angeles City Fire Department
Violation Program: HMRRP
Violation Source: CERS,

Evaluation:
Eval General Type: Compliance Evaluation Inspection
Eval Date: 04-15-2022
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Consent to enter, inspect and take photographs was given by: SERENA LIU The Business Activities, Owner/Operator Identification, Hazardous Materials Inventory, Site Map, Emergency Response/Contingency Plan and Employee Training Plan sections were reviewed in CERS and field verified. Review and correct any violations indicated previously in this report, on or before the COMPLY BY date associated with each violation. NOTE: The LAMC, Sections (L.A.M.C. SECTION 57.105.1.4; 57.120.3; 57.121.2 and 57.121.2.1.) requires businesses that store, use or handle hazardous materials in the City of Los Angeles to obtain a Consolidated Permit from the Los Angeles Fire Department CUPA **** Annual submission of a Hazardous Materials Business Plan into California Environmental Reporting System (CERS) is required between January 1 and March 1 of every year. Per L.A.M.C. 57.121.3.5, failure to submit the required hazardous material business plan (HMBP) information annually into CERS [Truncated]
Eval Division: Los Angeles City Fire Department
Eval Program: HMRRP
Eval Source: CERS,

Coordinates:
Site ID: 368967
Facility Name: Always Fresh Trading
Env Int Type Code: HMBP
Program ID: 10669636
Coord Name: Not reported
Ref Point Type Desc: Center of a facility or station.,
Latitude: 34.037830
Longitude: -118.236400

ALWAYS FRESH TRADING (Continued) **S123513747**

Affiliation:

Affiliation Type Desc:	Environmental Contact
Entity Name:	Serena Liu
Entity Title:	Not reported
Affiliation Address:	1338 E 6th St.
Affiliation City:	Los Angeles
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	90021
Affiliation Phone:	.

Affiliation Type Desc:	Operator
Entity Name:	Serena Liu
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	(213) 622-8168,

Affiliation Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	Not reported
Affiliation Address:	1338 E 6th St.
Affiliation City:	Los Angeles
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	90021
Affiliation Phone:	.

Affiliation Type Desc:	Legal Owner
Entity Name:	Serena Liu
Entity Title:	Not reported
Affiliation Address:	1338 E 6th St.
Affiliation City:	Los Angeles
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	90021
Affiliation Phone:	(213) 622-8168,

Affiliation Type Desc:	Parent Corporation
Entity Name:	Always Fresh Trading
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	.

Affiliation Type Desc:	Identification Signer
Entity Name:	Serena Liu
Entity Title:	C.E.O.
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported

ALWAYS FRESH TRADING (Continued) **S123513747**

Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	.
Affiliation Type Desc:	CUPA District
Entity Name:	Los Angeles City Fire Department
Entity Title:	Not reported
Affiliation Address:	200 North Main Street, Room 1780
Affiliation City:	Los Angeles
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	90012
Affiliation Phone:	(213) 978-3680,
Affiliation Type Desc:	Document Preparer
Entity Name:	GORGEN SARIAN
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	.

AO235 **91442** **HIST UST** **U001560831**
WSW **1266 E OLYMPIC BLVD** **N/A**
1/8-1/4 **LOS ANGELES, CA 90021**
0.248 mi.
1309 ft. **Site 3 of 4 in cluster AO**

Relative: HIST UST:
Lower

Actual: Name:	91442
242 ft. Address:	1266 E OLYMPIC BLVD
City,State,Zip:	LOS ANGELES, CA 90021
File Number:	00026c76
URL:	https://documents.geotracker.waterboards.ca.gov/ustpdfs/pdf/00026c76.pdf
Region:	STATE
Facility ID:	00000062060
Facility Type:	Gas Station
Other Type:	Not reported
Contact Name:	APODACA,ABEL
Telephone:	2136224759
Owner Name:	CHEVRON U.S.A. INC.
Owner Address:	575 MARKET
Owner City,St,Zip:	SAN FRANCISCO, CA 94105
Total Tanks:	0005
Tank Num:	001
Container Num:	1
Year Installed:	1959
Tank Capacity:	00002000
Tank Used for:	PRODUCT
Type of Fuel:	Not reported
Container Construction Thickness:	0000170
Leak Detection:	Stock Inventor
Tank Num:	002

91442 (Continued) **U001560831**

Container Num:	2
Year Installed:	1959
Tank Capacity:	00004000
Tank Used for:	PRODUCT
Type of Fuel:	Not reported
Container Construction Thickness:	0000170
Leak Detection:	Stock Inventor
Tank Num:	003
Container Num:	3
Year Installed:	1959
Tank Capacity:	00004000
Tank Used for:	PRODUCT
Type of Fuel:	Not reported
Container Construction Thickness:	0000170
Leak Detection:	Stock Inventor
Tank Num:	004
Container Num:	4
Year Installed:	1965
Tank Capacity:	00007500
Tank Used for:	PRODUCT
Type of Fuel:	Not reported
Container Construction Thickness:	0000250
Leak Detection:	Stock Inventor
Tank Num:	005
Container Num:	5
Year Installed:	1959
Tank Capacity:	00000550
Tank Used for:	WASTE
Type of Fuel:	Not reported
Container Construction Thickness:	0000100
Leak Detection:	Stock Inventor

Click here for Geo Tracker PDF:

AO236 **CHEVRON STATION 91442** **SWEEPS UST** **S101584252**
WSW **1266 E OLYMPIC BLVD** **CA FID UST** **N/A**
1/8-1/4 **LOS ANGELES, CA 90021**
0.248 mi.
1309 ft. **Site 4 of 4 in cluster AO**

Relative: **Lower**
Actual: **242 ft.**

SWEEPS UST:

Name:	CHEVRON STATION 91442
Address:	1266 E OLYMPIC BLVD
City:	LOS ANGELES
Status:	Not reported
Comp Number:	3498
Number:	Not reported
Board Of Equalization:	44-013044
Referral Date:	Not reported
Action Date:	Not reported
Created Date:	Not reported
Owner Tank Id:	Not reported
SWRCB Tank Id:	19-050-003498-000001
Tank Status:	Not reported
Capacity:	2000

CHEVRON STATION 91442 (Continued) **S101584252**

Active Date:	Not reported
Tank Use:	CHEMICAL
STG:	PRODUCT
Content:	UNKNOWN
Number Of Tanks:	5

Name:	CHEVRON STATION 91442
Address:	1266 E OLYMPIC BLVD
City:	LOS ANGELES
Status:	Not reported
Comp Number:	3498
Number:	Not reported
Board Of Equalization:	44-013044
Referral Date:	Not reported
Action Date:	Not reported
Created Date:	Not reported
Owner Tank Id:	Not reported
SWRCB Tank Id:	19-050-003498-000002
Tank Status:	Not reported
Capacity:	4000
Active Date:	Not reported
Tank Use:	CHEMICAL
STG:	PRODUCT
Content:	UNKNOWN
Number Of Tanks:	Not reported

Name:	CHEVRON STATION 91442
Address:	1266 E OLYMPIC BLVD
City:	LOS ANGELES
Status:	Not reported
Comp Number:	3498
Number:	Not reported
Board Of Equalization:	44-013044
Referral Date:	Not reported
Action Date:	Not reported
Created Date:	Not reported
Owner Tank Id:	Not reported
SWRCB Tank Id:	19-050-003498-000003
Tank Status:	Not reported
Capacity:	4000
Active Date:	Not reported
Tank Use:	CHEMICAL
STG:	PRODUCT
Content:	UNKNOWN
Number Of Tanks:	Not reported

Name:	CHEVRON STATION 91442
Address:	1266 E OLYMPIC BLVD
City:	LOS ANGELES
Status:	Not reported
Comp Number:	3498
Number:	Not reported
Board Of Equalization:	44-013044
Referral Date:	Not reported
Action Date:	Not reported
Created Date:	Not reported
Owner Tank Id:	Not reported

CHEVRON STATION 91442 (Continued) **S101584252**

SWRCB Tank Id: 19-050-003498-000004
Tank Status: Not reported
Capacity: 7500
Active Date: Not reported
Tank Use: CHEMICAL
STG: PRODUCT
Content: UNKNOWN
Number Of Tanks: Not reported

Name: CHEVRON STATION 91442
Address: 1266 E OLYMPIC BLVD
City: LOS ANGELES
Status: Not reported
Comp Number: 3498
Number: Not reported
Board Of Equalization: 44-013044
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 19-050-003498-000005
Tank Status: Not reported
Capacity: 550
Active Date: Not reported
Tank Use: CHEMICAL
STG: PRODUCT
Content: UNKNOWN
Number Of Tanks: Not reported

CA FID UST:
Facility ID: 19009945
Regulated By: UTNKI
Regulated ID: 00062060
Cortese Code: Not reported
SIC Code: Not reported
Facility Phone: 2136221171
Mail To: Not reported
Mailing Address: 575 MARKET ST
Mailing Address 2: Not reported
Mailing City,St,Zip: LOS ANGELES 900210000
Contact: Not reported
Contact Phone: Not reported
DUNs Number: Not reported
NPDES Number: Not reported
EPA ID: Not reported
Comments: Not reported
Status: Inactive

AJ237 **KC PRODUCE** **HAZMAT** **S123516911**
NNE **1336 E 6TH ST** **CERS** **N/A**
1/8-1/4 **LOS ANGELES, CA 90021**
0.249 mi.
1315 ft. **Site 6 of 6 in cluster AJ**

Relative:
Higher

Actual:
253 ft.

LOS ANGELES HM:

Name:	KC PRODUCE
Address:	1336 E 6TH ST
City,State,Zip:	LOS ANGELES, CA 90021
Facility ID:	FA0037726
Last Run Date:	11/01/2022
Status:	ACTIVE
Name:	KC PRODUCE
Address:	1336 E 6TH ST
City,State,Zip:	LOS ANGELES, CA 90021
Facility ID:	FA0037726
Last Run Date:	11/01/2022
Status:	INACTIVE

CERS:

Name:	K.C. PRODUCE
Address:	1336 E 6TH ST
City,State,Zip:	LOS ANGELES, CA 90021
Site ID:	40918
CERS ID:	10261786
CERS Description:	Chemical Storage Facilities

Violations:

Site ID:	40918
Site Name:	K.C. PRODUCE
Violation Date:	04-05-2016
Citation:	HSC 6.95 25507 - California Health and Safety Code, Chapter 6.95, Section(s) 25507
Violation Description:	Failure to adequately establish and implement a business plan when storing/handling a hazardous material at or above reportable quantities.
Violation Notes:	Returned to compliance on 04/23/2019.
Violation Division:	Los Angeles City Fire Department
Violation Program:	HMRRP
Violation Source:	CERS.
Site ID:	40918
Site Name:	K.C. PRODUCE
Violation Date:	04-05-2016
Citation:	19 CCR 6.95 25508(a)(1) - California Code of Regulations, Title 19, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description:	Failure to complete and electronically submit the Business Activities Page and/or Business Owner Operator Identification Page.
Violation Notes:	Returned to compliance on 04/23/2019.
Violation Division:	Los Angeles City Fire Department
Violation Program:	HMRRP
Violation Source:	CERS.
Site ID:	40918
Site Name:	K.C. PRODUCE
Violation Date:	04-05-2016
Citation:	HSC 6.95 25505.1 - California Health and Safety Code, Chapter 6.95,

KC PRODUCE (Continued) **S123516911**

	Section(s) 25505.1
Violation Description:	Failure to provide a copy of the business plan to the owner or the owner's agent within five working days after receiving a request for a copy from the owner or the owner's agent.
Violation Notes:	Returned to compliance on 04/23/2019.
Violation Division:	Los Angeles City Fire Department
Violation Program:	HMRRP
Violation Source:	CERS,
Site ID:	40918
Site Name:	K.C. PRODUCE
Violation Date:	04-05-2016
Citation:	HSC 6.95 25508.2 - California Health and Safety Code, Chapter 6.95, Section(s) 25508.2
Violation Description:	Failure to annually review and electronically certify that the business plan is complete, accurate, and up-to-date.
Violation Notes:	Returned to compliance on 04/23/2019.
Violation Division:	Los Angeles City Fire Department
Violation Program:	HMRRP
Violation Source:	CERS,
Site ID:	40918
Site Name:	K.C. PRODUCE
Violation Date:	04-05-2016
Citation:	HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description:	Failure to complete and electronically submit hazardous material inventory information for all reportable hazardous materials on site at or above reportable quantities.
Violation Notes:	Returned to compliance on 04/23/2019.
Violation Division:	Los Angeles City Fire Department
Violation Program:	HMRRP
Violation Source:	CERS,
Site ID:	40918
Site Name:	K.C. PRODUCE
Violation Date:	04-05-2016
Citation:	HSC 6.95 25505(a)(4) - California Health and Safety Code, Chapter 6.95, Section(s) 25505(a)(4)
Violation Description:	Failure to provide initial and annual training to all employees in safety procedures in the event of a release or threatened release of a hazardous material or failure to document and maintain training records for a minimum of three years.
Violation Notes:	Returned to compliance on 04/23/2019.
Violation Division:	Los Angeles City Fire Department
Violation Program:	HMRRP
Violation Source:	CERS,
Site ID:	40918
Site Name:	K.C. PRODUCE
Violation Date:	04-05-2016
Citation:	HSC 6.95 25508.1(a)-(e) - California Health and Safety Code, Chapter 6.95, Section(s) 25508.1(a)-(e)
Violation Description:	Failure to electronically update business plan within 30 days of any one of the following events: A 100 percent or more increase in the quantity of a previously disclosed material. Any handling of a previously undisclosed hazardous materials at or above reportable

KC PRODUCE (Continued) **S123516911**

quantities. A change of business address, business ownership, or business name.
Violation Notes: Returned to compliance on 04/23/2019.
Violation Division: Los Angeles City Fire Department
Violation Program: HMRRP
Violation Source: CERS,

Site ID: 40918
Site Name: K.C. PRODUCE
Violation Date: 04-05-2016
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description: Failure to complete and electronically submit a site map with all required content.
Violation Notes: Returned to compliance on 04/23/2019.
Violation Division: Los Angeles City Fire Department
Violation Program: HMRRP
Violation Source: CERS,

Site ID: 40918
Site Name: K.C. PRODUCE
Violation Date: 04-05-2016
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description: Failure to establish and electronically submit an adequate training program in safety procedures in the event of a release or threatened release of a hazardous material.
Violation Notes: Returned to compliance on 04/23/2019.
Violation Division: Los Angeles City Fire Department
Violation Program: HMRRP
Violation Source: CERS,

Site ID: 40918
Site Name: K.C. PRODUCE
Violation Date: 04-05-2016
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description: Failure to establish and electronically submit an adequate emergency response plan and procedures for a release or threatened release of a hazardous material.
Violation Notes: Returned to compliance on 04/23/2019.
Violation Division: Los Angeles City Fire Department
Violation Program: HMRRP
Violation Source: CERS,

Site ID: 40918
Site Name: K.C. PRODUCE
Violation Date: 04-05-2016
Citation: HSC 6.95 25508.1(f) - California Health and Safety Code, Chapter 6.95, Section(s) 25508.1(f)
Violation Description: Failure to electronically update the business plan within 30 days of a substantial change.
Violation Notes: Returned to compliance on 04/23/2019.
Violation Division: Los Angeles City Fire Department
Violation Program: HMRRP
Violation Source: CERS,

KC PRODUCE (Continued) **S123516911**

Site ID: 40918
Site Name: K.C. PRODUCE
Violation Date: 04-05-2016
Citation: HSC 6.95 25508(d) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(d)
Violation Description: Failure to complete and/or electronically submit a business plan when storing/handling a hazardous material at or above reportable quantities.
Violation Notes: Returned to compliance on 04/23/2019.
Violation Division: Los Angeles City Fire Department
Violation Program: HMRRP
Violation Source: CERS,

Site ID: 40918
Site Name: K.C. PRODUCE
Violation Date: 04-05-2016
Citation: HSC 6.95 25505.1 - California Health and Safety Code, Chapter 6.95, Section(s) 25505.1
Violation Description: Failure to notify property owner in writing that the business is subject to the business plan program and has complied with its provisions.
Violation Notes: Returned to compliance on 04/23/2019.
Violation Division: Los Angeles City Fire Department
Violation Program: HMRRP
Violation Source: CERS,

Evaluation:
Eval General Type: Compliance Evaluation Inspection
Eval Date: 04-25-2022
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Los Angeles City Fire Department
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 04-05-2016
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: On site for routine hazardous materials and business emergency plan inspection. Consent to enter and inspect was given by (Serena Liu). Observed the facility and inspected hazardous materials storage. Annual employee safety training records were not maintained. Facility has also not electronically disclosed the onsite hazardous materials inventory or submitted a business emergency plan in California Environmental Reporting System (CERS). Please go to https://cersbusiness2.calepa.ca.gov to complete a chemical inventory disclosure and business emergency plan. The facility is responsible for identifying all hazardous materials, to include hazardous wastes, which are above disclosure thresholds. If there is a change in the type or amount of chemicals that are maintained on site, please submit revised documents (electronically) within 30 days of the change.
Eval Division: Los Angeles City Fire Department
Eval Program: HMRRP
Eval Source: CERS,

KC PRODUCE (Continued) **S123516911**

Eval General Type: Compliance Evaluation Inspection
Eval Date: 04-19-2019
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: INSPECTION REPORT BASED ON CERS SUBMITTAL ONLY. BUSINESS CLOSED AT TIME OF LAFD ARRIVAL. PLEASE REPLY TO THIS CORRESPONDENCE IN ORDER TO ARRANGE A PHYSICAL APPOINTMENT. The Business Activities, Owner/Operator Identification, Hazardous Materials Inventory, Site Map, Emergency Response/Contingency Plan and Employee Training Plan sections were reviewed in CERS and field verified. Review and correct any violations indicated previously in this report, on or before the COMPLY BY date associated with each violation. NOTE: The LAMC, Sections (L.A.M.C. SECTION 57.105.1.4; 57.120.3; 57.121.2 and 57.121.2.1.) requires businesses that store, use or handle hazardous materials in the City of Los Angeles to obtain a Consolidated Permit from the Los Angeles Fire Department CUPA **** Annual submission of a Hazardous Materials Business Plan into CERS is required between January 1 and March 1 of every year. Please remember that any change in inventory of greater than 100 percent will [Truncated]
Eval Division: Los Angeles City Fire Department
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 04-24-2019
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: "Consent to enter, inspect and take photographs was given by: Tony Van The Business Activities, Owner/Operator Identification, Hazardous Materials Inventory, Site Map, Emergency Response/Contingency Plan and Employee Training Plan sections were reviewed in CERS and field verified. Review and correct any violations indicated previously in this report, on or before the COMPLY BY date associated with each violation. NOTE: The LAMC, Sections (L.A.M.C. SECTION 57.105.1.4; 57.120.3; 57.121.2 and 57.121.2.1.) requires businesses that store, use or handle hazardous materials in the City of Los Angeles to obtain a Consolidated Permit from the Los Angeles Fire Department CUPA **** Annual submission of a Hazardous Materials Business Plan into CERS is required between January 1 and March 1 of every year. Please remember that any change in inventory of greater than 100 percent will require new submission within 30 days of that change. As a reminder, you must complete all the [Truncated]
Eval Division: Los Angeles City Fire Department
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 04-26-2022
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Consent to enter, inspect and take photographs was given by: TONY VAN The Business Activities, Owner/Operator Identification, Hazardous Materials Inventory, Site Map, Emergency Response/Contingency Plan and Employee Training Plan sections were reviewed in CERS and field verified. Review and correct any violations indicated previously in this report, on or before the COMPLY BY date associated with each violation. NOTE: The LAMC, Sections (L.A.M.C. SECTION 57.105.1.4;

KC PRODUCE (Continued) **S123516911**

57.120.3; 57.121.2 and 57.121.2.1.) requires businesses that store, use or handle hazardous materials in the City of Los Angeles to obtain a Consolidated Permit from the Los Angeles Fire Department CUPA **** Annual submission of a Hazardous Materials Business Plan into California Environmental Reporting System (CERS) is required between January 1 and March 1 of every year. Per L.A.M.C. 57.121.3.5, failure to submit the required hazardous material business plan (HMBP) information annually into CERS [Truncated]

Eval Division: Los Angeles City Fire Department
Eval Program: HMRRP
Eval Source: CERS,

Coordinates:
Site ID: 40918
Facility Name: K.C. PRODUCE
Env Int Type Code: HMBP
Program ID: 10261786
Coord Name: Not reported
Ref Point Type Desc: Center of a facility or station.,
Latitude: 34.038190
Longitude: -118.234720

Affiliation:
Affiliation Type Desc: Facility Mailing Address
Entity Name: Mailing Address
Entity Title: Not reported
Affiliation Address: 1336 E 6TH ST
Affiliation City: LOS ANGELES
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 90021
Affiliation Phone: .

Affiliation Type Desc: Identification Signer
Entity Name: SYDNEY VAN
Entity Title: MANGER
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: .

Affiliation Type Desc: Operator
Entity Name: tony van
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: (213) 550-6428,

Affiliation Type Desc: Parent Corporation
Entity Name: KC PRODUCE CORP
Entity Title: Not reported

KC PRODUCE (Continued) **S123516911**

Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: .

Affiliation Type Desc: Property Owner
Entity Name: Always Fresh Trading
Entity Title: Not reported
Affiliation Address: 1336 E 6TH ST
Affiliation City: LOS ANGELES
Affiliation State: CA
Affiliation Country: United States
Affiliation Zip: 90021
Affiliation Phone: (213) 622-8168,

Affiliation Type Desc: CUPA District
Entity Name: Los Angeles City Fire Department
Entity Title: Not reported
Affiliation Address: 200 North Main Street, Room 1780
Affiliation City: Los Angeles
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 90012
Affiliation Phone: (213) 978-3680,

Affiliation Type Desc: Document Preparer
Entity Name: GORGEN SARIAN
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: .

Affiliation Type Desc: Environmental Contact
Entity Name: tony van
Entity Title: Not reported
Affiliation Address: 1336 E 6TH ST
Affiliation City: LOS ANGELES
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 90021
Affiliation Phone: .

Affiliation Type Desc: Legal Owner
Entity Name: KC PRODUCE CORP.
Entity Title: Not reported
Affiliation Address: 1336 E 6TH ST
Affiliation City: LOS ANGELES
Affiliation State: CA
Affiliation Country: United States
Affiliation Zip: 90021
Affiliation Phone: (213) 550-6428,

238
South
1/8-1/4
0.250 mi.
1318 ft.

2000 HUNTER ST
LOS ANGELES, CA

UST **U004300914**
N/A

Relative:
Lower

Actual:
241 ft.

LOS ANGELES UST:

Name:	Not reported
Address:	2000 HUNTER ST
City,State,Zip:	LOS ANGELES, CA
Facility ID:	Not reported
Last Run Date:	01/01/1900
Status:	HISTORICAL

AE239
North
1/4-1/2
0.258 mi.
1364 ft.

SITE 1 WEST - BRIDGE PROJECT
580 SOUTH ALAMEDA STREET
LOS ANGELES, CA 90013

Site 11 of 11 in cluster AE

US BROWNFIELDS **1016679951**
N/A

Relative:
Higher

Actual:
253 ft.

US BROWNFIELDS:

Name:	SITE 1 WEST - BRIDGE PROJECT
Address:	580 SOUTH ALAMEDA STREET
City,State,Zip:	LOS ANGELES, CA 90013
Recipient Name:	Los Angeles, City of
Grant Type:	Assessment
Property Number:	-
Parcel size:	0.5
Latitude:	34.038839
Longitude:	-118.238163
HCM Label:	-
Map Scale:	-
Point of Reference:	-
Highlights:	-
Datum:	World Geodetic System of 1984
Acres Property ID:	167382
IC Data Access:	-
Start Date:	-
Redev Completition Date:	-
Completed Date:	-
Acres Cleaned Up:	-
Cleanup Funding:	-
Cleanup Funding Source:	-
Assessment Funding:	6905
Assessment Funding Source:	EPA
Redevelopment Funding:	-
Redev. Funding Source:	-
Redev. Funding Entity Name:	-
Redevelopment Start Date:	-
Assessment Funding Entity:	US EPA - Brownfields Assessment Cooperative Agreement
Cleanup Funding Entity:	-
Grant Type:	Petroleum
Accomplishment Type:	Phase I Environmental Assessment
Accomplishment Count:	Y
Cooperative Agreement Number:	96934601
Start Date:	10/22/2013
Ownership Entity:	-
Completion Date:	10/22/2013
Current Owner:	-
Did Owner Change:	-

SITE 1 WEST - BRIDGE PROJECT (Continued) **1016679951**

Cleanup Required:	U
Video Available:	-
Photo Available:	-
Institutional Controls Required:	U
IC Category Proprietary Controls:	-
IC Cat. Info. Devices:	-
IC Cat. Gov. Controls:	-
IC Cat. Enforcement Permit Tools:	-
IC in place date:	-
IC in place:	-
State/tribal program date:	-
State/tribal program ID:	-
State/tribal NFA date:	-
Air cleaned:	-
Asbestos found:	-
Asbestos cleaned:	-
Controled substance found:	-
Controled substance cleaned:	-
Drinking water affected:	-
Drinking water cleaned:	-
Groundwater affected:	-
Groundwater cleaned:	-
Lead contaminant found:	-
Lead cleaned up:	-
No media affected:	-
Unknown media affected:	-
Other cleaned up:	-
Other metals found:	-
Other metals cleaned:	-
Other contaminants found:	-
Other contams found description:	-
PAHs found:	-
PAHs cleaned up:	-
PCBs found:	-
PCBs cleaned up:	-
Petro products found:	-
Petro products cleaned:	-
Sediments found:	-
Sediments cleaned:	-
Soil affected:	-
Soil cleaned up:	-
Surface water cleaned:	-
VOCs found:	-
VOCs cleaned:	-
Cleanup other description:	-
Num. of cleanup and re-dev. jobs:	-
Past use greenspace acreage:	-
Past use residential acreage:	-
Surface Water:	-
Past use commercial acreage:	-
Past use industrial acreage:	-
Future use greenspace acreage:	-
Future use residential acreage:	-
Future use commercial acreage:	-
Future use industrial acreage:	-
Superfund Fed. landowner flag:	-
Arsenic cleaned up:	-

SITE 1 WEST - BRIDGE PROJECT (Continued) **1016679951**

Cadmium cleaned up:	-
Chromium cleaned up:	-
Copper cleaned up:	-
Iron cleaned up:	-
mercury cleaned up:	-
Nickel Cleaned Up:	-
No clean up:	-
Pesticides cleaned up:	-
Selenium cleaned up:	-
SVOCs cleaned up:	-
Unknown clean up:	-
Arsenic contaminant found:	-
Cadmium contaminant found:	-
Chromium contaminant found:	-
Copper contaminant found:	-
Iron contaminant found:	-
Mercury contaminant found:	-
Nickel contaminant found:	-
No contaminant found:	-
Pesticides contaminant found:	-
Selenium contaminant found:	-
SVOCs contaminant found:	-
Unknown contaminant found:	-
Future Use: Multistory	-
Media affected Bluiding Material:	-
Media affected indoor air:	-
Building material media cleaned up:	-
Indoor air media cleaned up:	-
Unknown media cleaned up:	-
Past Use: Multistory	-
Property Description:	-
Below Poverty Number:	1605
Below Poverty Percent:	51
Meidan Income:	3183
Meidan Income Number:	2249
Meidan Income Percent:	71.46
Vacant Housing Number:	343
Vacant Housing Percent:	16.59
Unemployed Number:	267
Unemployed Percent:	8.48

240
WSW
1/4-1/2
0.279 mi.
1474 ft.

CHRIS RECYCLING
1024 S CENTRAL AVE
LOS ANGELES, CA 90021

SWRCY **S110071960**
NPDES **N/A**

Relative:
Lower

Actual:
241 ft.

SWRCY:

Name:	CHRIS RECYCLING
Address:	1024 S CENTRAL AVE
City,State,Zip:	LOS ANGELES, CA 90021
Reg Id:	47524
Cert Id:	RC14643
Mailing Address:	3042 Nebraska Ave Apt B
Mailing City:	South Gate
Mailing State:	CA
Mailing Zip Code:	90280
Website:	Not reported

CHRIS RECYCLING (Continued) **S110071960**

Email:	mayratostado189@icloud.com
Phone Number:	(323) 313-8464
Rural:	N
Operation Begin Date:	12/08/2009
Aluminium:	Y
Glass:	Y
Plastic:	Y
Bimetal:	Y
Hours of Operation:	Mon - Sat 8:00 am - 5:00 pm, Closed 12:00 pm - 1:00 pm; Sun 8:00 am - 2:00 pm, Closed 10:00 am - 11:00 am
Organization ID:	47519
Organization Name:	Chris Recycling

NPDES:

Name:	CHRIS RECYCLING
Address:	1024 S CENTRAL AVE
City,State,Zip:	LOS ANGELES, CA 90021
Facility Status:	Not reported
NPDES Number:	Not reported
Region:	Not reported
Agency Number:	Not reported
Regulatory Measure ID:	Not reported
Place ID:	Not reported
Order Number:	Not reported
WDID:	4 19IN602779
Regulatory Measure Type:	Industrial
Program Type:	Not reported
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Discharge Address:	Not reported
Discharge Name:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
Status:	No Action Required
Status Date:	02/04/2015
Operator Name:	Not available - Nonfiler Organization
Operator Address:	Not reported
Operator City:	Not reported
Operator State:	Not reported
Operator Zip:	Not reported

241
ESE
1/4-1/2
0.300 mi.
1586 ft.

RANCHO ROBLES PROPERTIES INC
1910 BAY ST
LOS ANGELES, CA 90021

CPS-SLIC **S113172203**
HAZNET **N/A**
CERS
HWTS

Relative:
Lower

Actual:
244 ft.

CPS-SLIC:

Name:	1910-1914 BAY STREET AND 1901 SACRAMENTO STREET PROPERTIES
Address:	1910 BAY STREET
City,State,Zip:	LOS ANGELES, CA 90021
Region:	STATE
Facility Status:	**Open - Assessment & Interim Remedial Action**
Status Date:	10/09/2017

RANCHO ROBLES PROPERTIES INC (Continued) **S113172203**

Global Id:	T10000011015
Lead Agency:	LOS ANGELES RWQCB (REGION 4)
Lead Agency Case Number:	Not reported
Latitude:	34.03123
Longitude:	-118.23381
Case Type:	Cleanup Program Site
Case Worker:	KL
Local Agency:	Not reported
RB Case Number:	1412
File Location:	Not reported
Potential Media Affected:	Not reported
Potential Contaminants of Concern:	Not reported
Site History:	Not reported

Click here to access the California GeoTracker records for this facility:

HAZNET:

Name:	RANCHO ROBLES PROPERTIES INC
Address:	1910 BAY ST
Address 2:	Not reported
City,State,Zip:	LOS ANGELES, CA 900211605
Contact:	--
Telephone:	--
Mailing Name:	Not reported
Mailing Address:	--
Year:	1994
Gepaid:	CAP400480494
TSD EPA ID:	CAD000088252
CA Waste Code:	611 - Contaminated soil from site clean-up
Disposal Method:	H01 - Transfer Station
Tons:	3.05
Year:	1994
Gepaid:	CAP400480494
TSD EPA ID:	CAD000088252
CA Waste Code:	135 - Unspecified aqueous solution
Disposal Method:	H01 - Transfer Station
Tons:	0.125

Additional Info:

Year:	1994
Gen EPA ID:	CAP400480494
Shipment Date:	19940513
Creation Date:	3/25/1996 0:00:00
Receipt Date:	19940513
Manifest ID:	93259516
Trans EPA ID:	CAD009661844
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD000088252
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported

RANCHO ROBLES PROPERTIES INC (Continued) **S113172203**

TSDF Alt Name:	Not reported
Waste Code Description:	135 - Unspecified aqueous solution
RCRA Code:	Not reported
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.125
Waste Quantity:	250
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19940513
Creation Date:	3/25/1996 0:00:00
Receipt Date:	19940513
Manifest ID:	93259516
Trans EPA ID:	CAD009661844
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD000088252
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	611 - Contaminated soil from site clean-ups
RCRA Code:	Not reported
Meth Code:	H01 - Transfer Station
Quantity Tons:	3.05
Waste Quantity:	6100
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

CERS:

Name:	1910-1914 BAY STREET AND 1901 SACRAMENTO STREET PROPERTIES
Address:	1910 BAY STREET
City,State,Zip:	LOS ANGELES, CA 90021
Site ID:	427589
CERS ID:	T10000011015
CERS Description:	Cleanup Program Site

Affiliation:

Affiliation Type Desc:	Regional Board Caseworker
Entity Name:	KEVIN LIN - LOS ANGELES RWQCB (REGION 4)
Entity Title:	Not reported
Affiliation Address:	340 W 4th St, Ste 200
Affiliation City:	LOS ANGELES
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	2135766781,

RANCHO ROBLES PROPERTIES INC (Continued) **S113172203**

HWTS:

Name:	RANCHO ROBLES PROPERTIES INC
Address:	1910 BAY ST
Address 2:	Not reported
City,State,Zip:	LOS ANGELES, CA 90021
EPA ID:	CAP400480494
Inactive Date:	12/21/2000
Create Date:	05/13/1998
Last Act Date:	Not reported
Mailing Name:	Not reported
Mailing Address:	Not reported
Mailing Address 2:	Not reported
Mailing City,State,Zip:	0
Owner Name:	Not reported
Owner Address:	Not reported
Owner Address 2:	Not reported
Owner City,State,Zip:	Not reported
Contact Name:	Not reported
Contact Address:	Not reported
Contact Address 2:	Not reported
City,State,Zip:	Not reported
Facility Status:	Inactive
Facility Type:	TEMPORARY
Category:	FEDERAL
Latitude:	34.031484
Longitude:	-118.23396

242
North
1/4-1/2
0.305 mi.
1612 ft.

Relative:
Higher

Actual:
254 ft.

ZIMMERMAN DEVELOPMENT **CPS-SLIC S103878823**
560 ALAMEDA **CERS N/A**
LOS ANGELES, CA 90013

SLIC REG 4:

Region:	4
Facility Status:	No further action required
SLIC:	0865
Substance:	TPH
Staff:	John Geroch

CPS-SLIC:

Name:	ZIMMERMAN DEVELOPMENT INC
Address:	560 SOUTH ALAMEDA ST
City,State,Zip:	LOS ANGELES, CA
Region:	STATE
Facility Status:	**Completed - Case Closed**
Status Date:	09/23/1999
Global Id:	SL2046K1651
Lead Agency:	LOS ANGELES RWQCB (REGION 4)
Lead Agency Case Number:	Not reported
Latitude:	34.053261
Longitude:	-118.237061
Case Type:	Cleanup Program Site
Case Worker:	Not reported
Local Agency:	Not reported
RB Case Number:	0865
File Location:	Not reported

ZIMMERMAN DEVELOPMENT (Continued) **S103878823**

Potential Media Affected: Not reported
Potential Contaminants of Concern: Not reported
Site History: Not reported

Click here to access the California GeoTracker records for this facility:

CERS:
Name: ZIMMERMAN DEVELOPMENT INC
Address: 560 SOUTH ALAMEDA ST
City,State,Zip: LOS ANGELES, CA
Site ID: 248932
CERS ID: SL2046K1651
CERS Description: Cleanup Program Site

243
ENE
1/4-1/2
0.312 mi.
1648 ft.

EXXON #7-8407 (FORMER)
1935 007TH ST E
LOS ANGELES, CA 90021

LUST **S101297428**
Cortese **N/A**
HIST CORTESE
CERS

Relative:
Higher

Actual:
248 ft.

LUST:
Name: EXXON #7-8407 (FORMER)
Address: 1935 007TH ST E
City,State,Zip: LOS ANGELES, CA 90021
Lead Agency: LOS ANGELES RWQCB (REGION 4)
Case Type: LUST Cleanup Site
Geo Track: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0603700643
Global Id: T0603700643
Latitude: 34.0347117
Longitude: -118.2333546
Status: Completed - Case Closed
Status Date: 01/23/1997
Case Worker: YR
RB Case Number: 900210034
Local Agency: LOS ANGELES, CITY OF
File Location: Not reported
Local Case Number: Not reported
Potential Media Affect: Aquifer used for drinking water supply
Potential Contaminants of Concern: Gasoline
Site History: Not reported

LUST:
Global Id: T0603700643
Contact Type: Local Agency Caseworker
Contact Name: ELOY LUNA
Organization Name: LOS ANGELES, CITY OF
Address: 200 North Main Street, Suite 1780
City: LOS ANGELES
Email: eloy.luna@lacity.org
Phone Number: Not reported

Global Id: T0603700643
Contact Type: Regional Board Caseworker
Contact Name: YUE RONG
Organization Name: LOS ANGELES RWQCB (REGION 4)
Address: 320 W. 4TH ST., SUITE 200
City: Los Angeles
Email: yrong@waterboards.ca.gov

EXXON #7-8407 (FORMER) (Continued) **S101297428**

Phone Number: Not reported

LUST:
Global Id: T0603700643
Action Type: ENFORCEMENT
Date: 01/23/1997
Action: Closure/No Further Action Letter

Global Id: T0603700643
Action Type: Other
Date: 08/24/1987
Action: Leak Reported

LUST:
Global Id: T0603700643
Status: Open - Case Begin Date
Status Date: 08/24/1987

Global Id: T0603700643
Status: Open - Site Assessment
Status Date: 02/07/1992

Global Id: T0603700643
Status: Open - Site Assessment
Status Date: 07/29/1995

Global Id: T0603700643
Status: Completed - Case Closed
Status Date: 01/23/1997

LUST REG 4:
Region: 4
Regional Board: 04
County: Los Angeles
Facility Id: 900210034
Status: Case Closed
Substance: Gasoline
Substance Quantity: Not reported
Local Case No: Not reported
Case Type: Groundwater
Abatement Method Used at the Site: Not reported
Global ID: T0603700643
W Global ID: W0605100582
Staff: UNK
Local Agency: 19050
Cross Street: MATEO
Enforcement Type: Not reported
Date Leak Discovered: Not reported
Date Leak First Reported: 8/24/1987
Date Leak Record Entered: 6/15/1988
Date Confirmation Began: Not reported
Date Leak Stopped: Not reported
Date Case Last Changed on Database: 7/28/1997
Date the Case was Closed: 1/23/1997
How Leak Discovered: Not reported

EXXON #7-8407 (FORMER) (Continued) **S101297428**

How Leak Stopped:	Not reported
Cause of Leak:	Not reported
Leak Source:	Not reported
Operator:	Not reported
Water System:	YMCA CAMP OF LOS ANGELES 2
Well Name:	Not reported
Approx. Dist To Production Well (ft):	6685.871713933827587313654075
Source of Cleanup Funding:	Not reported
Preliminary Site Assessment Workplan Submitted:	Not reported
Preliminary Site Assessment Began:	2/7/1992
Pollution Characterization Began:	7/29/1995
Remediation Plan Submitted:	Not reported
Remedial Action Underway:	Not reported
Post Remedial Action Monitoring Began:	Not reported
Enforcement Action Date:	Not reported
Historical Max MTBE Date:	1/1/1965
Hist Max MTBE Conc in Groundwater:	10
Hist Max MTBE Conc in Soil:	Not reported
Significant Interim Remedial Action Taken:	Not reported
GW Qualifier:	Not reported
Soil Qualifier:	Not reported
Organization:	Not reported
Owner Contact:	Not reported
Responsible Party:	EXXON COMPANY, U S A
RP Address:	PO BOX 4032, CONCORD, CA 94524-2032
Program:	LUST
Lat/Long:	34.0347117 / -1
Local Agency Staff:	PEJ
Beneficial Use:	Not reported
Priority:	Not reported
Cleanup Fund Id:	Not reported
Suspended:	Not reported
Assigned Name:	2600582-001GEN
Summary:	09/30/96 - QUARTERLY MONITORING REPORT 12/31/96 - 4TH QUARTER REPORT 03/31/97 - QTRLY REPORT-1ST QRT 1997 RPT 06/04/97 - WELL ABANDONMENT

CORTESE:

Name:	EXXON #7-8407 (FORMER)
Address:	1935 007TH ST E
City,State,Zip:	LOS ANGELES, CA 90021
Region:	CORTESE
Envirostor Id:	Not reported
Global ID:	T0603700643
Site/Facility Type:	LUST CLEANUP SITE
Cleanup Status:	COMPLETED - CASE CLOSED
Status Date:	Not reported
Site Code:	Not reported
Latitude:	Not reported
Longitude:	Not reported
Owner:	Not reported
Enf Type:	Not reported
Swat R:	Not reported
Flag:	active
Order No:	Not reported
Waste Discharge System No:	Not reported

EXXON #7-8407 (FORMER) (Continued) **S101297428**

Effective Date:	Not reported
Region 2:	Not reported
WID Id:	Not reported
Solid Waste Id No:	Not reported
Waste Management Uit Name:	Not reported
File Name:	Active Open

HIST CORTESE:

edr_fname:	EXXON #7-8407 (FORMER)
edr_fadd1:	1935 007TH
City,State,Zip:	LOS ANGELES, CA 90021
Region:	CORTESE
Facility County Code:	19
Reg By:	LTNKA
Reg Id:	900210034

CERS:

Name:	EXXON #7-8407 (FORMER)
Address:	1935 007TH ST E
City,State,Zip:	LOS ANGELES, CA 90021
Site ID:	203499
CERS ID:	T0603700643
CERS Description:	Leaking Underground Storage Tank Cleanup Site

Affiliation:

Affiliation Type Desc:	Local Agency Caseworker
Entity Name:	ELOY LUNA - LOS ANGELES, CITY OF
Entity Title:	Not reported
Affiliation Address:	200 North Main Street, Suite 1780
Affiliation City:	LOS ANGELES
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	.

Affiliation Type Desc:	Regional Board Caseworker
Entity Name:	YUE RONG - LOS ANGELES RWQCB (REGION 4)
Entity Title:	Not reported
Affiliation Address:	320 W. 4TH ST., SUITE 200
Affiliation City:	Los Angeles
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	.

AQ244 **S & S DISPOSAL SERVICES** **LOS ANGELES CO LF METHANE** **S127128308**
South **N/A**
1/4-1/2 **, CA**
0.320 mi.
1688 ft. **Site 1 of 3 in cluster AQ**

Relative: LOS ANGELES CO LF METHANE:
Lower

Name:	S & S DISPOSAL SERVICES
Address:	Not reported
City,State,Zip:	CA
Site Number:	462

Actual:
240 ft.

S & S DISPOSAL SERVICES (Continued) **S127128308**

Status:	Not reported
Description:	Not reported
Operator Name:	Not reported
Operator Telephone:	Not reported
Sup District:	Not reported
Shape Length:	Not reported
Shape Area:	Not reported
Latitude:	Not reported
Longitude:	Not reported

AQ245 **UNOCAL #0152 FORMER** **LUST** **S104406282**
South **1800 OLYMPIC BLVD E** **Cortese** **N/A**
1/4-1/2 **LOS ANGELES, CA 90021** **CERS**
0.320 mi.
1689 ft. **Site 2 of 3 in cluster AQ**

Relative:
Lower

Actual:
239 ft.

LUST:

Name:	UNOCAL #0152 FORMER
Address:	1800 OLYMPIC BLVD E
City,State,Zip:	LOS ANGELES, CA 90021
Lead Agency:	LOS ANGELES, CITY OF
Case Type:	LUST Cleanup Site
Geo Track:	http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0603700649
Global Id:	T0603700649
Latitude:	34.050109
Longitude:	-118.277019
Status:	Completed - Case Closed
Status Date:	04/18/1996
Case Worker:	EL
RB Case Number:	900210098
Local Agency:	LOS ANGELES, CITY OF
File Location:	Not reported
Local Case Number:	Not reported
Potential Media Affect:	Soil
Potential Contaminants of Concern:	Gasoline
Site History:	Not reported

LUST:

Global Id:	T0603700649
Contact Type:	Local Agency Caseworker
Contact Name:	ELOY LUNA
Organization Name:	LOS ANGELES, CITY OF
Address:	200 North Main Street, Suite 1780
City:	LOS ANGELES
Email:	eloy.luna@lacity.org
Phone Number:	Not reported

Global Id:	T0603700649
Contact Type:	Regional Board Caseworker
Contact Name:	YUE RONG
Organization Name:	LOS ANGELES RWQCB (REGION 4)
Address:	320 W. 4TH ST., SUITE 200
City:	Los Angeles
Email:	yrong@waterboards.ca.gov
Phone Number:	Not reported

LUST:

Global Id:	T0603700649

UNOCAL #0152 FORMER (Continued) **S104406282**

Action Type: Other
Date: 05/08/1995
Action: Leak Discovery

Global Id: T0603700649
Action Type: Other
Date: 05/11/1995
Action: Leak Reported

Global Id: T0603700649
Action Type: Other
Date: 05/08/1995
Action: Leak Stopped

LUST:
Global Id: T0603700649
Status: Open - Case Begin Date
Status Date: 05/08/1995

Global Id: T0603700649
Status: Open - Site Assessment
Status Date: 05/11/1995

Global Id: T0603700649
Status: Completed - Case Closed
Status Date: 04/18/1996

LUST REG 4:
Region: 4
Regional Board: 04
County: Los Angeles
Facility Id: 900210098
Status: Case Closed
Substance: Gasoline
Substance Quantity: Not reported
Local Case No: Not reported
Case Type: Soil
Abatement Method Used at the Site: Not reported
Global ID: T0603700649
W Global ID: W0605100582
Staff: UNK
Local Agency: 19050
Cross Street: ALAMEDA
Enforcement Type: Not reported
Date Leak Discovered: 5/8/1995
Date Leak First Reported: 5/11/1995
Date Leak Record Entered: 5/25/1995
Date Confirmation Began: 5/11/1995
Date Leak Stopped: 5/8/1995
Date Case Last Changed on Database: 1/30/1998
Date the Case was Closed: 4/18/1996
How Leak Discovered: OM
How Leak Stopped: Not reported
Cause of Leak: UNK
Leak Source: UNK

UNOCAL #0152 FORMER (Continued) **S104406282**

Operator:	CHARLES H SIMMONS
Water System:	YMCA CAMP OF LOS ANGELES 2
Well Name:	Not reported
Approx. Dist To Production Well (ft):	7836.379419706335057340109092 5
Source of Cleanup Funding:	UNK
Preliminary Site Assessment Workplan Submitted:	Not reported
Preliminary Site Assessment Began:	Not reported
Pollution Characterization Began:	Not reported
Remediation Plan Submitted:	Not reported
Remedial Action Underway:	Not reported
Post Remedial Action Monitoring Began:	Not reported
Enforcement Action Date:	Not reported
Historical Max MTBE Date:	Not reported
Hist Max MTBE Conc in Groundwater:	Not reported
Hist Max MTBE Conc in Soil:	Not reported
Significant Interim Remedial Action Taken:	Not reported
GW Qualifier:	Not reported
Soil Qualifier:	Not reported
Organization:	Not reported
Owner Contact:	Not reported
Responsible Party:	UNOCAL
RP Address:	376 S VALENCIA AVE BLDG "F" BREA CA 92621
Program:	LUST
Lat/Long:	34.0274391 / -1
Local Agency Staff:	PEJ
Beneficial Use:	Not reported
Priority:	Not reported
Cleanup Fund Id:	Not reported
Suspended:	Not reported
Assigned Name:	2600582-001GEN
Summary:	Not reported

CORTESE:

Name:	UNOCAL #0152 FORMER
Address:	1800 OLYMPIC BLVD E
City,State,Zip:	LOS ANGELES, CA 90021
Region:	CORTESE
Envirostor Id:	Not reported
Global ID:	T0603700649
Site/Facility Type:	LUST CLEANUP SITE
Cleanup Status:	COMPLETED - CASE CLOSED
Status Date:	Not reported
Site Code:	Not reported
Latitude:	Not reported
Longitude:	Not reported
Owner:	Not reported
Enf Type:	Not reported
Swat R:	Not reported
Flag:	active
Order No:	Not reported
Waste Discharge System No:	Not reported
Effective Date:	Not reported
Region 2:	Not reported
WID Id:	Not reported
Solid Waste Id No:	Not reported
Waste Management Uit Name:	Not reported
File Name:	Active Open

UNOCAL #0152 FORMER (Continued) **S104406282**

CERS:
Name: UNOCAL #0152 FORMER
Address: 1800 OLYMPIC BLVD E
City,State,Zip: LOS ANGELES, CA 90021
Site ID: 198294
CERS ID: T0603700649
CERS Description: Leaking Underground Storage Tank Cleanup Site

Affiliation:
Affiliation Type Desc: Regional Board Caseworker
Entity Name: YUE RONG - LOS ANGELES RWQCB (REGION 4)
Entity Title: Not reported
Affiliation Address: 320 W. 4TH ST., SUITE 200
Affiliation City: Los Angeles
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: .

Affiliation Type Desc: Local Agency Caseworker
Entity Name: ELOY LUNA - LOS ANGELES, CITY OF
Entity Title: Not reported
Affiliation Address: 200 North Main Street, Suite 1780
Affiliation City: LOS ANGELES
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: .

AQ246 **UNOCAL #0152 FORMER** **HIST CORTESE** **S102590700**
South **1800 OLYMPIC** **N/A**
1/4-1/2 **LOS ANGELES, CA 90021**
0.320 mi.
1689 ft. **Site 3 of 3 in cluster AQ**

Relative: HIST CORTESE:
Lower edr_fname: UNOCAL #0152 FORMER
Actual: edr_fadd1: 1800 OLYMPIC
239 ft. City,State,Zip: LOS ANGELES, CA 90021
Region: CORTESE
Facility County Code: 19
Reg By: LTNKA
Reg Id: 900210098

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247 **RECYCLE INDEED** **SWRCY** **S127815607**
SSE **1914 E OLYMPIC BLVD** **N/A**
1/4-1/2 **LOS ANGELES, CA 90021**
0.333 mi.
1760 ft.

Relative: SWRCY:
Lower Name: RECYCLE INDEED
Actual: Address: 1914 E OLYMPIC BLVD
239 ft. City,State,Zip: LOS ANGELES, CA 90021
Reg Id: Not reported

RECYCLE INDEED (Continued) **S127815607**

Cert Id:	RC306277.001
Mailing Address:	9813 Elm Ave
Mailing City:	Fontana
Mailing State:	CA
Mailing Zip Code:	92335
Website:	Not reported
Email:	Not reported
Phone Number:	(323) 788-1551
Rural:	N
Operation Begin Date:	08/08/2021
Aluminium:	Not reported
Glass:	Not reported
Plastic:	Not reported
Bimetal:	Not reported
Hours of Operation:	Mon - Fri 9:00 am - 4:00 pm, Closed 12:00 pm - 12:30 pm; Sat - Sun 9:00 am - 2:00 pm, Closed 12:00 pm - 12:30 pm
Organization ID:	Not reported
Organization Name:	Recycle Indeed

248
North
1/4-1/2
0.350 mi.
1848 ft.

CENTRAL AND SIXTH **US BROWNFIELDS** **1026004448**
500 S CENTRAL AVENUE 410, 450, AND 500 S CENTRAL AVENUE **FINDS** **N/A**
LOS ANGELES, CA 90013

Relative:
Higher

Actual:
255 ft.

US BROWNFIELDS:

Name:	CENTRAL AND SIXTH
Address:	500 S CENTRAL AVENUE 410, 450, AND 500 S CENTRAL AVENUE
City,State,Zip:	LOS ANGELES, CA 90013
Recipient Name:	State of California High-Speed Rail Authority
Grant Type:	Assessment
Property Number:	5147-013-016; 5147-013-014; 5147-014-005
Parcel size:	14.78
Latitude:	34.039992
Longitude:	-118.239379
HCM Label:	-
Map Scale:	-
Point of Reference:	-
Highlights:	-
Datum:	-
Acres Property ID:	239946
IC Data Access:	-
Start Date:	-
Redev Completition Date:	-
Completed Date:	-
Acres Cleaned Up:	-
Cleanup Funding:	-
Cleanup Funding Source:	-
Assessment Funding:	11615
Assessment Funding Source:	EPA
Redevelopment Funding:	-
Redev. Funding Source:	-
Redev. Funding Entity Name:	-
Redevelopment Start Date:	-
Assessment Funding Entity:	US EPA - Brownfields Assessment Cooperative Agreement
Cleanup Funding Entity:	-
Grant Type:	Hazardous
Accomplishment Type:	Phase I Environmental Assessment

CENTRAL AND SIXTH (Continued) **1026004448**

Accomplishment Count:	Y
Cooperative Agreement Number:	99T61101
Start Date:	11/15/2018
Ownership Entity:	-
Completion Date:	6/25/2019
Current Owner:	-
Did Owner Change:	-
Cleanup Required:	U
Video Available:	-
Photo Available:	-
Institutional Controls Required:	U
IC Category Proprietary Controls:	-
IC Cat. Info. Devices:	-
IC Cat. Gov. Controls:	-
IC Cat. Enforcement Permit Tools:	-
IC in place date:	-
IC in place:	-
State/tribal program date:	-
State/tribal program ID:	-
State/tribal NFA date:	-
Air cleaned:	-
Asbestos found:	-
Asbestos cleaned:	-
Controled substance found:	-
Controled substance cleaned:	-
Drinking water affected:	-
Drinking water cleaned:	-
Groundwater affected:	-
Groundwater cleaned:	-
Lead contaminant found:	-
Lead cleaned up:	-
No media affected:	-
Unknown media affected:	-
Other cleaned up:	-
Other metals found:	-
Other metals cleaned:	-
Other contaminants found:	-
Other contams found description:	-
PAHs found:	-
PAHs cleaned up:	-
PCBs found:	-
PCBs cleaned up:	-
Petro products found:	-
Petro products cleaned:	-
Sediments found:	-
Sediments cleaned:	-
Soil affected:	-
Soil cleaned up:	-
Surface water cleaned:	-
VOCs found:	-
VOCs cleaned:	-
Cleanup other description:	-
Num. of cleanup and re-dev. jobs:	-
Past use greenspace acreage:	-
Past use residential acreage:	-
Surface Water:	-
Past use commercial acreage:	-

CENTRAL AND SIXTH (Continued) **1026004448**

Past use industrial acreage:	-
Future use greenspace acreage:	-
Future use residential acreage:	-
Future use commercial acreage:	-
Future use industrial acreage:	-
Superfund Fed. landowner flag:	-
Arsenic cleaned up:	-
Cadmium cleaned up:	-
Chromium cleaned up:	-
Copper cleaned up:	-
Iron cleaned up:	-
mercury cleaned up:	-
Nickel Cleaned Up:	-
No clean up:	-
Pesticides cleaned up:	-
Selenium cleaned up:	-
SVOCs cleaned up:	-
Unknown clean up:	-
Arsenic contaminant found:	-
Cadmium contaminant found:	-
Chromium contaminant found:	-
Copper contaminant found:	-
Iron contaminant found:	-
Mercury contaminant found:	-
Nickel contaminant found:	-
No contaminant found:	-
Pesticides contaminant found:	-
Selenium contaminant found:	-
SVOCs contaminant found:	-
Unknown contaminant found:	-
Future Use: Multistory	-
Media affected Bluiding Material:	-
Media affected indoor air:	-
Building material media cleaned up:	-
Indoor air media cleaned up:	-
Unknown media cleaned up:	-
Past Use: Multistory	-
Property Description:	-
Below Poverty Number:	4528
Below Poverty Percent:	61.47
Meidan Income:	1915
Meidan Income Number:	5766
Meidan Income Percent:	78.28
Vacant Housing Number:	610
Vacant Housing Percent:	15.43
Unemployed Number:	668
Unemployed Percent:	9.07

Name:	CENTRAL AND SIXTH
Address:	500 S CENTRAL AVENUE 410, 450, AND 500 S CENTRAL AVENUE
City,State,Zip:	LOS ANGELES, CA 90013
Recipient Name:	State of California High-Speed Rail Authority
Grant Type:	Assessment
Property Number:	5147-013-016; 5147-013-014; 5147-014-005
Parcel size:	14.78
Latitude:	34.039992
Longitude:	-118.239379

CENTRAL AND SIXTH (Continued) **1026004448**

HCM Label:	-
Map Scale:	-
Point of Reference:	-
Highlights:	-
Datum:	-
Acres Property ID:	239946
IC Data Access:	-
Start Date:	-
Redev Completition Date:	-
Completed Date:	-
Acres Cleaned Up:	-
Cleanup Funding:	-
Cleanup Funding Source:	-
Assessment Funding:	-
Assessment Funding Source:	-
Redevelopment Funding:	-
Redev. Funding Source:	-
Redev. Funding Entity Name:	-
Redevelopment Start Date:	-
Assessment Funding Entity:	-
Cleanup Funding Entity:	-
Grant Type:	Hazardous
Accomplishment Type:	-
Accomplishment Count:	-
Cooperative Agreement Number:	99T61101
Start Date:	-
Ownership Entity:	-
Completion Date:	-
Current Owner:	-
Did Owner Change:	-
Cleanup Required:	U
Video Available:	-
Photo Available:	-
Institutional Controls Required:	U
IC Category Proprietary Controls:	-
IC Cat. Info. Devices:	-
IC Cat. Gov. Controls:	-
IC Cat. Enforcement Permit Tools:	-
IC in place date:	-
IC in place:	-
State/tribal program date:	-
State/tribal program ID:	-
State/tribal NFA date:	-
Air cleaned:	-
Asbestos found:	-
Asbestos cleaned:	-
Controled substance found:	-
Controled substance cleaned:	-
Drinking water affected:	-
Drinking water cleaned:	-
Groundwater affected:	-
Groundwater cleaned:	-
Lead contaminant found:	-
Lead cleaned up:	-
No media affected:	-
Unknown media affected:	-
Other cleaned up:	-

CENTRAL AND SIXTH (Continued) **1026004448**

Other metals found:	-
Other metals cleaned:	-
Other contaminants found:	-
Other contams found description:	-
PAHs found:	-
PAHs cleaned up:	-
PCBs found:	-
PCBs cleaned up:	-
Petro products found:	-
Petro products cleaned:	-
Sediments found:	-
Sediments cleaned:	-
Soil affected:	-
Soil cleaned up:	-
Surface water cleaned:	-
VOCs found:	-
VOCs cleaned:	-
Cleanup other description:	-
Num. of cleanup and re-dev. jobs:	-
Past use greenspace acreage:	-
Past use residential acreage:	-
Surface Water:	-
Past use commercial acreage:	-
Past use industrial acreage:	-
Future use greenspace acreage:	-
Future use residential acreage:	-
Future use commercial acreage:	-
Future use industrial acreage:	-
Superfund Fed. landowner flag:	-
Arsenic cleaned up:	-
Cadmium cleaned up:	-
Chromium cleaned up:	-
Copper cleaned up:	-
Iron cleaned up:	-
mercury cleaned up:	-
Nickel Cleaned Up:	-
No clean up:	-
Pesticides cleaned up:	-
Selenium cleaned up:	-
SVOCs cleaned up:	-
Unknown clean up:	-
Arsenic contaminant found:	-
Cadmium contaminant found:	-
Chromium contaminant found:	-
Copper contaminant found:	-
Iron contaminant found:	-
Mercury contaminant found:	-
Nickel contaminant found:	-
No contaminant found:	-
Pesticides contaminant found:	-
Selenium contaminant found:	-
SVOCs contaminant found:	-
Unknown contaminant found:	-
Future Use: Multistory	-
Media affected Bluiding Material:	-
Media affected indoor air:	-
Building material media cleaned up:	-

CENTRAL AND SIXTH (Continued) **1026004448**

Indoor air media cleaned up:	-
Unknown media cleaned up:	-
Past Use: Multistory	-
Property Description:	-
Below Poverty Number:	4528
Below Poverty Percent:	61.47
Meidan Income:	1915
Meidan Income Number:	5766
Meidan Income Percent:	78.28
Vacant Housing Number:	610
Vacant Housing Percent:	15.43
Unemployed Number:	668
Unemployed Percent:	9.07

FINDS:
Registry ID: 110070629109

Click Here for FRS Facility Detail Report:

Environmental Interest/Information System:
US EPA Assessment, Cleanup and Redevelopment Exchange System (ACRES) is an federal online database for Brownfields Grantees to electronically submit data directly to EPA.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

AR249 **DOWNTOWN METALS & RECYCLING** **SWRCY** **S106103208**
North **526 S ALAMEDA ST** **CERS HAZ WASTE** **N/A**
1/4-1/2 **LOS ANGELES, CA 90013** **NPDES**
0.378 mi. **HAZMAT**
1994 ft. **Site 1 of 3 in cluster AR** **WDS**
CIWQS
Relative: **CERS**
Higher **HWTS**

Actual:
255 ft.

SWRCY:

Name:	DOWNTOWN METALS & RECYCLING CENTER
Address:	526 S ALAMEDA ST
City,State,Zip:	LOS ANGELES, CA 90013
Reg Id:	24106
Cert Id:	RC7892
Mailing Address:	3249 W El Segundo Blvd
Mailing City:	Hawthorne
Mailing State:	CA
Mailing Zip Code:	90250
Website:	Not reported
Email:	Not reported
Phone Number:	(310) 978-9900
Rural:	N
Operation Begin Date:	04/01/1998
Aluminium:	Y
Glass:	Y
Plastic:	Y
Bimetal:	Y
Hours of Operation:	Mon - Sat 9:00 am - 4:30 pm, Closed 1:00 pm - 1:30 pm; Sun Closed
Organization ID:	31689
Organization Name:	E & M Recycling Company

DOWNTOWN METALS & RECYCLING (Continued) **S106103208**

CERS HAZ WASTE:

Name:	DOWNTOWN METALS & RECYCLING CENTER
Address:	526 S ALAMEDA ST
City,State,Zip:	LOS ANGELES, CA 90013
Site ID:	574015
CERS ID:	10660027
CERS Description:	Hazardous Waste Generator

NPDES:

Name:	DOWNTOWN METALS RECYCLING
Address:	526 S ALAMEDA ST
City,State,Zip:	LOS ANGELES, CA 90013
Facility Status:	Active
NPDES Number:	CAS000001
Region:	4
Agency Number:	0
Regulatory Measure ID:	191213
Place ID:	Not reported
Order Number:	97-03-DWQ
WDID:	4 19I016636
Regulatory Measure Type:	Enrollee
Program Type:	Industrial
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	07/10/2001
Termination Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Discharge Address:	526 S Alameda St
Discharge Name:	Downtown Metals Recycling
Discharge City:	Los Angeles
Discharge State:	California
Discharge Zip:	90013
Status:	Not reported
Status Date:	Not reported
Operator Name:	Not reported
Operator Address:	Not reported
Operator City:	Not reported
Operator State:	Not reported
Operator Zip:	Not reported

NPDES as of 03/2018:

NPDES Number:	Not reported
Status:	Not reported
Agency Number:	Not reported
Region:	4
Regulatory Measure ID:	191213
Order Number:	Not reported
Regulatory Measure Type:	Industrial
Place ID:	Not reported
WDID:	4 19I016636
Program Type:	Not reported
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	Not reported
Discharge Address:	Not reported
Discharge City:	Not reported

DOWNTOWN METALS & RECYCLING (Continued) **S106103208**

Discharge State:	Not reported
Discharge Zip:	Not reported
Received Date:	05/09/2008
Processed Date:	07/10/2001
Status:	Active
Status Date:	07/10/2001
Place Size:	120000
Place Size Unit:	SqFt
Contact:	Mikhail Vortman
Contact Title:	Owner
Contact Phone:	213-625-8165
Contact Phone Ext:	Not reported
Contact Email:	michaelv@californiarecycling.com
Operator Name:	Downtown Metals Recycling
Operator Address:	526 S Alameda St
Operator City:	Los Angeles
Operator State:	California
Operator Zip:	90013
Operator Contact:	Mikhail Vortman
Operator Contact Title:	Owner
Operator Contact Phone:	213-625-8165
Operator Contact Phone Ext:	Not reported
Operator Contact Email:	michaelv@californiarecycling.com
Operator Type:	Private Business
Developer:	Not reported
Developer Address:	Not reported
Developer City:	Not reported
Developer State:	California
Developer Zip:	Not reported
Developer Contact:	Not reported
Developer Contact Title:	Not reported
Constype Linear Utility Ind:	Not reported
Emergency Phone:	Not reported
Emergency Phone Ext:	Not reported
Constype Above Ground Ind:	Not reported
Constype Below Ground Ind:	Not reported
Constype Cable Line Ind:	Not reported
Constype Comm Line Ind:	Not reported
Constype Commertial Ind:	Not reported
Constype Electrical Line Ind:	Not reported
Constype Gas Line Ind:	Not reported
Constype Industrial Ind:	Not reported
Constype Other Description:	Not reported
Constype Other Ind:	Not reported
Constype Recons Ind:	Not reported
Constype Residential Ind:	Not reported
Constype Transport Ind:	Not reported
Constype Utility Description:	Not reported
Constype Utility Ind:	Not reported
Constype Water Sewer Ind:	Not reported
Dir Discharge Uswater Ind:	N
Receiving Water Name:	Los Angeles River
Certifier:	Eugene Vortman
Certifier Title:	Owner
Certification Date:	18-JUN-15
Primary Sic:	5093-Scrap and Waste Materials
Secondary Sic:	Not reported

DOWNTOWN METALS & RECYCLING (Continued) **S106103208**

Tertiary Sic:	Not reported
NPDES Number:	CAS000001
Status:	Active
Agency Number:	0
Region:	4
Regulatory Measure ID:	191213
Order Number:	97-03-DWQ
Regulatory Measure Type:	Enrollee
Place ID:	Not reported
WDID:	4 19I016636
Program Type:	Industrial
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	07/10/2001
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	Downtown Metals Recycling
Discharge Address:	526 S Alameda St
Discharge City:	Los Angeles
Discharge State:	California
Discharge Zip:	90013
Received Date:	Not reported
Processed Date:	Not reported
Status:	Not reported
Status Date:	Not reported
Place Size:	Not reported
Place Size Unit:	Not reported
Contact:	Not reported
Contact Title:	Not reported
Contact Phone:	Not reported
Contact Phone Ext:	Not reported
Contact Email:	Not reported
Operator Name:	Not reported
Operator Address:	Not reported
Operator City:	Not reported
Operator State:	Not reported
Operator Zip:	Not reported
Operator Contact:	Not reported
Operator Contact Title:	Not reported
Operator Contact Phone:	Not reported
Operator Contact Phone Ext:	Not reported
Operator Contact Email:	Not reported
Operator Type:	Not reported
Developer:	Not reported
Developer Address:	Not reported
Developer City:	Not reported
Developer State:	Not reported
Developer Zip:	Not reported
Developer Contact:	Not reported
Developer Contact Title:	Not reported
Constype Linear Utility Ind:	Not reported
Emergency Phone:	Not reported
Emergency Phone Ext:	Not reported
Constype Above Ground Ind:	Not reported
Constype Below Ground Ind:	Not reported
Constype Cable Line Ind:	Not reported
Constype Comm Line Ind:	Not reported

DOWNTOWN METALS & RECYCLING (Continued) **S106103208**

Constype Commertial Ind:	Not reported
Constype Electrical Line Ind:	Not reported
Constype Gas Line Ind:	Not reported
Constype Industrial Ind:	Not reported
Constype Other Description:	Not reported
Constype Other Ind:	Not reported
Constype Recons Ind:	Not reported
Constype Residential Ind:	Not reported
Constype Transport Ind:	Not reported
Constype Utility Description:	Not reported
Constype Utility Ind:	Not reported
Constype Water Sewer Ind:	Not reported
Dir Discharge Uswater Ind:	Not reported
Receiving Water Name:	Not reported
Certifier:	Not reported
Certifier Title:	Not reported
Certification Date:	Not reported
Primary Sic:	Not reported
Secondary Sic:	Not reported
Tertiary Sic:	Not reported

Name:	DOWNTOWN METALS RECYCLING
Address:	526 S ALAMEDA ST
City,State,Zip:	LOS ANGELES, CA 90013
Facility Status:	Not reported
NPDES Number:	Not reported
Region:	Not reported
Agency Number:	Not reported
Regulatory Measure ID:	Not reported
Place ID:	Not reported
Order Number:	Not reported
WDID:	4 19I016636
Regulatory Measure Type:	Industrial
Program Type:	Not reported
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Discharge Address:	Not reported
Discharge Name:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
Status:	Active
Status Date:	07/10/2001
Operator Name:	Downtown Metals Recycling
Operator Address:	526 S Alameda St
Operator City:	Los Angeles
Operator State:	California
Operator Zip:	90013

NPDES as of 03/2018:

NPDES Number:	Not reported
Status:	Not reported
Agency Number:	Not reported
Region:	4
Regulatory Measure ID:	191213

DOWNTOWN METALS & RECYCLING (Continued) **S106103208**

Order Number:	Not reported
Regulatory Measure Type:	Industrial
Place ID:	Not reported
WDID:	4 19I016636
Program Type:	Not reported
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	Not reported
Discharge Address:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
Received Date:	05/09/2008
Processed Date:	07/10/2001
Status:	Active
Status Date:	07/10/2001
Place Size:	120000
Place Size Unit:	SqFt
Contact:	Mikhail Vortman
Contact Title:	Owner
Contact Phone:	213-625-8165
Contact Phone Ext:	Not reported
Contact Email:	michaelv@californiarecycling.com
Operator Name:	Downtown Metals Recycling
Operator Address:	526 S Alameda St
Operator City:	Los Angeles
Operator State:	California
Operator Zip:	90013
Operator Contact:	Mikhail Vortman
Operator Contact Title:	Owner
Operator Contact Phone:	213-625-8165
Operator Contact Phone Ext:	Not reported
Operator Contact Email:	michaelv@californiarecycling.com
Operator Type:	Private Business
Developer:	Not reported
Developer Address:	Not reported
Developer City:	Not reported
Developer State:	California
Developer Zip:	Not reported
Developer Contact:	Not reported
Developer Contact Title:	Not reported
Constype Linear Utility Ind:	Not reported
Emergency Phone:	Not reported
Emergency Phone Ext:	Not reported
Constype Above Ground Ind:	Not reported
Constype Below Ground Ind:	Not reported
Constype Cable Line Ind:	Not reported
Constype Comm Line Ind:	Not reported
Constype Commertial Ind:	Not reported
Constype Electrical Line Ind:	Not reported
Constype Gas Line Ind:	Not reported
Constype Industrial Ind:	Not reported
Constype Other Description:	Not reported
Constype Other Ind:	Not reported
Constype Recons Ind:	Not reported

DOWNTOWN METALS & RECYCLING (Continued) **S106103208**

Constype Residential Ind:	Not reported
Constype Transport Ind:	Not reported
Constype Utility Description:	Not reported
Constype Utility Ind:	Not reported
Constype Water Sewer Ind:	Not reported
Dir Discharge Uswater Ind:	N
Receiving Water Name:	Los Angeles River
Certifier:	Eugene Vortman
Certifier Title:	Owner
Certification Date:	18-JUN-15
Primary Sic:	5093-Scrap and Waste Materials
Secondary Sic:	Not reported
Tertiary Sic:	Not reported
NPDES Number:	CAS000001
Status:	Active
Agency Number:	0
Region:	4
Regulatory Measure ID:	191213
Order Number:	97-03-DWQ
Regulatory Measure Type:	Enrollee
Place ID:	Not reported
WDID:	4 19I016636
Program Type:	Industrial
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	07/10/2001
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	Downtown Metals Recycling
Discharge Address:	526 S Alameda St
Discharge City:	Los Angeles
Discharge State:	California
Discharge Zip:	90013
Received Date:	Not reported
Processed Date:	Not reported
Status:	Not reported
Status Date:	Not reported
Place Size:	Not reported
Place Size Unit:	Not reported
Contact:	Not reported
Contact Title:	Not reported
Contact Phone:	Not reported
Contact Phone Ext:	Not reported
Contact Email:	Not reported
Operator Name:	Not reported
Operator Address:	Not reported
Operator City:	Not reported
Operator State:	Not reported
Operator Zip:	Not reported
Operator Contact:	Not reported
Operator Contact Title:	Not reported
Operator Contact Phone:	Not reported
Operator Contact Phone Ext:	Not reported
Operator Contact Email:	Not reported
Operator Type:	Not reported
Developer:	Not reported
Developer Address:	Not reported

DOWNTOWN METALS & RECYCLING (Continued) **S106103208**

Developer City:	Not reported
Developer State:	Not reported
Developer Zip:	Not reported
Developer Contact:	Not reported
Developer Contact Title:	Not reported
Constype Linear Utility Ind:	Not reported
Emergency Phone:	Not reported
Emergency Phone Ext:	Not reported
Constype Above Ground Ind:	Not reported
Constype Below Ground Ind:	Not reported
Constype Cable Line Ind:	Not reported
Constype Comm Line Ind:	Not reported
Constype Commertial Ind:	Not reported
Constype Electrical Line Ind:	Not reported
Constype Gas Line Ind:	Not reported
Constype Industrial Ind:	Not reported
Constype Other Description:	Not reported
Constype Other Ind:	Not reported
Constype Recons Ind:	Not reported
Constype Residential Ind:	Not reported
Constype Transport Ind:	Not reported
Constype Utility Description:	Not reported
Constype Utility Ind:	Not reported
Constype Water Sewer Ind:	Not reported
Dir Discharge Uswater Ind:	Not reported
Receiving Water Name:	Not reported
Certifier:	Not reported
Certifier Title:	Not reported
Certification Date:	Not reported
Primary Sic:	Not reported
Secondary Sic:	Not reported
Tertiary Sic:	Not reported

LOS ANGELES HM:

Name:	DOWNTOWN METALS & RECYCLING CTR
Address:	526 S ALAMEDA ST
City,State,Zip:	LOS ANGELES, CA 90013
Facility ID:	FA0016694
Last Run Date:	11/01/2022
Status:	ACTIVE

WDS:

Name:	DOWNTOWN METALS & RECYCLING
Address:	526 S Alameda St
City:	LOS ANGELES
Facility ID:	4 19I016636
Facility Type:	Industrial - Facility that treats and/or disposes of liquid or semisolid wastes from any servicing, producing, manufacturing or processing operation of whatever nature, including mining, gravel washing, geothermal operations, air conditioning, ship building and repairing, oil production, storage and disposal operations, water pumping.
Facility Status:	Active - Any facility with a continuous or seasonal discharge that is under Waste Discharge Requirements.
NPDES Number:	CAS000001 The 1st 2 characters designate the state. The remaining 7

DOWNTOWN METALS & RECYCLING (Continued) **S106103208**

	are assigned by the Regional Board
Subregion:	4
Facility Telephone:	2136258165
Facility Contact:	MIKHAIL VORTMAN
Agency Name:	MIKHAIL VORTMAN
Agency Address:	526 S Alameda St
Agency City,St,Zip:	Los Angeles 900131708
Agency Contact:	MIKHAIL VORTMAN
Agency Telephone:	2316258165
Agency Type:	Private
SIC Code:	0
SIC Code 2:	Not reported
Primary Waste Type:	Not reported
Primary Waste:	Not reported
Waste Type2:	Not reported
Waste2:	Not reported
Primary Waste Type:	Not reported
Secondary Waste:	Not reported
Secondary Waste Type:	Not reported
Design Flow:	0
Baseline Flow:	0
Reclamation:	Not reported
POTW:	Not reported
Treat To Water:	Minor Threat to Water Quality. A violation of a regional board order should cause a relatively minor impairment of beneficial uses compared to a major or minor threat. Not: All nurds without a TTWQ will be considered a minor threat to water quality unless coded at a higher Level. A Zero (0) may be used to code those NURDS that are found to represent no threat to water quality.
Complexity:	Category C - Facilities having no waste treatment systems, such as cooling water dischargers or thosewho must comply through best management practices, facilities with passive waste treatment and disposal systems, such as septic systems with subsurface disposal, or dischargers having waste storage systems with land disposal such as dairy waste ponds.

CIWQS:

Name:	DOWNTOWN METALS RECYCLING
Address:	526 S ALAMEDA ST
City,State,Zip:	LOS ANGELES, CA 90013
Agency:	Downtown Metals Recycling
Agency Address:	526 S Alameda St, Los Angeles, CA 90013
Place/Project Type:	Industrial - Scrap and Waste Materials
SIC/NAICS:	5093
Region:	4
Program:	INDSTW
Regulatory Measure Status:	Active
Regulatory Measure Type:	Storm water industrial
Order Number:	2014-0057-DWQ
WDID:	4 19I016636
NPDES Number:	CAS000001
Adoption Date:	Not reported
Effective Date:	07/10/2001
Termination Date:	Not reported
Expiration/Review Date:	Not reported
Design Flow:	Not reported
Major/Minor:	Not reported

DOWNTOWN METALS & RECYCLING (Continued) **S106103208**

Complexity:	Not reported
TTWQ:	Not reported
Enforcement Actions within 5 years:	1
Violations within 5 years:	1
Latitude:	34.0406
Longitude:	-118.23828

CERS:

Name:	DOWNTOWN METALS RECYCLING
Address:	526 S ALAMEDA ST
City,State,Zip:	LOS ANGELES, CA 90013
Site ID:	530759
CERS ID:	220643
CERS Description:	Industrial Facility Storm Water

Violations:

Site ID:	530759
Site Name:	Downtown Metals Recycling
Violation Date:	01-28-2010
Citation:	2014-0057-DWQ - Industrial General Permit
Violation Description:	Unauthorized Discharge
Violation Notes:	Waste water from vehicle washing.
Violation Division:	Water Boards
Violation Program:	INDSTW
Violation Source:	SMARTS,

Site ID:	530759
Site Name:	Downtown Metals Recycling
Violation Date:	01-28-2010
Citation:	2014-0057-DWQ - Industrial General Permit
Violation Description:	SWPPP
Violation Notes:	1) Not identifying member of SWPPP; 2) no descriptions of potential pollutant sources; 3) missing training records.
Violation Division:	Water Boards
Violation Program:	INDSTW
Violation Source:	SMARTS,

Site ID:	530759
Site Name:	Downtown Metals Recycling
Violation Date:	09-02-2008
Citation:	2014-0057-DWQ - Industrial General Permit
Violation Description:	SW - Late Report
Violation Notes:	Failed to submit 2007-2008 AR by due date.
Violation Division:	Water Boards
Violation Program:	INDSTW
Violation Source:	SMARTS,

Site ID:	530759
Site Name:	Downtown Metals Recycling
Violation Date:	01-28-2010
Citation:	2014-0057-DWQ - Industrial General Permit
Violation Description:	SW - Deficient BMP Implementation
Violation Notes:	1) Oily sheen was observed on the surface of the ponded water; 2) poor housekeeping; 3) uncovered trash storage bins.
Violation Division:	Water Boards
Violation Program:	INDSTW
Violation Source:	SMARTS,

DOWNTOWN METALS & RECYCLING (Continued) **S106103208**

Site ID: 530759
Site Name: Downtown Metals Recycling
Violation Date: 05-10-2022
Citation: 2014-0057-DWQ - Industrial General Permit
Violation Description: SW - Late Report
Violation Notes: Failure to collect and analyze stormwater samples and submit ad hoc reports
Violation Division: Water Boards
Violation Program: INDSTW
Violation Source: SMARTS,

Site ID: 530759
Site Name: Downtown Metals Recycling
Violation Date: 06-24-1999
Citation: 2014-0057-DWQ - Industrial General Permit
Violation Description: SW - Failure to Obtain Permit
Violation Notes: NF referral from City of LA Department of Public Works.
Violation Division: Water Boards
Violation Program: INDSTW
Violation Source: SMARTS,

Site ID: 530759
Site Name: Downtown Metals Recycling
Violation Date: 01-28-2010
Citation: 2014-0057-DWQ - Industrial General Permit
Violation Description: SW - Deficient Report
Violation Notes: pH analysis was conducted after the holding time limit.
Violation Division: Water Boards
Violation Program: INDSTW
Violation Source: SMARTS,

Site ID: 530759
Site Name: Downtown Metals Recycling
Violation Date: 07-02-2009
Citation: 2014-0057-DWQ - Industrial General Permit
Violation Description: SW - Deficient Report
Violation Notes: The permittee failed in collecting storm water samples for the 2008/09 rainy season although the records from the closest rain gauge show that there were enough precipitations for sampling for the season.
Violation Division: Water Boards
Violation Program: INDSTW
Violation Source: SMARTS,

Evaluation:
Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-28-2010
Violations Found: Yes
Eval Type: Industrial Storm Water Compliance Evaluation
Eval Notes: Following violations were observed: 1) inadequate SWPPP; 2) pH was analyzed after the limit of holding time; 3) inadequate BMPs for vehicle washing area; 4) poor housekeeping.
Eval Division: Water Boards
Eval Program: INDSTW
Eval Source: SMARTS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 07-18-2002

DOWNTOWN METALS & RECYCLING (Continued) **S106103208**

Violations Found: No
Eval Type: Industrial Storm Water Compliance Evaluation
Eval Notes: AR for previous reporting period unavailable for review. Quarterly non-storm water discharge visual observations not available. Complete records of monthly visual STW discharge for one storm per month between Oct 1 and May 30 not available. Records of SW sampling events were not avialble. SW samples were not analyzed for appropriate pollutants under the SIC code. SW samples were not collected from representative SW discharge locations. Records of an annual comprehensive site compliance investigation were not available. No SWPPP. A written monitoring and evaluation plan was not available. Did not maintain records of all monitoring info and ARs.
Eval Division: Water Boards
Eval Program: INDSTW
Eval Source: SMARTS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 09-09-2002
Violations Found: No
Eval Type: Industrial Storm Water Compliance Evaluation
Eval Notes: Follow up to TT inspection 7/18/02. Explained significance of elevated Fe, Cu and Zn values. More frequent/effective sweeping going into/during rainy season.
Eval Division: Water Boards
Eval Program: INDSTW
Eval Source: SMARTS,

Enforcement Action:
Site ID: 530759
Site Name: Downtown Metals Recycling
Site Address: 526 S ALAMEDA ST
Site City: LOS ANGELES
Site Zip: 90013
Enf Action Date: 01-12-2001
Enf Action Type: Notice of Non-Compliance for Non-Filers
Enf Action Description: Notice of Non-Compliance for Non-Filers
Enf Action Notes: Asked to file a NOI
Enf Action Division: Water Boards
Enf Action Program: INDSTW
Enf Action Source: SMARTS,

Site ID: 530759
Site Name: Downtown Metals Recycling
Site Address: 526 S ALAMEDA ST
Site City: LOS ANGELES
Site Zip: 90013
Enf Action Date: 01-13-2011
Enf Action Type: Industrial Storm Water Enforcement
Enf Action Description: Industrial Storm Water Enforcement
Enf Action Notes: Ordered to provide an explanation for the failure to collect samples, analyze and report the data.
Enf Action Division: Water Boards
Enf Action Program: INDSTW
Enf Action Source: SMARTS,

Site ID: 530759
Site Name: Downtown Metals Recycling

DOWNTOWN METALS & RECYCLING (Continued) **S106103208**

Site Address: 526 S ALAMEDA ST
Site City: LOS ANGELES
Site Zip: 90013
Enf Action Date: 04-12-2001
Enf Action Type: Notice of Violation
Enf Action Description: Notice of Violation
Enf Action Notes: Failure to Respond to Notice to Comply.
Enf Action Division: Water Boards
Enf Action Program: INDSTW
Enf Action Source: SMARTS,

Site ID: 530759
Site Name: Downtown Metals Recycling
Site Address: 526 S ALAMEDA ST
Site City: LOS ANGELES
Site Zip: 90013
Enf Action Date: 05-10-2022
Enf Action Type: Notice of Violation
Enf Action Description: Notice of Violation
Enf Action Notes: Failure to collect and analyze stormwater samples and submit ad hoc reports
Enf Action Division: Water Boards
Enf Action Program: INDSTW
Enf Action Source: SMARTS,

Site ID: 530759
Site Name: Downtown Metals Recycling
Site Address: 526 S ALAMEDA ST
Site City: LOS ANGELES
Site Zip: 90013
Enf Action Date: 06-10-2010
Enf Action Type: Notice of Violation
Enf Action Description: Notice of Violation
Enf Action Notes: nov
Enf Action Division: Water Boards
Enf Action Program: INDSTW
Enf Action Source: SMARTS,

Site ID: 530759
Site Name: Downtown Metals Recycling
Site Address: 526 S ALAMEDA ST
Site City: LOS ANGELES
Site Zip: 90013
Enf Action Date: 06-16-2009
Enf Action Type: Industrial Storm Water Enforcement
Enf Action Description: Industrial Storm Water Enforcement
Enf Action Notes: Ordered to submit 2007-08 AR.
Enf Action Division: Water Boards
Enf Action Program: INDSTW
Enf Action Source: SMARTS,

Affiliation:
Affiliation Type Desc: Owner/Operator
Entity Name: Downtown Metals Recycling
Entity Title: Operator
Affiliation Address: 526 S Alameda St
Affiliation City: Los Angeles

DOWNTOWN METALS & RECYCLING (Continued) **S106103208**

Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 90013
Affiliation Phone: .

Name: DOWNTOWN METALS & RECYCLING CENTER
Address: 526 S ALAMEDA ST
City,State,Zip: LOS ANGELES, CA 90013
Site ID: 574015
CERS ID: 10660027
CERS Description: Chemical Storage Facilities

Violations:
Site ID: 574015
Site Name: DOWNTOWN METALS & RECYCLING CENTER
Violation Date: 09-14-2015
Citation: 22 CCR 16 66266.81(a)(4)(B) - California Code of Regulations, Title 22, Chapter 16, Section(s) 66266.81(a)(4)(B)
Violation Description: Failure to retain disposal records of spent lead batteries for three years.
Violation Notes: Returned to compliance on 10/05/2015. OBSERVATION: Bills of lading or manifests for the management of lead acid batteries for the last three years were not found on site. A copy of each bill of lading must be kept on site for at least three years. Observed no bill os lading for used lead acid batteries for reviewing on site at time of inspection. Observed business is receiving used lead acid batteries on site. CORRECTIVE ACTION: Immediately locate a copy of all bills of lading or manifests for lead acid batteries for the last three years, maintain them on site, and submit copies to the CUPA by October 14, 2015.
Violation Division: Los Angeles County Fire Department
Violation Program: HW
Violation Source: CERS,

Site ID: 574015
Site Name: DOWNTOWN METALS & RECYCLING CENTER
Violation Date: 09-14-2015
Citation: HSC 6.5 Multiple - California Health and Safety Code, Chapter 6.5, Section(s) Multiple
Violation Description: Haz Waste Generator Program - Administration/Documentation - General
Violation Notes: Returned to compliance on 10/05/2015. 12.50.075 Permit Required - Every business or business concern within the jurisdiction of the LACoCUPA and subject to on or more of the program elements shall be required to apply for, pay the permit fees required by this chapter, and obtain from the LACoCUPA a unified program facility permit for the program elements applicable to such facility prior to the commencement of any business or activity related to any of the program elements. The permit required under this section shall be posted and conspicuously displayed at the location falling under the requirements of this chapter. Observed no Certified Unified Program Agency Consolidated Permit issued by City of Los Angeles Fire Department for reviewing on site at time of inspection.
Violation Division: Los Angeles County Fire Department
Violation Program: HW
Violation Source: CERS,

Site ID: 574015
Site Name: DOWNTOWN METALS & RECYCLING CENTER

DOWNTOWN METALS & RECYCLING (Continued) **S106103208**

Violation Date: 09-14-2015
Citation: HSC 6.5 25250.19(c) - California Health and Safety Code, Chapter 6.5, Section(s) 25250.19(c)
Violation Description: Failure to retain paperwork documenting disposal of used oil for three years.
Violation Notes: Returned to compliance on 10/05/2015. OBSERVATION: The Owner/Operator failed to retain paperwork documenting disposal of used oil for 3 years. Observed no service records or receipts for fork lifts on site. CORRECTIVE ACTION: The Owner/Operator shall maintain copies documenting disposal of used oil for minimum of 3 years. Provide service records or receipts for servicing the folk lifts.
Violation Division: Los Angeles County Fire Department
Violation Program: HW
Violation Source: CERS,

Evaluation:
Eval General Type: Compliance Evaluation Inspection
Eval Date: 07-15-2019
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Los Angeles City Fire Department
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 05-08-2020
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: FACILITY OOB
Eval Division: Los Angeles County Fire Department
Eval Program: HW
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 07-16-2019
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: CERS and Inspection report review for 526 S Alameda
Eval Division: Los Angeles City Fire Department
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 07-13-2016
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Business was a referral from DMU to check to see if there is Hazmats. Business has 1 Hazmat - used for their 2 forklifts on site. Propane - 5 gal cylinder approximately 20 cylinders onsite. Under CUPA, Propane is classified as a gas and they do go over the quantity limits of 200 cu ft. 1 propane cylinder would be 240 cu ft. Owner was not present during time of inspection. Talk to Eduardo (employee), who will forward the inspections and what we discuss to the owner. They might decide to get rid of all their propane tanks, States does allow an exception of 2 propane tanks on site. Owner will contact back to let me know his decision. At this time, business does not have a permit or

DOWNTOWN METALS & RECYCLING (Continued) **S106103208**

is in CUPA.
Eval Division: Los Angeles City Fire Department
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 08-20-2022
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Consent to enter, inspect and take photographs was given by: Mikhail Vortman The Business Activities, Owner/Operator Identification, Hazardous Materials Inventory, Site Map, Emergency Response/Contingency Plan and Employee Training Plan sections were reviewed in CERS and field verified. Review and correct any violations indicated previously in this report, on or before the COMPLY BY date associated with each violation. NOTE: The LAMC, Sections (L.A.M.C. SECTION 57.105.1.4; 57.120.3; 57.121.2 and 57.121.2.1.) requires businesses that store, use or handle hazardous materials in the City of Los Angeles to obtain a Consolidated Permit from the Los Angeles Fire Department CUPA **** Annual submission of a Hazardous Materials Business Plan into California Environmental Reporting System (CERS) is required between January 1 and March 1 of every year. Per L.A.M.C. 57.121.3.5, failure to submit the required hazardous material business plan (HMBP) information annually into [Truncated]
Eval Division: Los Angeles City Fire Department
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 09-10-2018
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Gerarado Salazar
Eval Division: Los Angeles County Fire Department
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 09-14-2015
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Jose Luis Vargas (Worker)
Eval Division: Los Angeles County Fire Department
Eval Program: HW
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 10-05-2015
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Los Angeles County Fire Department
Eval Program: HW
Eval Source: CERS,

Affiliation:
Affiliation Type Desc: Legal Owner

DOWNTOWN METALS & RECYCLING (Continued) **S106103208**

Entity Name:	Mikhail Vortman
Entity Title:	Not reported
Affiliation Address:	526 South Alameda St
Affiliation City:	Los Angeles
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	90013
Affiliation Phone:	(213) 595-5000,
Affiliation Type Desc:	CUPA District
Entity Name:	Los Angeles City Fire Department
Entity Title:	Not reported
Affiliation Address:	200 North Main Street, Room 1780
Affiliation City:	Los Angeles
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	90012
Affiliation Phone:	(213) 978-3680,
Affiliation Type Desc:	Document Preparer
Entity Name:	Mikhail Vortman
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	.
Affiliation Type Desc:	Operator
Entity Name:	Mikhail Vortman
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	(213) 595-4647,
Affiliation Type Desc:	Parent Corporation
Entity Name:	CA RECYCLING, INC
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	.
Affiliation Type Desc:	Environmental Contact
Entity Name:	Gerardo Salazar
Entity Title:	Not reported
Affiliation Address:	526 South Alameda St
Affiliation City:	Los Angeles
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	90013

DOWNTOWN METALS & RECYCLING (Continued) **S106103208**

Affiliation Phone: .

Affiliation Type Desc: Facility Mailing Address
Entity Name: Mailing Address
Entity Title: Not reported
Affiliation Address: 526 South Alameda St
Affiliation City: Los Angeles
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 90013
Affiliation Phone: .

Affiliation Type Desc: Identification Signer
Entity Name: Mikhail Vortman
Entity Title: CEO
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: .

HWTS:
Name: DOWNTOWN METALS & RECYCLING CENTER
Address: 526 S ALAMEDA ST
Address 2: Not reported
City,State,Zip: LOS ANGELES, CA 90013
EPA ID: CAL000377781
Inactive Date: Not reported
Create Date: 08/29/2012
Last Act Date: Not reported
Mailing Name: Not reported
Mailing Address: 526 S ALAMEDA ST
Mailing Address 2: Not reported
Mailing City,State,Zip: LOS ANGELES, CA 900130000
Owner Name: MIKHAIL VORTMAN
Owner Address: 526 S ALAMEDA ST
Owner Address 2: Not reported
Owner City,State,Zip: LOS ANGELES, CA 900131708
Contact Name: EUGENE VORTMAN
Contact Address: 526 S ALAMEDA ST
Contact Address 2: Not reported
City,State,Zip: LOS ANGELES, CA 90013
Facility Status: Active
Facility Type: PERMANENT
Category: STATE
Latitude: 34.0406
Longitude: -118.23771

NAICS:
EPA ID: CAL000377781
Create Date: 2012-08-29 14:22:17.047
NAICS Code: 42193
NAICS Description: Recyclable Material Wholesalers
Issued EPA ID Date: 2012-08-29 14:22:16.98300
Inactive Date: Not reported

DOWNTOWN METALS & RECYCLING (Continued) **S106103208**

Facility Name:	DOWNTOWN METALS & RECYCLING CENTER
Facility Address:	526 S ALAMEDA ST
Facility Address 2:	Not reported
Facility City:	LOS ANGELES
Facility County:	Not reported
Facility State:	CA
Facility Zip:	900130000

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250 NNW 1/4-1/2 0.393 mi. 2077 ft. **SITE 2 EAST - BRIDGE PROJECT** **US BROWNFIELDS** **1018273348**
E 6TH ST EASTERN PORTION OF THE EAST SIXTH STREET BRIDGE **N/A**
LOS ANGELES, CA 90013

Relative: Higher
Actual: 254 ft.

US BROWNFIELDS:

Name:	SITE 2 EAST - BRIDGE PROJECT
Address:	E 6TH ST EASTERN PORTION OF THE EAST SIXTH STREET BRIDGE
City,State,Zip:	LOS ANGELES, CA 90013
Recipient Name:	Los Angeles, City of
Grant Type:	Assessment
Property Number:	-
Parcel size:	0.9
Latitude:	34.0403026
Longitude:	-118.2420828
HCM Label:	Address Matching-House Number
Map Scale:	-
Point of Reference:	Entrance Point of a Facility or Station
Highlights:	-
Datum:	North American Datum of 1983
Acres Property ID:	167381
IC Data Access:	-
Start Date:	-
Redev Completition Date:	-
Completed Date:	-
Acres Cleaned Up:	-
Cleanup Funding:	-
Cleanup Funding Source:	-
Assessment Funding:	6905
Assessment Funding Source:	EPA
Redevelopment Funding:	-
Redev. Funding Source:	-
Redev. Funding Entity Name:	-
Redevelopment Start Date:	-
Assessment Funding Entity:	US EPA - Brownfields Assessment Cooperative Agreement
Cleanup Funding Entity:	-
Grant Type:	Petroleum
Accomplishment Type:	Phase I Environmental Assessment
Accomplishment Count:	Y
Cooperative Agreement Number:	96934601
Start Date:	10/22/2013
Ownership Entity:	-
Completion Date:	10/22/2013
Current Owner:	-
Did Owner Change:	-
Cleanup Required:	U
Video Available:	-
Photo Available:	-

SITE 2 EAST - BRIDGE PROJECT (Continued) **1018273348**

Institutional Controls Required:	U
IC Category Proprietary Controls:	-
IC Cat. Info. Devices:	-
IC Cat. Gov. Controls:	-
IC Cat. Enforcement Permit Tools:	-
IC in place date:	-
IC in place:	-
State/tribal program date:	-
State/tribal program ID:	-
State/tribal NFA date:	-
Air cleaned:	-
Asbestos found:	-
Asbestos cleaned:	-
Controled substance found:	-
Controled substance cleaned:	-
Drinking water affected:	-
Drinking water cleaned:	-
Groundwater affected:	-
Groundwater cleaned:	-
Lead contaminant found:	-
Lead cleaned up:	-
No media affected:	-
Unknown media affected:	-
Other cleaned up:	-
Other metals found:	-
Other metals cleaned:	-
Other contaminants found:	-
Other contams found description:	-
PAHs found:	-
PAHs cleaned up:	-
PCBs found:	-
PCBs cleaned up:	-
Petro products found:	-
Petro products cleaned:	-
Sediments found:	-
Sediments cleaned:	-
Soil affected:	-
Soil cleaned up:	-
Surface water cleaned:	-
VOCs found:	-
VOCs cleaned:	-
Cleanup other description:	-
Num. of cleanup and re-dev. jobs:	-
Past use greenspace acreage:	-
Past use residential acreage:	-
Surface Water:	-
Past use commercial acreage:	-
Past use industrial acreage:	-
Future use greenspace acreage:	-
Future use residential acreage:	-
Future use commercial acreage:	-
Future use industrial acreage:	-
Superfund Fed. landowner flag:	-
Arsenic cleaned up:	-
Cadmium cleaned up:	-
Chromium cleaned up:	-
Copper cleaned up:	-

SITE 2 EAST - BRIDGE PROJECT (Continued) **1018273348**

Iron cleaned up:	-
mercury cleaned up:	-
Nickel Cleaned Up:	-
No clean up:	-
Pesticides cleaned up:	-
Selenium cleaned up:	-
SVOCs cleaned up:	-
Unknown clean up:	-
Arsenic contaminant found:	-
Cadmium contaminant found:	-
Chromium contaminant found:	-
Copper contaminant found:	-
Iron contaminant found:	-
Mercury contaminant found:	-
Nickel contaminant found:	-
No contaminant found:	-
Pesticides contaminant found:	-
Selenium contaminant found:	-
SVOCs contaminant found:	-
Unknown contaminant found:	-
Future Use: Multistory	-
Media affected Bluiding Material:	-
Media affected indoor air:	-
Building material media cleaned up:	-
Indoor air media cleaned up:	-
Unknown media cleaned up:	-
Past Use: Multistory	-
Property Description:	-
Below Poverty Number:	4832
Below Poverty Percent:	64.57
Meidan Income:	2217
Meidan Income Number:	6146
Meidan Income Percent:	82.13
Vacant Housing Number:	650
Vacant Housing Percent:	16.42
Unemployed Number:	676
Unemployed Percent:	9.03

251
ENE
1/4-1/2
0.397 mi.
2095 ft.

EXLEY EXPRESS **SEMS-ARCHIVE** **1003878819**
634 S MATEO ST **CAD981161078**
LOS ANGELES, CA 90021

Relative:
Higher

Actual:
251 ft.

SEMS Archive:

Site ID:	0902262
EPA ID:	CAD981161078
Name:	EXLEY EXPRESS
Address:	634 S MATEO ST
Address 2:	Not reported
City,State,Zip:	LOS ANGELES, CA 90021
Cong District:	25
FIPS Code:	06037
FF:	N
NPL:	Not on the NPL
Non NPL Status:	NFRAP-Site does not qualify for the NPL based on existing information

SEMS Archive Detail:

EXLEY EXPRESS (Continued) **1003878819**

Region:	09
Site ID:	0902262
EPA ID:	CAD981161078
Site Name:	EXLEY EXPRESS
NPL:	N
FF:	N
OU:	00
Action Code:	VS
Action Name:	ARCH SITE
SEQ:	1
Start Date:	Not reported
Finish Date:	1989-01-18 05:00:00
Qual:	Not reported
Current Action Lead:	EPA Perf In-Hse

Region:	09
Site ID:	0902262
EPA ID:	CAD981161078
Site Name:	EXLEY EXPRESS
NPL:	N
FF:	N
OU:	00
Action Code:	PA
Action Name:	PA
SEQ:	1
Start Date:	Not reported
Finish Date:	1989-01-18 05:00:00
Qual:	N
Current Action Lead:	EPA Perf

Region:	09
Site ID:	0902262
EPA ID:	CAD981161078
Site Name:	EXLEY EXPRESS
NPL:	N
FF:	N
OU:	00
Action Code:	PA
Action Name:	PA
SEQ:	2
Start Date:	1985-09-01 05:00:00
Finish Date:	1986-02-01 05:00:00
Qual:	L
Current Action Lead:	St Perf

Region:	09
Site ID:	0902262
EPA ID:	CAD981161078
Site Name:	EXLEY EXPRESS
NPL:	N
FF:	N
OU:	00
Action Code:	DS
Action Name:	DISCVRY
SEQ:	1
Start Date:	1985-11-01 06:00:00
Finish Date:	1985-11-01 06:00:00

EXLEY EXPRESS (Continued) **1003878819**

Qual: Not reported
Current Action Lead: St Perf

AS252 **GOLDEN PLATING, INC.** **ENVIROSTOR** **S110493871**
ESE **930 SO MATEO** **N/A**
1/4-1/2 **LOS ANGELES, CA 90021**
0.399 mi.
2105 ft. **Site 1 of 2 in cluster AS**

Relative:
Lower

Actual:
245 ft.

ENVIROSTOR:

Name:	GOLDEN PLATING, INC.
Address:	930 SO MATEO
City,State,Zip:	LOS ANGELES, CA 90021
Facility ID:	71002675
Status:	Refer: Other Agency
Status Date:	Not reported
Site Code:	Not reported
Site Type:	Tiered Permit
Site Type Detailed:	Tiered Permit
Acres:	Not reported
NPL:	NO
Regulatory Agencies:	NONE SPECIFIED
Lead Agency:	NONE SPECIFIED
Program Manager:	Not reported
Supervisor:	Not reported
Division Branch:	Cleanup Chatsworth
Assembly:	53
Senate:	24
Special Program:	Not reported
Restricted Use:	NO
Site Mgmt Req:	NONE SPECIFIED
Funding:	Not reported
Latitude:	34.03170
Longitude:	-118.2321
APN:	NONE SPECIFIED
Past Use:	NONE SPECIFIED
Potential COC:	NONE SPECIFIED
Confirmed COC:	NONE SPECIFIED
Potential Description:	NONE SPECIFIED
Alias Name:	CAD139410401
Alias Type:	EPA Identification Number
Alias Name:	71002675
Alias Type:	Envirostor ID Number

Completed Info:

Completed Area Name:	Not reported
Completed Sub Area Name:	Not reported
Completed Document Type:	Not reported
Completed Date:	Not reported
Comments:	Not reported
Future Area Name:	Not reported
Future Sub Area Name:	Not reported
Future Document Type:	Not reported
Future Due Date:	Not reported
Schedule Area Name:	Not reported
Schedule Sub Area Name:	Not reported

GOLDEN PLATING, INC. (Continued) **S110493871**

Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

AR253 **ROLO TRANSPORTATION** **LUST** **S106087134**
NNE **536 SEATON STREET** **Cortese** **N/A**
1/4-1/2 **LOS ANELES, CA 90013** **CERS**
0.400 mi.
2110 ft. **Site 2 of 3 in cluster AR**

Relative:
Higher

Actual:
256 ft.

LUST:
Name: ROLO TRANSPORTATION
Address: 536 SEATON STREET
City,State,Zip: LOS ANELES, CA 90013
Lead Agency: LOS ANGELES RWQCB (REGION 4)
Case Type: LUST Cleanup Site
Geo Track: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0603792226
Global Id: T0603792226
Latitude: 34.040971
Longitude: -118.237292
Status: Completed - Case Closed
Status Date: 09/21/2009
Case Worker: MR
RB Case Number: 900130061
Local Agency: LOS ANGELES, CITY OF
File Location: Regional Board
Local Case Number: Not reported
Potential Media Affect: Soil
Potential Contaminants of Concern: Gasoline
Site History: Not reported

LUST:
Global Id: T0603792226
Contact Type: Local Agency Caseworker
Contact Name: ELOY LUNA
Organization Name: LOS ANGELES, CITY OF
Address: 200 North Main Street, Suite 1780
City: LOS ANGELES
Email: eloy.luna@lacity.org
Phone Number: Not reported

Global Id: T0603792226
Contact Type: Regional Board Caseworker
Contact Name: Maryam Renard
Organization Name: LOS ANGELES RWQCB (REGION 4)
Address: 320 W. 4TH ST., SUITE 200
City: LOS ANGELES
Email: maryam.renard@waterboards.ca.gov
Phone Number: 2135766699

LUST:
Global Id: T0603792226
Action Type: ENFORCEMENT
Date: 01/31/2006
Action: Staff Letter

Global Id: T0603792226
Action Type: ENFORCEMENT

ROLO TRANSPORTATION (Continued) **S106087134**

Date: 12/17/2008
Action: Staff Letter

Global Id: T0603792226
Action Type: ENFORCEMENT
Date: 02/18/2009
Action: Staff Letter

Global Id: T0603792226
Action Type: RESPONSE
Date: 01/20/2007
Action: Soil and Water Investigation Workplan

Global Id: T0603792226
Action Type: RESPONSE
Date: 07/17/2007
Action: Soil and Water Investigation Report

Global Id: T0603792226
Action Type: RESPONSE
Date: 01/15/2008
Action: Monitoring Report - Quarterly

Global Id: T0603792226
Action Type: Other
Date: 08/05/2002
Action: Leak Reported

Global Id: T0603792226
Action Type: RESPONSE
Date: 01/15/2009
Action: Soil and Water Investigation Workplan

Global Id: T0603792226
Action Type: ENFORCEMENT
Date: 09/21/2009
Action: Closure/No Further Action Letter

Global Id: T0603792226
Action Type: RESPONSE
Date: 04/15/2009
Action: Monitoring Report - Quarterly

Global Id: T0603792226
Action Type: RESPONSE
Date: 03/18/2009
Action: Well Installation Report

Global Id: T0603792226
Action Type: RESPONSE
Date: 03/03/2006
Action: Other Report / Document

Global Id: T0603792226
Action Type: RESPONSE
Date: 04/15/2008
Action: Monitoring Report - Quarterly

ROLO TRANSPORTATION (Continued) **S106087134**

Global Id: T0603792226
Action Type: Other
Date: 05/16/2002
Action: Leak Discovery

Global Id: T0603792226
Action Type: RESPONSE
Date: 07/15/2008
Action: Monitoring Report - Quarterly

LUST:
Global Id: T0603792226
Status: Open - Case Begin Date
Status Date: 05/16/2002

Global Id: T0603792226
Status: Open - Site Assessment
Status Date: 11/01/2005

Global Id: T0603792226
Status: Open - Site Assessment
Status Date: 01/20/2007

Global Id: T0603792226
Status: Completed - Case Closed
Status Date: 09/21/2009

CORTESE:
Name: ROLO TRANSPORTATION
Address: 536 SEATON STREET
City,State,Zip: LOS ANELES, CA 90013
Region: CORTESE
Envirostor Id: Not reported
Global ID: T0603792226
Site/Facility Type: LUST CLEANUP SITE
Cleanup Status: COMPLETED - CASE CLOSED
Status Date: Not reported
Site Code: Not reported
Latitude: Not reported
Longitude: Not reported
Owner: Not reported
Enf Type: Not reported
Swat R: Not reported
Flag: active
Order No: Not reported
Waste Discharge System No: Not reported
Effective Date: Not reported
Region 2: Not reported
WID Id: Not reported
Solid Waste Id No: Not reported
Waste Management Uit Name: Not reported
File Name: Active Open

CERS:
Name: ROLO TRANSPORTATION

ROLO TRANSPORTATION (Continued) **S106087134**

Address:	536 SEATON STREET
City,State,Zip:	LOS ANELES, CA 90013
Site ID:	201758
CERS ID:	T0603792226
CERS Description:	Leaking Underground Storage Tank Cleanup Site

Affiliation:

Affiliation Type Desc:	Local Agency Caseworker
Entity Name:	ELOY LUNA - LOS ANGELES, CITY OF
Entity Title:	Not reported
Affiliation Address:	200 North Main Street, Suite 1780
Affiliation City:	LOS ANGELES
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	.

Affiliation Type Desc:	Regional Board Caseworker
Entity Name:	Maryam Renard - LOS ANGELES RWQCB (REGION 4)
Entity Title:	Not reported
Affiliation Address:	320 W. 4TH ST., SUITE 200
Affiliation City:	LOS ANGELES
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	2135766699,

AS254 **MV PUBLIC TRANSPORTATION INC** **SWF/LF** **S113144423**
ESE **2016 BAY ST** **HAZNET** **N/A**
1/4-1/2 **LOS ANGELES, CA 90021** **MWMP**
0.415 mi. **HAZMAT**
2189 ft. **Site 2 of 2 in cluster AS** **HWTS**

Relative: **Lower**

Actual: **244 ft.**

SWF/LF (SWIS):

Name:	GAIACA DTLA
Address:	2016 BAY STREET
City,State,Zip:	LOS ANGELES (CITY), CA 90021
Region:	STATE
Facility ID:	19-AR-1273
SWIS Number:	19-AR-1273
Point of Contact:	Benjamin Escotto
Is Archived:	No
Is Closed Illegal Abandoned:	No
Is Site Inert Debris Engineered Fill:	No
Is Financial Assurances Responsible:	No
Absorbed On:	Not reported
Operational Status:	Active
Absorbed By:	Not reported
Closed Illegal Abandoned Category:	Not reported
EPA Federal Registry ID:	Not reported
ARB District:	South Coast
SWRCB Region:	Los Angeles
Local Government:	Los Angeles County (Unincorporated)
Reporting Agency Legal Name:	City of Los Angeles
Reporting Agency Department:	Los Angeles Dept of Building & Safety, Local Enforcement Agency Program
Enforcing Agency Legal Name:	City of Los Angeles

MV PUBLIC TRANSPORTATION INC (Continued) **S113144423**

Enforcing Agency Department: Los Angeles Dept of Building & Safety, Local Enforcement Agency Program
Regulation Status: Notification

Activity:
SWIS Number: 19-AR-1273
Site Name: GAIACA DTLA
Activity: Limited Volume Transfer Operation
Activity Is Archived: No
Category: Transfer/Processing
Activity Classification: Solid Waste Operation
WDR Number: Not reported
WDR Landfill Class: Not reported
Cease Operation: Not reported
Cease Operation Type: Not reported
Inspection Frequency: Quarterly
Throughput: 60
Throughput Units: Cubic Yards per Day
Remaining Capacity: Not reported
Remaining Capacity Date: Not reported
Capacity: 21900
Capacity Units: Cubic Yards per year
Total Acreage: 0.2
Disposal Acreage: Not reported
Permitted Elevation: Not reported
Permitted Elevation Type: Not reported
Permitted Depth: Not reported
Permitted Depth Type: Not reported
Point of Contact: Benjamin Escotto
Site Operational Status: Active
Site Regulatory Status: Notification
Site Is Archived: No
Is Closed Illegal Abandoned: No
Is Site Inert Debris Engineered Fill: No
Is Financial Assurances Responsible: No
Absorbed On: Not reported
Absorbed By: Not reported
Closed Illegal Abandoned Category: Not reported
EPA Federal Registry ID: Not reported
County: Los Angeles
ARB District: South Coast
SWRCB Region: Los Angeles
Local Government: Los Angeles County (Unincorporated)
Street Address: 2016 Bay Street
City: Los Angeles (City)
State: CA
ZIP Code: 90021
Reporting Agency Legal Name: City of Los Angeles
Reporting Agency Department: Los Angeles Dept of Building & Safety, Local Enforcement Agency Program
Enforcing Agency Legal Name: City of Los Angeles
Enforcing Agency Department: Los Angeles Dept of Building & Safety, Local Enforcement Agency Program

Operator:
SWIS Number: 19-AR-1273
Site Name: GAIACA DTLA

MV PUBLIC TRANSPORTATION INC (Continued) **S113144423**

Site Operational Status:	Active
Site Type:	Non-Disposal Only
Site Regulatory Status:	Notification
Latitude:	34.0309
Longitude:	-118.2314
Is Archived:	No
Operator:	Gaiaca, LLC
Started On:	Not reported
Contact Name:	Jonathan Lee
Contact Title:	Not reported
Contact Email:	jlee@gaiaca
Contact Phone:	(831) 264-4242
Street Address:	PO Box 188
Operator City:	Gonzalez
Operator State:	CA
Operator Zip:	93926

Owner:

SWIS Number:	19-AR-1273
Owner:	SRG Properties
Owner Address:	143 Groverton Place
Owner City:	Los Angeles
Owner State:	CA
Owner Zip:	90077
Site Name:	GAIACA DTLA
Site Operational Status:	Active
Site Type:	Non-Disposal Only
Site Regulatory Status:	Notification
Latitude:	34.0309
Longitude:	-118.2314
Is Archived:	No
Started On:	Not reported
Contact Name:	Bruce Kramer
Contact Title:	Not reported
Contact Email:	loft@hdbuttercup.com
Contact Phone:	(310) 804-4770

Waste:

SWIS Number:	19-AR-1273
Site Name:	GAIACA DTLA
Activity:	Limited Volume Transfer Operation
Waste Type:	Green Materials
Site Is Archived:	No
Site Operational Status:	Active
Site Regulatory Status:	Notification
Site Type:	Non-Disposal Only
Point of Contact:	Benjamin Escotto
Activity Is Archived:	No
Activity Operational Status:	Active
Activity Regulatory Status:	Notification
Activity Category:	Transfer/Processing
Activity Classification:	Solid Waste Operation

SWIS Number:	19-AR-1273
Site Name:	GAIACA DTLA
Activity:	Limited Volume Transfer Operation

MV PUBLIC TRANSPORTATION INC (Continued) **S113144423**

Waste Type:	Mixed municipal
Site Is Archived:	No
Site Operational Status:	Active
Site Regulatory Status:	Notification
Site Type:	Non-Disposal Only
Point of Contact:	Benjamin Escotto
Activity Is Archived:	No
Activity Operational Status:	Active
Activity Regulatory Status:	Notification
Activity Category:	Transfer/Processing
Activity Classification:	Solid Waste Operation

HAZNET:

Name:	MV PUBLIC TRANSPORTATION INC
Address:	2016 BAY ST
Address 2:	Not reported
City,State,Zip:	LOS ANGELES, CA 900211706
Contact:	ADRIENNE GRAY
Telephone:	9723914646
Mailing Name:	Not reported
Mailing Address:	360 N K ST
Year:	2020
Gepaid:	CAL000311558
TSD EPA ID:	CAD044429835
CA Waste Code:	352 - Other organic solids
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.05
Year:	2020
Gepaid:	CAL000311558
TSD EPA ID:	CAD044429835
CA Waste Code:	223 - Unspecified oil-containing waste
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.225
Year:	2019
Gepaid:	CAL000311558
TSD EPA ID:	AZR000003681
CA Waste Code:	223 - Unspecified oil-containing waste
Disposal Method:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Tons:	0.30000
Year:	2019
Gepaid:	CAL000311558
TSD EPA ID:	CAD044429835
CA Waste Code:	223 - Unspecified oil-containing waste
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.47500
Year:	2019
Gepaid:	CAL000311558

MV PUBLIC TRANSPORTATION INC (Continued) **S113144423**

TSD EPA ID:	CAD044429835
CA Waste Code:	352 - Other organic solids
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Recovery (H010-H129) Or (H131-H135)
Tons:	0.27500
Year:	2018
Gepaid:	CAL000311558
TSD EPA ID:	CAD044429835
CA Waste Code:	352 - Other organic solids
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Recovery (H010-H129) Or (H131-H135)
Tons:	0.50000
Year:	2018
Gepaid:	CAL000311558
TSD EPA ID:	AZR000003681
CA Waste Code:	223 - Unspecified oil-containing waste
Disposal Method:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Tons:	0.35000
Year:	2018
Gepaid:	CAL000311558
TSD EPA ID:	CAD059494310
CA Waste Code:	223 - Unspecified oil-containing waste
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Recovery (H010-H129) Or (H131-H135)
Tons:	0.17500
Year:	2018
Gepaid:	CAL000311558
TSD EPA ID:	CAD044429835
CA Waste Code:	223 - Unspecified oil-containing waste
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Recovery (H010-H129) Or (H131-H135)
Tons:	0.35000
Year:	2017
Gepaid:	CAL000311558
TSD EPA ID:	CAD044429835
CA Waste Code:	352 - Other organic solids
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Recovery (H010-H129) Or (H131-H135)
Tons:	0.55

Click this hyperlink while viewing on your computer to access
12 additional CA HAZNET: record(s) in the EDR Site Report.

Additional Info:

Year:	2020
Gen EPA ID:	CAL000311558
Shipment Date:	4/29/2020
Creation Date:	5/26/2020
Receipt Date:	5/6/2020

MV PUBLIC TRANSPORTATION INC (Continued) **S113144423**

Manifest ID:	007454825SKS
Trans EPA ID:	TXR000081205
Trans Name:	Safety-Kleen Systems, Inc.
Trans 2 EPA ID:	MAD039322250
Trans 2 Name:	Clean Harbors Environmental Services, Inc.
TSDF EPA ID:	CAD044429835
Trans Name:	Clean Harbors Wilmington LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.05
Waste Quantity:	100
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	4/29/2020
Creation Date:	5/26/2020
Receipt Date:	5/6/2020
Manifest ID:	007454825SKS
Trans EPA ID:	TXR000081205
Trans Name:	Safety-Kleen Systems, Inc.
Trans 2 EPA ID:	MAD039322250
Trans 2 Name:	Clean Harbors Environmental Services, Inc.
TSDF EPA ID:	CAD044429835
Trans Name:	Clean Harbors Wilmington LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.075
Waste Quantity:	150
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	3/23/2020
Creation Date:	4/27/2020
Receipt Date:	4/7/2020
Manifest ID:	007434109SKS
Trans EPA ID:	TXR000081205
Trans Name:	Safety-Kleen Systems, Inc.
Trans 2 EPA ID:	MAD039322250
Trans 2 Name:	Clean Harbors Environmental Services, Inc.
TSDF EPA ID:	CAD044429835
Trans Name:	Clean Harbors Wilmington LLC

MV PUBLIC TRANSPORTATION INC (Continued) **S113144423**

TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.15
Waste Quantity:	300
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Detail Two:

Year:	2020
EM Manifest ID:	0deb7aa8-d2e1-4c84-80bd-4f76cb408279
Shipment Date:	4/29/2020
Receipt Date:	5/6/2020
Manifest Number:	007454825SKS
Generator EPA ID:	CAL000311558
Name:	MV TRANSPORTATION 64
Address:	2016 BAY ST
Address 2:	Not reported
City:	LOS ANGELES
Zip:	90021
Telephone:	800-483-3718
Contact:	Jorge Maduena
Contact Telephone:	805-473-4995
Transporter 1 EPA ID:	TXR000081205
Transporter 1 Emergency Number:	Not reported
Transporter 2 EPA ID:	MAD039322250
Transporter 2 Emergency Number:	Not reported
TSDF EPA ID:	CAD044429835
TSDF Name:	Clean Harbors Wilmington LLC
TSDF Address 1:	1737 East Denni Street
TSDF Address 2:	Not reported
TSDF City:	Wilmington
TSDF Zip:	90744
TSDF Telephone:	800-483-3718

State:

Year:	2020
EM Manifest ID:	0deb7aa8-d2e1-4c84-80bd-4f76cb408279
Generator EPA ID:	CAL000311558
Shipment Date:	2020-04-29
Manifest Number:	007454825SKS
Line Number:	1
Method Code:	H141
Quantity Tons:	0.05000
Quantity Waste:	100.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Metal drums, barrels, kegs
Quantity Type:	Pounds
State Code:	352

MV PUBLIC TRANSPORTATION INC (Continued) **S113144423**

Year:	2020
EM Manifest ID:	0deb7aa8-d2e1-4c84-80bd-4f76cb408279
Generator EPA ID:	CAL000311558
Shipment Date:	2020-04-29
Manifest Number:	007454825SKS
Line Number:	2
Method Code:	H141
Quantity Tons:	0.07500
Quantity Waste:	150.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Metal drums, barrels, kegs
Quantity Type:	Pounds
State Code:	223

Year:	2020
EM Manifest ID:	495168e4-585d-4e39-a4e0-1b911f44cecc
Shipment Date:	3/23/2020
Receipt Date:	4/7/2020
Manifest Number:	007434109SKS
Generator EPA ID:	CAL000311558
Name:	MV TRANSPORTATION 64
Address:	2016 BAY ST
Address 2:	Not reported
City:	LOS ANGELES
Zip:	90021
Telephone:	800-483-3718
Contact:	Jorge Maduena
Contact Telephone:	805-473-4995
Transporter 1 EPA ID:	TXR000081205
Transporter 1 Emergency Number:	Not reported
Transporter 2 EPA ID:	MAD039322250
Transporter 2 Emergency Number:	Not reported
TSDF EPA ID:	CAD044429835
TSDF Name:	Clean Harbors Wilmington LLC
TSDF Address 1:	1737 East Denni Street
TSDF Address 2:	Not reported
TSDF City:	Wilmington
TSDF Zip:	90744
TSDF Telephone:	800-483-3718

State:

Year:	2020
EM Manifest ID:	495168e4-585d-4e39-a4e0-1b911f44cecc
Generator EPA ID:	CAL000311558
Shipment Date:	2020-03-23
Manifest Number:	007434109SKS
Line Number:	1
Method Code:	H141
Quantity Tons:	0.15000
Quantity Waste:	300.000000
Quantity Unit:	P
Number of Containers:	2
Type of Container:	Metal drums, barrels, kegs
Quantity Type:	Pounds
State Code:	223

MV PUBLIC TRANSPORTATION INC (Continued) **S113144423**

Year:	2020
EM Manifest ID:	932639
Shipment Date:	12/13/2019
Receipt Date:	1/2/2020
Manifest Number:	007282890SKS
Generator EPA ID:	CAL000311558
Name:	MV TRANSPORTATION 64
Address:	2016 BAY ST
Address 2:	Not reported
City:	LOS ANGELES
Zip:	90021
Telephone:	800-483-3718
Contact:	Jorge Madueno
Contact Telephone:	805-473-4995
Transporter 1 EPA ID:	TXR000081205
Transporter 1 Emergency Number:	Not reported
Transporter 2 EPA ID:	MAD039322250
Transporter 2 Emergency Number:	Not reported
TSDF EPA ID:	CAD044429835
TSDF Name:	Clean Harbors Wilmington LLC
TSDF Address 1:	1737 East Denni Street
TSDF Address 2:	Not reported
TSDF City:	Wilmington
TSDF Zip:	90744
TSDF Telephone:	800-483-3718

State:

Year:	2020
EM Manifest ID:	932639
Generator EPA ID:	CAL000311558
Shipment Date:	2019-12-13
Manifest Number:	007282890SKS
Line Number:	1
Method Code:	H141
Quantity Tons:	0.20000
Quantity Waste:	400.000000
Quantity Unit:	P
Number of Containers:	2
Type of Container:	Metal drums, barrels, kegs
Quantity Type:	Pounds
State Code:	223

Detail Two:

Year:	2019
EM Manifest ID:	531768
Shipment Date:	7/27/2019
Receipt Date:	8/8/2019
Manifest Number:	006750216SKS
Generator EPA ID:	CAL000311558
Name:	MV TRANSPORTATION 64
Address:	2016 BAY ST
Address 2:	Not reported
City:	LOS ANGELES
Zip:	90021
Telephone:	800-483-3718
Contact:	Jorge Madueno

MV PUBLIC TRANSPORTATION INC (Continued) **S113144423**

Contact Telephone: 805-473-4995
Transporter 1 EPA ID: TXR000081205
Transporter 1 Emergency Number: Not reported
Transporter 2 EPA ID: MAD039322250
Transporter 2 Emergency Number: Not reported
TSDF EPA ID: CAD044429835
TSDF Name: Clean Harbors Wilmington LLC
TSDF Address 1: 1737 East Denni Street
TSDF Address 2: Not reported
TSDF City: Wilmington
TSDF Zip: 90744
TSDF Telephone: 800-483-3718

State:
Year: 2019
EM Manifest ID: 531768
Generator EPA ID: CAL000311558
Shipment Date: 2019-07-27
Manifest Number: 006750216SKS
Line Number: 1
Method Code: H141
Quantity Tons: 0.15000
Quantity Waste: 300.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: Metal drums, barrels, kegs
Quantity Type: Pounds
State Code: 352

Year: 2019
EM Manifest ID: 011845542FLE20180716_D_1
Shipment Date: 7/16/2018
Receipt Date: 7/27/2018
Manifest Number: 011845542FLE
Generator EPA ID: CAL000311558
Name: MV TRANSPORTATION 64
Address: Not reported
Address 2: Not reported
City: Not reported
Zip: Not reported
Telephone: Not reported
Contact: Not reported
Contact Telephone: Not reported
Transporter 1 EPA ID: TXR000081205
Transporter 1 Emergency Number: Not reported
Transporter 2 EPA ID: MAD039322250
Transporter 2 Emergency Number: Not reported
TSDF EPA ID: AZR000003681
TSDF Name: THERMO FLUIDS INC
TSDF Address 1: Not reported
TSDF Address 2: Not reported
TSDF City: Not reported
TSDF Zip: Not reported
TSDF Telephone: Not reported

State:
Year: 2019

MV PUBLIC TRANSPORTATION INC (Continued) **S113144423**

EM Manifest ID:	011845542FLE20180716_D_1
Generator EPA ID:	CAL000311558
Shipment Date:	2018-07-16
Manifest Number:	011845542FLE
Line Number:	1
Method Code:	H039
Quantity Tons:	0.15000
Quantity Waste:	300.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
State Code:	223

Year:	2019
EM Manifest ID:	b2d26f1f-828a-4198-a962-28d3021319dc
Shipment Date:	5/17/2019
Receipt Date:	5/24/2019
Manifest Number:	007048701SKS
Generator EPA ID:	CAL000311558
Name:	MV TRANSPORTATION 64
Address:	2016 BAY ST
Address 2:	Not reported
City:	LOS ANGELES
Zip:	90021
Telephone:	800-483-3718
Contact:	Jorge Madueno
Contact Telephone:	805-473-4995
Transporter 1 EPA ID:	TXR000081205
Transporter 1 Emergency Number:	Not reported
Transporter 2 EPA ID:	MAD039322250
Transporter 2 Emergency Number:	Not reported
TSDF EPA ID:	AZR000003681
TSDF Name:	Thermo Fluids, Inc.
TSDF Address 1:	4301 West Jefferson Street
TSDF Address 2:	Not reported
TSDF City:	Phoenix
TSDF Zip:	85043
TSDF Telephone:	800-483-3718

State:

Year:	2019
EM Manifest ID:	b2d26f1f-828a-4198-a962-28d3021319dc
Generator EPA ID:	CAL000311558
Shipment Date:	2019-05-17
Manifest Number:	007048701SKS
Line Number:	1
Method Code:	H039
Quantity Tons:	0.30000
Quantity Waste:	600.000000
Quantity Unit:	P
Number of Containers:	2
Type of Container:	Metal drums, barrels, kegs
Quantity Type:	Pounds
State Code:	223

MV PUBLIC TRANSPORTATION INC (Continued) **S113144423**

Year:	2019
EM Manifest ID:	14416736-c885-4dc1-8aab-58859e2e6c45
Shipment Date:	5/17/2019
Receipt Date:	5/30/2019
Manifest Number:	007029714SKS
Generator EPA ID:	CAL000311558
Name:	MV TRANSPORTATION 64
Address:	2016 BAY ST
Address 2:	Not reported
City:	LOS ANGELES
Zip:	90021
Telephone:	800-483-3718
Contact:	Jorge Madueno
Contact Telephone:	805-473-4995
Transporter 1 EPA ID:	TXR000081205
Transporter 1 Emergency Number:	Not reported
Transporter 2 EPA ID:	MAD039322250
Transporter 2 Emergency Number:	Not reported
TSDF EPA ID:	CAD044429835
TSDF Name:	Clean Harbors Wilmington LLC
TSDF Address 1:	1737 East Denni Street
TSDF Address 2:	Not reported
TSDF City:	Wilmington
TSDF Zip:	90744
TSDF Telephone:	800-483-3718

State:

Year:	2019
EM Manifest ID:	14416736-c885-4dc1-8aab-58859e2e6c45
Generator EPA ID:	CAL000311558
Shipment Date:	2019-05-17
Manifest Number:	007029714SKS
Line Number:	1
Method Code:	H141
Quantity Tons:	0.05000
Quantity Waste:	100.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Metal drums, barrels, kegs
Quantity Type:	Pounds
State Code:	352

Year:	2019
EM Manifest ID:	14416736-c885-4dc1-8aab-58859e2e6c45
Generator EPA ID:	CAL000311558
Shipment Date:	2019-05-17
Manifest Number:	007029714SKS
Line Number:	2
Method Code:	H141
Quantity Tons:	0.07500
Quantity Waste:	150.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Metal drums, barrels, kegs
Quantity Type:	Pounds
State Code:	223

MV PUBLIC TRANSPORTATION INC (Continued) **S113144423**

Year: 2019
EM Manifest ID: 5a0c57eb-c330-43b6-8072-d63f34dd1f10
Shipment Date: 3/14/2019
Receipt Date: 3/26/2019
Manifest Number: 006964618SKS
Generator EPA ID: CAL000311558
Name: MV TRANSPORTATION 64
Address: 2016 BAY ST
Address 2: Not reported
City: LOS ANGELES
Zip: 90021
Telephone: 800-483-3718
Contact: Jorge Madueno
Contact Telephone: 805-473-4995
Transporter 1 EPA ID: TXR000081205
Transporter 1 Emergency Number: Not reported
Transporter 2 EPA ID: MAD039322250
Transporter 2 Emergency Number: Not reported
TSDF EPA ID: CAD044429835
TSDF Name: Clean Harbors Wilmington LLC
TSDF Address 1: 1737 East Denni Street
TSDF Address 2: Not reported
TSDF City: Wilmington
TSDF Zip: 90744
TSDF Telephone: 800-483-3718

State:
Year: 2019
EM Manifest ID: 5a0c57eb-c330-43b6-8072-d63f34dd1f10
Generator EPA ID: CAL000311558
Shipment Date: 2019-03-14
Manifest Number: 006964618SKS
Line Number: 1
Method Code: H141
Quantity Tons: 0.10000
Quantity Waste: 200.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: Metal drums, barrels, kegs
Quantity Type: Pounds
State Code: 223

Year: 2019
EM Manifest ID: 235133
Shipment Date: 12/8/2018
Receipt Date: 12/19/2018
Manifest Number: 006668117SKS
Generator EPA ID: CAL000311558
Name: MV TRANSPORTATION 64
Address: 2016 BAY ST
Address 2: Not reported
City: LOS ANGELES
Zip: 90021
Telephone: 800-483-3718
Contact: Jorge Madueno
Contact Telephone: 805-473-4995
Transporter 1 EPA ID: TXR000081205

MV PUBLIC TRANSPORTATION INC (Continued) **S113144423**

Transporter 1 Emergency Number:	Not reported
Transporter 2 EPA ID:	MAD039322250
Transporter 2 Emergency Number:	Not reported
TSDF EPA ID:	CAD044429835
TSDF Name:	Clean Harbors Wilmington LLC
TSDF Address 1:	1737 East Denni Street
TSDF Address 2:	Not reported
TSDF City:	Wilmington
TSDF Zip:	90744
TSDF Telephone:	800-483-3718

State:

Year:	2019
EM Manifest ID:	235133
Generator EPA ID:	CAL000311558
Shipment Date:	2018-12-08
Manifest Number:	006668117SKS
Line Number:	1
Method Code:	H141
Quantity Tons:	0.07500
Quantity Waste:	150.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Metal drums, barrels, kegs
Quantity Type:	Pounds
State Code:	352

Year:	2019
EM Manifest ID:	235133
Generator EPA ID:	CAL000311558
Shipment Date:	2018-12-08
Manifest Number:	006668117SKS
Line Number:	2
Method Code:	H141
Quantity Tons:	0.10000
Quantity Waste:	200.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Metal drums, barrels, kegs
Quantity Type:	Pounds
State Code:	223

Year:	2019
EM Manifest ID:	43931
Shipment Date:	10/2/2019
Receipt Date:	10/9/2019
Manifest Number:	007166225SKS
Generator EPA ID:	CAL000311558
Name:	MV TRANSPORTATION 64
Address:	2016 BAY ST
Address 2:	Not reported
City:	LOS ANGELES
Zip:	90021
Telephone:	800-483-3718
Contact:	Jorge Madueno
Contact Telephone:	805-473-4995
Transporter 1 EPA ID:	TXR000081205

MV PUBLIC TRANSPORTATION INC (Continued) **S113144423**

Transporter 1 Emergency Number:	Not reported
Transporter 2 EPA ID:	MAD039322250
Transporter 2 Emergency Number:	Not reported
TSDF EPA ID:	CAD044429835
TSDF Name:	Clean Harbors Wilmington LLC
TSDF Address 1:	1737 East Denni Street
TSDF Address 2:	Not reported
TSDF City:	Wilmington
TSDF Zip:	90744
TSDF Telephone:	800-483-3718

State:

Year:	2019
EM Manifest ID:	43931
Generator EPA ID:	CAL000311558
Shipment Date:	2019-10-02
Manifest Number:	007166225SKS
Line Number:	1
Method Code:	H141
Quantity Tons:	0.05000
Quantity Waste:	100.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Metal drums, barrels, kegs
Quantity Type:	Pounds
State Code:	352

Year:	2019
EM Manifest ID:	43931
Generator EPA ID:	CAL000311558
Shipment Date:	2019-10-02
Manifest Number:	007166225SKS
Line Number:	2
Method Code:	H141
Quantity Tons:	0.07500
Quantity Waste:	150.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Metal drums, barrels, kegs
Quantity Type:	Pounds
State Code:	223

Year:	2019
EM Manifest ID:	fcd4dae7-6bb5-49e0-940a-866188dd6bb0
Shipment Date:	1/15/2019
Receipt Date:	1/28/2019
Manifest Number:	006937044SKS
Generator EPA ID:	CAL000311558
Name:	MV TRANSPORTATION 64
Address:	2016 BAY ST
Address 2:	Not reported
City:	LOS ANGELES
Zip:	90021
Telephone:	800-483-3718
Contact:	Jorge Madueno
Contact Telephone:	805-473-4995
Transporter 1 EPA ID:	TXR000081205

MV PUBLIC TRANSPORTATION INC (Continued) **S113144423**

Transporter 1 Emergency Number:	Not reported
Transporter 2 EPA ID:	MAD039322250
Transporter 2 Emergency Number:	Not reported
TSDF EPA ID:	CAD044429835
TSDF Name:	Clean Harbors Wilmington LLC
TSDF Address 1:	1737 East Denni Street
TSDF Address 2:	Not reported
TSDF City:	Wilmington
TSDF Zip:	90744
TSDF Telephone:	800-483-3718

State:

Year:	2019
EM Manifest ID:	fcd4dae7-6bb5-49e0-940a-866188dd6bb0
Generator EPA ID:	CAL000311558
Shipment Date:	2019-01-15
Manifest Number:	006937044SKS
Line Number:	1
Method Code:	H141
Quantity Tons:	0.07500
Quantity Waste:	150.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Metal drums, barrels, kegs
Quantity Type:	Pounds
State Code:	352

Year:	2019
EM Manifest ID:	fcd4dae7-6bb5-49e0-940a-866188dd6bb0
Generator EPA ID:	CAL000311558
Shipment Date:	2019-01-15
Manifest Number:	006937044SKS
Line Number:	2
Method Code:	H141
Quantity Tons:	0.10000
Quantity Waste:	200.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Metal drums, barrels, kegs
Quantity Type:	Pounds
State Code:	223

Year:	2019
EM Manifest ID:	c21b59f3-3fab-403c-b15a-de4cf82e8848
Shipment Date:	1/15/2019
Receipt Date:	1/25/2019
Manifest Number:	006652626SKS
Generator EPA ID:	CAL000311558
Name:	MV TRANSPORTATION 64
Address:	2016 BAY ST
Address 2:	Not reported
City:	LOS ANGELES
Zip:	90021
Telephone:	800-483-3718
Contact:	Jorge Madueno
Contact Telephone:	805-473-4995
Transporter 1 EPA ID:	TXR000081205

MV PUBLIC TRANSPORTATION INC (Continued) **S113144423**

Transporter 1 Emergency Number:	Not reported
Transporter 2 EPA ID:	MAD039322250
Transporter 2 Emergency Number:	Not reported
TSDF EPA ID:	AZR000003681
TSDF Name:	Thermo Fluids, Inc.
TSDF Address 1:	4301 West Jefferson Street
TSDF Address 2:	Not reported
TSDF City:	Phoenix
TSDF Zip:	85043
TSDF Telephone:	800-483-3718

State:

Year:	2019
EM Manifest ID:	c21b59f3-3fab-403c-b15a-de4cf82e8848
Generator EPA ID:	CAL000311558
Shipment Date:	2019-01-15
Manifest Number:	006652626SKS
Line Number:	1
Method Code:	H039
Quantity Tons:	0.30000
Quantity Waste:	600.000000
Quantity Unit:	P
Number of Containers:	2
Type of Container:	Metal drums, barrels, kegs
Quantity Type:	Pounds
State Code:	223

Detail Two:

Year:	2018
EM Manifest ID:	005550132SKS20170915_D_1
Shipment Date:	9/15/2017
Receipt Date:	10/6/2017
Manifest Number:	005550132SKS
Generator EPA ID:	CAL000311558
Name:	MV TRANSPORTATION 64
Address:	Not reported
Address 2:	Not reported
City:	Not reported
Zip:	Not reported
Telephone:	Not reported
Contact:	Not reported
Contact Telephone:	Not reported
Transporter 1 EPA ID:	TXR000081205
Transporter 1 Emergency Number:	Not reported
Transporter 2 EPA ID:	MAD039322250
Transporter 2 Emergency Number:	Not reported
TSDF EPA ID:	CAD059494310
TSDF Name:	CLEAN HARBORS SAN JOSE
TSDF Address 1:	Not reported
TSDF Address 2:	Not reported
TSDF City:	Not reported
TSDF Zip:	Not reported
TSDF Telephone:	Not reported

State:

Year:	2018
EM Manifest ID:	005550132SKS20170915_D_1

MV PUBLIC TRANSPORTATION INC (Continued) **S113144423**

Generator EPA ID:	CAL000311558
Shipment Date:	2017-09-15
Manifest Number:	005550132SKS
Line Number:	1
Method Code:	H141
Quantity Tons:	0.07500
Quantity Waste:	150.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
State Code:	223

Year:	2018
EM Manifest ID:	005951965SKS20170915_D_1
Shipment Date:	9/15/2017
Receipt Date:	10/2/2017
Manifest Number:	005951965SKS
Generator EPA ID:	CAL000311558
Name:	MV TRANSPORTATION 64
Address:	Not reported
Address 2:	Not reported
City:	Not reported
Zip:	Not reported
Telephone:	Not reported
Contact:	Not reported
Contact Telephone:	Not reported
Transporter 1 EPA ID:	TXR000081205
Transporter 1 Emergency Number:	Not reported
Transporter 2 EPA ID:	MAD039322250
Transporter 2 Emergency Number:	Not reported
TSDF EPA ID:	CAD044429835
TSDF Name:	CLEAN HARBORS OF WILMINGTON LLC
TSDF Address 1:	Not reported
TSDF Address 2:	Not reported
TSDF City:	Not reported
TSDF Zip:	Not reported
TSDF Telephone:	Not reported

State:

Year:	2018
EM Manifest ID:	005951965SKS20170915_D_1
Generator EPA ID:	CAL000311558
Shipment Date:	2017-09-15
Manifest Number:	005951965SKS
Line Number:	1
Method Code:	H141
Quantity Tons:	0.05000
Quantity Waste:	100.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
State Code:	352

Year: 2018

MV PUBLIC TRANSPORTATION INC (Continued) **S113144423**

EM Manifest ID:	131982
Shipment Date:	9/10/2018
Receipt Date:	9/24/2018
Manifest Number:	011845082FLE
Generator EPA ID:	CAL000311558
Name:	MV TRANSPORTATION 64
Address:	2016 BAY ST
Address 2:	Not reported
City:	LOS ANGELES
Zip:	90021
Telephone:	800-483-3718
Contact:	Jorge Madueno
Contact Telephone:	805-473-4995
Transporter 1 EPA ID:	TXR000081205
Transporter 1 Emergency Number:	Not reported
Transporter 2 EPA ID:	MAD039322250
Transporter 2 Emergency Number:	Not reported
TSDF EPA ID:	CAD044429835
TSDF Name:	Clean Harbors Wilmington LLC
TSDF Address 1:	1737 East Denni Street
TSDF Address 2:	Not reported
TSDF City:	Wilmington
TSDF Zip:	90744
TSDF Telephone:	800-483-3718

State:

Year:	2018
EM Manifest ID:	131982
Generator EPA ID:	CAL000311558
Shipment Date:	2018-09-10
Manifest Number:	011845082FLE
Line Number:	1
Method Code:	H141
Quantity Tons:	0.07500
Quantity Waste:	150.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Metal drums, barrels, kegs
Quantity Type:	Pounds
State Code:	223

Year:	2018
EM Manifest ID:	115512
Shipment Date:	8/14/2018
Receipt Date:	9/4/2018
Manifest Number:	011845081FLE
Generator EPA ID:	CAL000311558
Name:	MV TRANSPORTATION 64
Address:	2016 BAY ST
Address 2:	Not reported
City:	LOS ANGELES
Zip:	90021
Telephone:	800-483-3718
Contact:	Jorge Madueno
Contact Telephone:	805-473-4995
Transporter 1 EPA ID:	TXR000081205
Transporter 1 Emergency Number:	Not reported

MV PUBLIC TRANSPORTATION INC (Continued) **S113144423**

Transporter 2 EPA ID:	MAD039322250
Transporter 2 Emergency Number:	Not reported
TSDF EPA ID:	CAD044429835
TSDF Name:	Clean Harbors Wilmington LLC
TSDF Address 1:	1737 East Denni Street
TSDF Address 2:	Not reported
TSDF City:	Wilmington
TSDF Zip:	90744
TSDF Telephone:	800-483-3718

State:

Year:	2018
EM Manifest ID:	115512
Generator EPA ID:	CAL000311558
Shipment Date:	2018-08-14
Manifest Number:	011845081FLE
Line Number:	1
Method Code:	H141
Quantity Tons:	0.06250
Quantity Waste:	125.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Metal drums, barrels, kegs
Quantity Type:	Pounds
State Code:	352

Year:	2018
EM Manifest ID:	115512
Generator EPA ID:	CAL000311558
Shipment Date:	2018-08-14
Manifest Number:	011845081FLE
Line Number:	2
Method Code:	H141
Quantity Tons:	0.06250
Quantity Waste:	125.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Metal drums, barrels, kegs
Quantity Type:	Pounds
State Code:	223

Year:	2018
EM Manifest ID:	006006477SKS20170721_D_1
Shipment Date:	7/21/2017
Receipt Date:	8/4/2017
Manifest Number:	006006477SKS
Generator EPA ID:	CAL000311558
Name:	MV TRANSPORTATION 64
Address:	Not reported
Address 2:	Not reported
City:	Not reported
Zip:	Not reported
Telephone:	Not reported
Contact:	Not reported
Contact Telephone:	Not reported
Transporter 1 EPA ID:	TXR000081205
Transporter 1 Emergency Number:	Not reported

MV PUBLIC TRANSPORTATION INC (Continued) **S113144423**

Transporter 2 EPA ID: MAD039322250
Transporter 2 Emergency Number: Not reported
TSDF EPA ID: AZR000003681
TSDF Name: THERMO FLUIDS INC
TSDF Address 1: Not reported
TSDF Address 2: Not reported
TSDF City: Not reported
TSDF Zip: Not reported
TSDF Telephone: Not reported

State:
Year: 2018
EM Manifest ID: 006006477SKS20170721_D_1
Generator EPA ID: CAL000311558
Shipment Date: 2017-07-21
Manifest Number: 006006477SKS
Line Number: 1
Method Code: H039
Quantity Tons: 0.20000
Quantity Waste: 400.000000
Quantity Unit: P
Number of Containers: 2
Type of Container: NULL
Quantity Type: NULL
State Code: 223

Year: 2018
EM Manifest ID: 005266627SKS20170721_D_1
Shipment Date: 7/21/2017
Receipt Date: 7/31/2017
Manifest Number: 005266627SKS
Generator EPA ID: CAL000311558
Name: WJ TRANSPORTATION CY
Address: Not reported
Address 2: Not reported
City: Not reported
Zip: Not reported
Telephone: Not reported
Contact: Not reported
Contact Telephone: Not reported
Transporter 1 EPA ID: TXR000081205
Transporter 1 Emergency Number: Not reported
Transporter 2 EPA ID: MAD039322250
Transporter 2 Emergency Number: Not reported
TSDF EPA ID: CAD044429835
TSDF Name: CLEAN HARBORS WILMINGTON LLC
TSDF Address 1: Not reported
TSDF Address 2: Not reported
TSDF City: Not reported
TSDF Zip: Not reported
TSDF Telephone: Not reported

State:
Year: 2018
EM Manifest ID: 005266627SKS20170721_D_1
Generator EPA ID: CAL000311558
Shipment Date: 2017-07-21

MV PUBLIC TRANSPORTATION INC (Continued) **S113144423**

Manifest Number:	005266627SKS
Line Number:	1
Method Code:	H141
Quantity Tons:	0.07500
Quantity Waste:	150.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
State Code:	352

Year:	2018
EM Manifest ID:	006006478SKS20170721_D_1
Shipment Date:	7/21/2017
Receipt Date:	8/9/2017
Manifest Number:	006006478SKS
Generator EPA ID:	CAL000311558
Name:	MV TRANSPORTATION 64
Address:	Not reported
Address 2:	Not reported
City:	Not reported
Zip:	Not reported
Telephone:	Not reported
Contact:	Not reported
Contact Telephone:	Not reported
Transporter 1 EPA ID:	TXR000081205
Transporter 1 Emergency Number:	Not reported
Transporter 2 EPA ID:	MAD039322250
Transporter 2 Emergency Number:	Not reported
TSDF EPA ID:	CAD059494310
TSDF Name:	CLEAN HARBORS SAN JOSE
TSDF Address 1:	Not reported
TSDF Address 2:	Not reported
TSDF City:	Not reported
TSDF Zip:	Not reported
TSDF Telephone:	Not reported

State:

Year:	2018
EM Manifest ID:	006006478SKS20170721_D_1
Generator EPA ID:	CAL000311558
Shipment Date:	2017-07-21
Manifest Number:	006006478SKS
Line Number:	1
Method Code:	H141
Quantity Tons:	0.07500
Quantity Waste:	150.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
State Code:	223

Year:	2018
EM Manifest ID:	93606
Shipment Date:	7/16/2018

MV PUBLIC TRANSPORTATION INC (Continued) **S113144423**

Receipt Date:	7/25/2018
Manifest Number:	011845541FLE
Generator EPA ID:	CAL000311558
Name:	MV TRANSPORTATION 64
Address:	2016 BAY ST
Address 2:	Not reported
City:	LOS ANGELES
Zip:	90021
Telephone:	800-483-3718
Contact:	Jorge Madueno
Contact Telephone:	805-473-4995
Transporter 1 EPA ID:	TXR000081205
Transporter 1 Emergency Number:	Not reported
Transporter 2 EPA ID:	MAD039322250
Transporter 2 Emergency Number:	Not reported
TSDF EPA ID:	CAD044429835
TSDF Name:	Clean Harbors Wilmington LLC
TSDF Address 1:	1737 East Denni Street
TSDF Address 2:	Not reported
TSDF City:	Wilmington
TSDF Zip:	90744
TSDF Telephone:	800-483-3718

State:

Year:	2018
EM Manifest ID:	93606
Generator EPA ID:	CAL000311558
Shipment Date:	2018-07-16
Manifest Number:	011845541FLE
Line Number:	1
Method Code:	H141
Quantity Tons:	0.05000
Quantity Waste:	100.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Metal drums, barrels, kegs
Quantity Type:	Pounds
State Code:	223

Year:	2018
EM Manifest ID:	006111959SKS20170607_D_1
Shipment Date:	6/7/2017
Receipt Date:	6/22/2017
Manifest Number:	006111959SKS
Generator EPA ID:	CAL000311558
Name:	MV TRANSPORTATION 64
Address:	Not reported
Address 2:	Not reported
City:	Not reported
Zip:	Not reported
Telephone:	Not reported
Contact:	Not reported
Contact Telephone:	Not reported
Transporter 1 EPA ID:	TXR000081205
Transporter 1 Emergency Number:	Not reported
Transporter 2 EPA ID:	MAD039322250
Transporter 2 Emergency Number:	Not reported

MV PUBLIC TRANSPORTATION INC (Continued) **S113144423**

TSDF EPA ID: AZR000003681
TSDF Name: THERMO FLUIDS INC
TSDF Address 1: Not reported
TSDF Address 2: Not reported
TSDF City: Not reported
TSDF Zip: Not reported
TSDF Telephone: Not reported

State:
Year: 2018
EM Manifest ID: 006111959SKS20170607_D_1
Generator EPA ID: CAL000311558
Shipment Date: 2017-06-07
Manifest Number: 006111959SKS
Line Number: 1
Method Code: H039
Quantity Tons: 0.10000
Quantity Waste: 200.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: NULL
Quantity Type: NULL
State Code: 223

Year: 2018
EM Manifest ID: 005550131SKS20170505_D_1
Shipment Date: 5/5/2017
Receipt Date: 5/19/2017
Manifest Number: 005550131SKS
Generator EPA ID: CAL000311558
Name: MV TRANSPORTATION 64
Address: Not reported
Address 2: Not reported
City: Not reported
Zip: Not reported
Telephone: Not reported
Contact: Not reported
Contact Telephone: Not reported
Transporter 1 EPA ID: TXR000081205
Transporter 1 Emergency Number: Not reported
Transporter 2 EPA ID: MAD039322250
Transporter 2 Emergency Number: Not reported
TSDF EPA ID: CAD059494310
TSDF Name: CLEAN HARBORS SAN JOSE
TSDF Address 1: Not reported
TSDF Address 2: Not reported
TSDF City: Not reported
TSDF Zip: Not reported
TSDF Telephone: Not reported

State:
Year: 2018
EM Manifest ID: 005550131SKS20170505_D_1
Generator EPA ID: CAL000311558
Shipment Date: 2017-05-05
Manifest Number: 005550131SKS
Line Number: 1

MV PUBLIC TRANSPORTATION INC (Continued) **S113144423**

Method Code:	H141
Quantity Tons:	0.07500
Quantity Waste:	150.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
State Code:	223

Additional Info:

Year:	2017
Gen EPA ID:	CAL000311558
Shipment Date:	20171229
Creation Date:	6/20/2018 18:31:41
Receipt Date:	20180108
Manifest ID:	006189949SKS
Trans EPA ID:	TXR000081205
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	MAD039322250
Trans 2 Name:	CLEAN HARBORS ENVIRONMENTAL SVC INC
TSDF EPA ID:	CAD044429835
Trans Name:	CLEAN HARBORS OF WILMINGTON LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.1
Waste Quantity:	200
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20171229
Creation Date:	10/26/2018 18:30:27
Receipt Date:	20180112
Manifest ID:	006190041SKS
Trans EPA ID:	TXR000081205
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	MAD039322250
Trans 2 Name:	CLEAN HARBORS ENVIRONMENTAL SVC INC
TSDF EPA ID:	AZR000003681
Trans Name:	THERMO FLUIDS INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	0.2
Waste Quantity:	400

MV PUBLIC TRANSPORTATION INC (Continued) **S113144423**

Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20171229
Creation Date:	9/26/2018 18:30:27
Receipt Date:	20180111
Manifest ID:	006190042SKS
Trans EPA ID:	TXR000081205
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	MAD039322250
Trans 2 Name:	CLEAN HARBORS ENVIRONMENTAL SVC INC
TSDF EPA ID:	CAD059494310
Trans Name:	CLEAN HARBORS SAN JOSE
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.075
Waste Quantity:	150
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20171114
Creation Date:	8/7/2018 18:30:18
Receipt Date:	20171207
Manifest ID:	006265497SKS
Trans EPA ID:	TXR000081205
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	MAD039322250
Trans 2 Name:	CLEAN HARBORS ENVIRONMENTAL SVC INC
TSDF EPA ID:	CAD059494310
Trans Name:	CLEAN HARBORS SAN JOSE
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.075
Waste Quantity:	150
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

MV PUBLIC TRANSPORTATION INC (Continued) **S113144423**

Shipment Date:	20171114
Creation Date:	6/13/2018 18:31:31
Receipt Date:	20171127
Manifest ID:	006295069SKS
Trans EPA ID:	TXR000081205
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	MAD039322250
Trans 2 Name:	CLEAN HARBORS ENVIRONMENTAL SVC INC
TSDF EPA ID:	CAD044429835
Trans Name:	CLEAN HARBORS OF WILMINGTON LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0875
Waste Quantity:	175
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20170915
Creation Date:	6/20/2018 18:31:56
Receipt Date:	20171006
Manifest ID:	005550132SKS
Trans EPA ID:	TXR000081205
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	MAD039322250
Trans 2 Name:	CLEAN HARBORS ENVIR SVS INC
TSDF EPA ID:	CAD059494310
Trans Name:	CLEAN HARBORS SAN JOSE
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.075
Waste Quantity:	150
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20170915
Creation Date:	6/13/2018 18:30:55
Receipt Date:	20171002
Manifest ID:	005951965SKS
Trans EPA ID:	TXR000081205
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	MAD039322250

MV PUBLIC TRANSPORTATION INC (Continued) **S113144423**

Trans 2 Name:	CLEAN HARBORS
TSDF EPA ID:	CAD044429835
Trans Name:	CLEAN HARBORS OF WILMINGTON LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.05
Waste Quantity:	100
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20170721
Creation Date:	8/1/2018 18:31:15
Receipt Date:	20170804
Manifest ID:	006006477SKS
Trans EPA ID:	TXR000081205
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	MAD039322250
Trans 2 Name:	CLEAN HARBORS ENVIRONMENTAL SERVICES INC
TSDF EPA ID:	AZR000003681
Trans Name:	THERMO FLUIDS INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	0.2
Waste Quantity:	400
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20170721
Creation Date:	6/27/2018 18:30:40
Receipt Date:	20170809
Manifest ID:	006006478SKS
Trans EPA ID:	TXR000081205
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	MAD039322250
Trans 2 Name:	CLEAN HARBORS ENVIRONMENTAL SERVICES INC
TSDF EPA ID:	CAD059494310
Trans Name:	CLEAN HARBORS SAN JOSE
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported

MV PUBLIC TRANSPORTATION INC (Continued) **S113144423**

Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.075
Waste Quantity:	150
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20170721
Creation Date:	5/31/2018 18:30:42
Receipt Date:	20170731
Manifest ID:	005266627SKS
Trans EPA ID:	TXR000081205
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	MAD039322250
Trans 2 Name:	CLEAN HARBORS
TSDF EPA ID:	CAD044429835
Trans Name:	CLEAN HARBORS WILMINGTON LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.075
Waste Quantity:	150
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2016
Gen EPA ID:	CAL000311558
Shipment Date:	20151229
Creation Date:	5/24/2016 16:38:09
Receipt Date:	20160111
Manifest ID:	005118541SKS
Trans EPA ID:	TXR000081205
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD044429835
Trans Name:	CLEAN HARBORS WILMINGTON LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.075

MV PUBLIC TRANSPORTATION INC (Continued) **S113144423**

Waste Quantity:	150
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20151028
Creation Date:	1/11/2016 22:16:49
Receipt Date:	20151112
Manifest ID:	004803028SKS
Trans EPA ID:	TXR000081205
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD044429835
Trans Name:	CLEAN HARBORS WILMINGTON LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.1
Waste Quantity:	200
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20150826
Creation Date:	11/5/2015 22:15:33
Receipt Date:	20150910
Manifest ID:	004758502SKS
Trans EPA ID:	TXR000081205
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD044429835
Trans Name:	CLEAN HARBORS WILMINGTON LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.075
Waste Quantity:	150
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

MV PUBLIC TRANSPORTATION INC (Continued) **S113144423**

Shipment Date:	20150626
Creation Date:	9/11/2015 22:15:40
Receipt Date:	20150709
Manifest ID:	004758031SKS
Trans EPA ID:	TXR000081205
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD044429835
Trans Name:	CLEAN HARBORS WILMINGTON LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.075
Waste Quantity:	150
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20150505
Creation Date:	7/8/2015 22:15:46
Receipt Date:	20150519
Manifest ID:	004805046SKS
Trans EPA ID:	TXR000081205
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD044429835
Trans Name:	CLEAN HARBORS WILMINGTON LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.075
Waste Quantity:	150
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20150130
Creation Date:	4/21/2015 22:14:53
Receipt Date:	20150216
Manifest ID:	004726680SKS
Trans EPA ID:	TXR000081205
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported

MV PUBLIC TRANSPORTATION INC (Continued) **S113144423**

Trans 2 Name:	Not reported
TSDF EPA ID:	CAD044429835
Trans Name:	CLEAN HARBORS WILMINGTON LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.1
Waste Quantity:	200
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2015
Gen EPA ID:	CAL000311558
Shipment Date:	20151229
Creation Date:	5/24/2016 16:38:09
Receipt Date:	20160111
Manifest ID:	005118541SKS
Trans EPA ID:	TXR000081205
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD044429835
Trans Name:	CLEAN HARBORS WILMINGTON LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.075
Waste Quantity:	150
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20151028
Creation Date:	1/11/2016 22:16:49
Receipt Date:	20151112
Manifest ID:	004803028SKS
Trans EPA ID:	TXR000081205
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD044429835
Trans Name:	CLEAN HARBORS WILMINGTON LLC

MV PUBLIC TRANSPORTATION INC (Continued) **S113144423**

TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.1
Waste Quantity:	200
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20150826
Creation Date:	11/5/2015 22:15:33
Receipt Date:	20150910
Manifest ID:	004758502SKS
Trans EPA ID:	TXR000081205
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD044429835
Trans Name:	CLEAN HARBORS WILMINGTON LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.075
Waste Quantity:	150
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20150626
Creation Date:	9/11/2015 22:15:40
Receipt Date:	20150709
Manifest ID:	004758031SKS
Trans EPA ID:	TXR000081205
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD044429835
Trans Name:	CLEAN HARBORS WILMINGTON LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.075

MV PUBLIC TRANSPORTATION INC (Continued) **S113144423**

Waste Quantity:	150
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20150505
Creation Date:	7/8/2015 22:15:46
Receipt Date:	20150519
Manifest ID:	004805046SKS
Trans EPA ID:	TXR000081205
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD044429835
Trans Name:	CLEAN HARBORS WILMINGTON LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.075
Waste Quantity:	150
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20150130
Creation Date:	4/21/2015 22:14:53
Receipt Date:	20150216
Manifest ID:	004726680SKS
Trans EPA ID:	TXR000081205
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD044429835
Trans Name:	CLEAN HARBORS WILMINGTON LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.1
Waste Quantity:	200
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

MV PUBLIC TRANSPORTATION INC (Continued) **S113144423**

Additional Info:

Year:	2014
Gen EPA ID:	CAL000311558
Shipment Date:	20141119
Creation Date:	1/21/2015 22:15:08
Receipt Date:	20141125
Manifest ID:	004536492SKS
Trans EPA ID:	TXR000081205
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD044429835
Trans Name:	CLEAN HARBORS WILMINGTON LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.075
Waste Quantity:	150
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20141001
Creation Date:	12/29/2014 22:15:00
Receipt Date:	20141013
Manifest ID:	003934664SKS
Trans EPA ID:	TXR000081205
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD044429835
Trans Name:	CLEAN HARBORS WILMINGTON LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.075
Waste Quantity:	150
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20140827
Creation Date:	11/22/2014 22:15:06
Receipt Date:	20140915

MV PUBLIC TRANSPORTATION INC (Continued) **S113144423**

Manifest ID:	003934620SKS
Trans EPA ID:	TXR000081205
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD044429835
Trans Name:	CLEAN HARBORS WILMINGTON LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.075
Waste Quantity:	150
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20140717
Creation Date:	10/22/2014 22:15:11
Receipt Date:	20140804
Manifest ID:	004367177SKS
Trans EPA ID:	TXR000081205
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD044429835
Trans Name:	CLEAN HARBORS WILMINGTON LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.1
Waste Quantity:	200
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20140619
Creation Date:	9/22/2014 22:15:10
Receipt Date:	20140712
Manifest ID:	004367234SKS
Trans EPA ID:	TXR000081205
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD044429835
Trans Name:	CLEAN HARBORS WILMINGTON LLC

MV PUBLIC TRANSPORTATION INC (Continued) **S113144423**

TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	213 - Hydrocarbon solvents (benzene, hexane, Stoddard, etc.
RCRA Code:	D018
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.45
Waste Quantity:	900
Quantity Unit:	P
Additional Code 1:	D001
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20140610
Creation Date:	8/17/2014 22:15:17
Receipt Date:	20140624
Manifest ID:	004440016SKS
Trans EPA ID:	TXR000081205
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD044429835
Trans Name:	CLEAN HARBORS WILMINGTON LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.125
Waste Quantity:	250
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20140226
Creation Date:	4/30/2014 22:15:24
Receipt Date:	20140311
Manifest ID:	004097763SKS
Trans EPA ID:	TXR000081205
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD044429835
Trans Name:	CLEAN HARBORS WILMINGTON LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.15

MV PUBLIC TRANSPORTATION INC (Continued) **S113144423**

Waste Quantity:	300
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2013
Gen EPA ID:	CAL000311558
Shipment Date:	20130912
Creation Date:	3/6/2014 22:15:09
Receipt Date:	20130920
Manifest ID:	011730652JJK
Trans EPA ID:	TXR000081205
Trans Name:	SAFETY KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008252405
Trans Name:	PACIFIC RESOURCE RECOVERY
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	343 - Unspecified organic liquid mixture
RCRA Code:	D018
Meth Code:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons:	0.102
Waste Quantity:	30
Quantity Unit:	G
Additional Code 1:	D001
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20130528
Creation Date:	7/25/2013 22:15:10
Receipt Date:	20130528
Manifest ID:	010602297JJK
Trans EPA ID:	CAD982413262
Trans Name:	EVERGREEN ENVIRONMENTAL SERVICES
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD981696420
Trans Name:	EVERGREEN ENVIRONMENTAL SVCS
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.1
Waste Quantity:	200
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported

MV PUBLIC TRANSPORTATION INC (Continued) **S113144423**

Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20130122
Creation Date:	3/19/2013 22:15:10
Receipt Date:	20130122
Manifest ID:	010599212JJK
Trans EPA ID:	CAD982413262
Trans Name:	EVERGREEN ENVIRONMENTAL SERVICES
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD981696420
Trans Name:	EVERGREEN ENVIRONMENTAL SVCS
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.1
Waste Quantity:	200
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2012
Gen EPA ID:	CAL000311558
Shipment Date:	20121218
Creation Date:	2/14/2013 22:15:30
Receipt Date:	20121218
Manifest ID:	010599107JJK
Trans EPA ID:	CAD982413262
Trans Name:	EVERGREEN ENVIRONMENTAL SERVICES
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD981696420
Trans Name:	EVERGREEN ENVIRONMENTAL SVCS
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.125
Waste Quantity:	250
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

MV PUBLIC TRANSPORTATION INC (Continued) **S113144423**

Shipment Date:	20121009
Creation Date:	11/28/2012 22:15:34
Receipt Date:	20121009
Manifest ID:	010020921JJK
Trans EPA ID:	CAD982413262
Trans Name:	EVERGREEN ENVIRONMENTAL SERVICES
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD981696420
Trans Name:	EVERGREEN ENVIRONMENTAL SVCS
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.1
Waste Quantity:	200
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20120906
Creation Date:	10/23/2012 22:15:21
Receipt Date:	20120906
Manifest ID:	010020051JJK
Trans EPA ID:	CAD982413262
Trans Name:	EVERGREEN ENVIRONMENTAL SERVICES
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD981696420
Trans Name:	EVERGREEN ENVIRONMENTAL SVCS
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.1
Waste Quantity:	200
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20120703
Creation Date:	9/17/2012 22:15:18
Receipt Date:	20120703
Manifest ID:	010024743JJK
Trans EPA ID:	CAD982413262
Trans Name:	EVERGREEN ENVIRONMENTAL SERVICES
Trans 2 EPA ID:	Not reported

MV PUBLIC TRANSPORTATION INC (Continued) **S113144423**

Trans 2 Name:	Not reported
TSDF EPA ID:	CAD981696420
Trans Name:	EVERGREEN ENVIRONMENTAL SVCS
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.1
Waste Quantity:	200
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20120703
Creation Date:	6/1/2013 22:15:05
Receipt Date:	20120712
Manifest ID:	009484458JJK
Trans EPA ID:	CAD982413262
Trans Name:	EVERGREEN ENVIRONMENTAL SERVICES
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008252405
Trans Name:	PACIFIC RESOURCE RECOVERY
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	343 - Unspecified organic liquid mixture
RCRA Code:	D018
Meth Code:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons:	0.187
Waste Quantity:	55
Quantity Unit:	G
Additional Code 1:	D001
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20120406
Creation Date:	5/10/2012 20:30:12
Receipt Date:	20120406
Manifest ID:	008385348JJK
Trans EPA ID:	CAD982413262
Trans Name:	EVERGREEN ENVIRONMENTAL SERVICES
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD981696420
Trans Name:	EVERGREEN ENVIRONMENTAL SVCS
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No

MV PUBLIC TRANSPORTATION INC (Continued) **S113144423**

	Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.15
Waste Quantity:	300
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20120224
Creation Date:	4/11/2012 20:30:23
Receipt Date:	20120224
Manifest ID:	008385344JJK
Trans EPA ID:	CAD982413262
Trans Name:	EVERGREEN ENVIRONMENTAL SERVICES
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD981696420
Trans Name:	EVERGREEN ENVIRONMENTAL SVCS
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.125
Waste Quantity:	250
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2011
Gen EPA ID:	CAL000311558
Shipment Date:	20110923
Creation Date:	11/12/2011 18:30:11
Receipt Date:	20110923
Manifest ID:	008380384JJK
Trans EPA ID:	CAD982413262
Trans Name:	EVERGREEN ENVIRONMENTAL SERVICES
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD981696420
Trans Name:	EVERGREEN ENVIRONMENTAL SERVICES
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.1
Waste Quantity:	200

MV PUBLIC TRANSPORTATION INC (Continued) **S113144423**

Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

MWMP:

Name:	GAIACA WASTE REVITALIZATION DTLA
Address:	2016 BAY ST
City,State,Zip:	LOS ANGELES, CA 90021
Facility Type:	Transfer Only
Contact Name:	Jose Galindo
Contact Phone:	323-678-4242
Registration Number:	TS-156

LOS ANGELES HM:

Name:	MV TRANSPORTATION DIV 64
Address:	2016 BAY ST
City,State,Zip:	LOS ANGELES, CA 90021
Facility ID:	FA0038295
Last Run Date:	11/01/2022
Status:	INACTIVE

HWTS:

Name:	MV PUBLIC TRANSPORTATION INC
Address:	2016 BAY ST
Address 2:	Not reported
City,State,Zip:	LOS ANGELES, CA 90021
EPA ID:	CAL000311558
Inactive Date:	Not reported
Create Date:	09/14/2006
Last Act Date:	Not reported
Mailing Name:	Not reported
Mailing Address:	360 N K ST
Mailing Address 2:	Not reported
Mailing City,State,Zip:	TULARE, TX 93274
Owner Name:	MV PUBLIC TRANSPORTATION
Owner Address:	2711 N. HASKELL AVE.
Owner Address 2:	Not reported
Owner City,State,Zip:	DALLAS, TX 752040000
Contact Name:	ADRIENNE GRAY
Contact Address:	2711 N. HASKELL AVE.
Contact Address 2:	Not reported
City,State,Zip:	DALLAS, TX 75204
Facility Status:	Active
Facility Type:	PERMANENT
Category:	STATE
Latitude:	34.031484
Longitude:	-118.231576

NAICS:

EPA ID:	CAL000311558
Create Date:	2006-09-14 15:27:25.310
NAICS Code:	811111
NAICS Description:	General Automotive Repair

MV PUBLIC TRANSPORTATION INC (Continued) **S113144423**

Issued EPA ID Date:	2006-09-14 15:27:25.26000
Inactive Date:	Not reported
Facility Name:	MV PUBLIC TRANSPORTATION INC
Facility Address:	2016 BAY ST
Facility Address 2:	Not reported
Facility City:	LOS ANGELES
Facility County:	Not reported
Facility State:	CA
Facility Zip:	900211706

Name:	GAIACA DTLA/GAIACA LLC
Address:	2016 BAY ST
Address 2:	Not reported
City,State,Zip:	LOS ANGELES, CA 90021
EPA ID:	CAL000457283
Inactive Date:	Not reported
Create Date:	10/02/2020
Last Act Date:	Not reported
Mailing Name:	Not reported
Mailing Address:	PO BOX 188
Mailing Address 2:	Not reported
Mailing City,State,Zip:	GONZALES, CA 93926
Owner Name:	GAIACA LLC
Owner Address:	PO BOX 188
Owner Address 2:	Not reported
Owner City,State,Zip:	GONZALES, CA 93926
Contact Name:	SUSAN RIGMAIDEN
Contact Address:	PO BOX 188
Contact Address 2:	Not reported
City,State,Zip:	GONZALES, CA 93926
Facility Status:	Active
Facility Type:	PERMANENT
Category:	STATE
Latitude:	34.03122402
Longitude:	-118.231883

NAICS:

EPA ID:	CAL000457283
Create Date:	2020-10-02 13:10:12.303
NAICS Code:	484220
NAICS Description:	Specialized Freight (except Used Goods) Trucking, Local
Issued EPA ID Date:	2020-10-02 13:10:12.26700
Inactive Date:	Not reported
Facility Name:	GAIACA DTLA/GAIACA LLC
Facility Address:	2016 BAY ST
Facility Address 2:	Not reported
Facility City:	LOS ANGELES
Facility County:	Not reported
Facility State:	CA
Facility Zip:	90021

AR255
North
1/4-1/2
0.422 mi.
2227 ft.

Relative:
Higher

Actual:
257 ft.

ARCO
500 ALAMEDA ST S
LOS ANGELES, CA 90013

Site 3 of 3 in cluster AR

Database(s):
LUST
CERS HAZ WASTE
SWEEPS UST
CA FID UST
CERS TANKS
Cortese
HIST CORTESE
HAZNET
HAZMAT
CERS
HWTS

EDR ID Number: **S101582659**
EPA ID Number: **N/A**

LUST:

Name:	SUPER TEXACO
Address:	500 ALAMEDA ST
City,State,Zip:	LOS ANGELES, CA 90013
Lead Agency:	LOS ANGELES RWQCB (REGION 4)
Case Type:	LUST Cleanup Site
Geo Track:	http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T10000008419
Global Id:	T10000008419
Latitude:	34.04114
Longitude:	-118.23787
Status:	Completed - Case Closed
Status Date:	11/29/2016
Case Worker:	MB
RB Case Number:	900130098
Local Agency:	Not reported
File Location:	Not reported
Local Case Number:	Not reported
Potential Media Affect:	Soil
Potential Contaminants of Concern:	Total Petroleum Hydrocarbons (TPH)
Site History:	Not reported

LUST:

Global Id:	T10000008419
Contact Type:	Regional Board Caseworker
Contact Name:	MAGDY BAIADY
Organization Name:	LOS ANGELES RWQCB (REGION 4)
Address:	320 W. 4TH ST., SUITE 200
City:	LOS ANGELES
Email:	mbaiady@waterboards.ca.gov
Phone Number:	2135766699

LUST:

Global Id:	T10000008419
Action Type:	ENFORCEMENT
Date:	11/29/2016
Action:	Closure/No Further Action Letter

Global Id:	T10000008419
Action Type:	Other
Date:	12/21/2015
Action:	Leak Reported

Global Id:	T10000008419
Action Type:	RESPONSE
Date:	03/23/2016
Action:	Other Report / Document

ARCO (Continued) **S101582659**

Global Id: T10000008419
Action Type: ENFORCEMENT
Date: 12/21/2015
Action: Referral to Regional Board

Global Id: T10000008419
Action Type: Other
Date: 12/21/2015
Action: Leak Began

Global Id: T10000008419
Action Type: ENFORCEMENT
Date: 02/23/2016
Action: Staff Letter

Global Id: T10000008419
Action Type: ENFORCEMENT
Date: 09/15/2016
Action: Notification - Preclosure

Global Id: T10000008419
Action Type: Other
Date: 12/21/2015
Action: Leak Discovery

LUST:
Global Id: T10000008419
Status: Open - Case Begin Date
Status Date: 12/21/2015

Global Id: T10000008419
Status: Open - Inactive
Status Date: 02/02/2016

Global Id: T10000008419
Status: Open - Site Assessment
Status Date: 02/23/2016

Global Id: T10000008419
Status: Completed - Case Closed
Status Date: 11/29/2016

Name: ARCO
Address: 500 ALAMEDA ST S
City,State,Zip: LOS ANGELES, CA 90013
Lead Agency: LOS ANGELES, CITY OF
Case Type: LUST Cleanup Site
Geo Track: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0603700539
Global Id: T0603700539
Latitude: 34.0412300214883
Longitude: -118.237843859572
Status: Completed - Case Closed
Status Date: 10/23/1993
Case Worker: EL
RB Case Number: 900130016
Local Agency: LOS ANGELES, CITY OF

ARCO (Continued) **S101582659**

File Location: Not reported
Local Case Number: Not reported
Potential Media Affect: Soil
Potential Contaminants of Concern: Gasoline
Site History: Not reported

LUST:
Global Id: T0603700539
Contact Type: Local Agency Caseworker
Contact Name: ELOY LUNA
Organization Name: LOS ANGELES, CITY OF
Address: 200 North Main Street, Suite 1780
City: LOS ANGELES
Email: eloy.luna@lacity.org
Phone Number: Not reported

Global Id: T0603700539
Contact Type: Regional Board Caseworker
Contact Name: YUE RONG
Organization Name: LOS ANGELES RWQCB (REGION 4)
Address: 320 W. 4TH ST., SUITE 200
City: Los Angeles
Email: yrong@waterboards.ca.gov
Phone Number: Not reported

LUST:
Global Id: T0603700539
Action Type: RESPONSE
Date: 10/07/1993
Action: Request for Closure

Global Id: T0603700539
Action Type: RESPONSE
Date: 05/22/1989
Action: Site Assessment Report

Global Id: T0603700539
Action Type: RESPONSE
Date: 01/06/1999
Action: Site Assessment Report

Global Id: T0603700539
Action Type: RESPONSE
Date: 07/28/1989
Action: Corrective Action Plan / Remedial Action Plan

Global Id: T0603700539
Action Type: Other
Date: 07/05/1985
Action: Leak Discovery

Global Id: T0603700539
Action Type: Other
Date: 07/11/1985
Action: Leak Reported

Global Id: T0603700539

ARCO (Continued) **S101582659**

Action Type: Other
Date: 07/05/1985
Action: Leak Stopped

LUST:
Global Id: T0603700539
Status: Open - Case Begin Date
Status Date: 07/05/1985

Global Id: T0603700539
Status: Open - Site Assessment
Status Date: 07/15/1988

Global Id: T0603700539
Status: Completed - Case Closed
Status Date: 10/23/1993

LUST REG 4:
Region: 4
Regional Board: 04
County: Los Angeles
Facility Id: 900130016
Status: Case Closed
Substance: Gasoline
Substance Quantity: Not reported
Local Case No: Not reported
Case Type: Soil
Abatement Method Used at the Site: Not reported
Global ID: T0603700539
W Global ID: W0605100582
Staff: UNK
Local Agency: 19050
Cross Street: 5TH
Enforcement Type: Not reported
Date Leak Discovered: 7/5/1985
Date Leak First Reported: 7/11/1985
Date Leak Record Entered: 12/31/1986
Date Confirmation Began: Not reported
Date Leak Stopped: 7/5/1985
Date Case Last Changed on Database: 10/23/1993
Date the Case was Closed: 10/23/1993
How Leak Discovered: Not reported
How Leak Stopped: Not reported
Cause of Leak: UNK
Leak Source: UNK
Operator: ALBANESE, BILL
Water System: YMCA CAMP OF LOS ANGELES 2
Well Name: Not reported
Approx. Dist To Production Well (ft): 4083.035630707482005820362576
Source of Cleanup Funding: UNK
Preliminary Site Assessment Workplan Submitted: Not reported
Preliminary Site Assessment Began: Not reported
Pollution Characterization Began: 7/15/1988
Remediation Plan Submitted: Not reported
Remedial Action Underway: Not reported

ARCO (Continued) **S101582659**

Post Remedial Action Monitoring Began:	Not reported
Enforcement Action Date:	Not reported
Historical Max MTBE Date:	Not reported
Hist Max MTBE Conc in Groundwater:	Not reported
Hist Max MTBE Conc in Soil:	Not reported
Significant Interim Remedial Action Taken:	Yes
GW Qualifier:	Not reported
Soil Qualifier:	Not reported
Organization:	Not reported
Owner Contact:	Not reported
Responsible Party:	ALBANESE, BILL
RP Address:	815 FAIRVIEW, PASADENA, CA 91030
Program:	LUST
Lat/Long:	34.0412924 / -1
Local Agency Staff:	PEJ
Beneficial Use:	Not reported
Priority:	Not reported
Cleanup Fund Id:	Not reported
Suspended:	Not reported
Assigned Name:	2600582-001GEN
Summary:	LEAKING TANK REPAIRED 7/29/85. ONE 97' BORING COMPLETED. NO G/W ENCOUNTERED.

CERS HAZ WASTE:

Name:	SUPERFINE II (VALERO)
Address:	500 S ALAMEDA ST
City,State,Zip:	LOS ANGELES, CA 90013
Site ID:	72516
CERS ID:	10253212
CERS Description:	Hazardous Waste Generator

SWEEPS UST:

Name:	ARCO TRUCK STOP
Address:	500 S ALAMEDA ST
City:	LOS ANGELES
Status:	Active
Comp Number:	3979
Number:	2
Board Of Equalization:	Not reported
Referral Date:	05-04-93
Action Date:	03-16-94
Created Date:	02-29-88
Owner Tank Id:	Not reported
SWRCB Tank Id:	Not reported
Tank Status:	Not reported
Capacity:	Not reported
Active Date:	Not reported
Tank Use:	Not reported
STG:	Not reported
Content:	Not reported
Number Of Tanks:	Not reported

CA FID UST:

Facility ID:	19000981
Regulated By:	UTNKA
Regulated ID:	Not reported

ARCO (Continued) **S101582659**

Cortese Code: Not reported
SIC Code: Not reported
Facility Phone: 2136261259
Mail To: Not reported
Mailing Address: 500 S ALAMEDA ST
Mailing Address 2: Not reported
Mailing City,St,Zip: LOS ANGELES 900130000
Contact: Not reported
Contact Phone: Not reported
DUNs Number: Not reported
NPDES Number: Not reported
EPA ID: Not reported
Comments: Not reported
Status: Active

CERS TANKS:
Name: SUPERFINE II (VALERO)
Address: 500 S ALAMEDA ST
City,State,Zip: LOS ANGELES, CA 90013
Site ID: 72516
CERS ID: 10253212
CERS Description: Underground Storage Tank

CORTESE:
Name: ARCO
Address: 500 ALAMEDA ST S
City,State,Zip: LOS ANGELES, CA 90013
Region: CORTESE
Envirostor Id: Not reported
Global ID: T0603700539
Site/Facility Type: LUST CLEANUP SITE
Cleanup Status: COMPLETED - CASE CLOSED
Status Date: Not reported
Site Code: Not reported
Latitude: Not reported
Longitude: Not reported
Owner: Not reported
Enf Type: Not reported
Swat R: Not reported
Flag: active
Order No: Not reported
Waste Discharge System No: Not reported
Effective Date: Not reported
Region 2: Not reported
WID Id: Not reported
Solid Waste Id No: Not reported
Waste Management Uit Name: Not reported
File Name: Active Open

Name: SUPER TEXACO
Address: 500 ALAMEDA ST
City,State,Zip: LOS ANGELES, CA 90013
Region: CORTESE
Envirostor Id: Not reported
Global ID: T10000008419
Site/Facility Type: LUST CLEANUP SITE

ARCO (Continued) **S101582659**

Cleanup Status:	COMPLETED - CASE CLOSED
Status Date:	Not reported
Site Code:	Not reported
Latitude:	Not reported
Longitude:	Not reported
Owner:	Not reported
Enf Type:	Not reported
Swat R:	Not reported
Flag:	active
Order No:	Not reported
Waste Discharge System No:	Not reported
Effective Date:	Not reported
Region 2:	Not reported
WID Id:	Not reported
Solid Waste Id No:	Not reported
Waste Management Uit Name:	Not reported
File Name:	Active Open

HIST CORTESE:

edr_fname:	ARCO
edr_fadd1:	500 ALAMEDA
City,State,Zip:	LOS ANGELES, CA 90013
Region:	CORTESE
Facility County Code:	19
Reg By:	LTNKA
Reg Id:	900130016

HAZNET:

Name:	SF HOLDING SUPERFINE TEXACO
Address:	500 S ALAMEDA ST
Address 2:	Not reported
City,State,Zip:	LOS ANGELES, CA 900131708
Contact:	PETER KARADJIAN
Telephone:	2132683716
Mailing Name:	Not reported
Mailing Address:	500 S ALAMEDA ST
Year:	2021
Gepaid:	CAL000263989
TSD EPA ID:	CAL000330453
CA Waste Code:	352 - Other organic solids
Disposal Method:	H010 - Metals Recovery Including Retoring,Smelting,Chemicals,Ect
Tons:	2
Year:	2019
Gepaid:	CAL000263989
TSD EPA ID:	CAL000330453
CA Waste Code:	352 - Other organic solids
Disposal Method:	H010 - Metals Recovery Including Retoring,Smelting,Chemicals,Ect
Tons:	2.85000
Year:	2019
Gepaid:	CAL000263989
TSD EPA ID:	CAL000330453
CA Waste Code:	352 - Other organic solids
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No

ARCO (Continued) **S101582659**

	Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.05000
Year:	2018
Gepaid:	CAL000263989
TSD EPA ID:	AZR000520304
CA Waste Code:	352 - Other organic solids
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.60000
Year:	2017
Gepaid:	CAL000263989
TSD EPA ID:	AZR000501510
CA Waste Code:	352 - Other organic solids
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.25
Year:	2016
Gepaid:	CAL000263989
TSD EPA ID:	CAD028409019
CA Waste Code:	241 - Tank bottom waste
Disposal Method:	H135 - Discharge To Sewer/Potw Or Npdes(With Prior Storage--With Or Without Treatment)
Tons:	0.417
Year:	2015
Gepaid:	CAL000263989
TSD EPA ID:	CAT080013352
CA Waste Code:	221 - Waste oil and mixed oil
Disposal Method:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Tons:	28.101
Year:	2015
Gepaid:	CAL000263989
TSD EPA ID:	CAD099452708
CA Waste Code:	221 - Waste oil and mixed oil
Disposal Method:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Tons:	9.443
Year:	2014
Gepaid:	CAL000263989
TSD EPA ID:	CAT080013352
CA Waste Code:	221 - Waste oil and mixed oil
Disposal Method:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Tons:	7.6
Year:	2014
Gepaid:	CAL000263989
TSD EPA ID:	CAD099452708
CA Waste Code:	221 - Waste oil and mixed oil
Disposal Method:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect

ARCO (Continued) **S101582659**

Tons: 32.775

Click this hyperlink while viewing on your computer to access
3 additional CA HAZNET: record(s) in the EDR Site Report.

Detail Two:

Year:	2019
EM Manifest ID:	637043
Shipment Date:	8/23/2018
Receipt Date:	9/12/2018
Manifest Number:	003703080GBF
Generator EPA ID:	CAL000263989
Name:	SUPER PINE VALERO
Address:	500 S ALOMEDE ST
Address 2:	Not reported
City:	LOS ANGELES
Zip:	90018
Telephone:	323-848-4444
Contact:	Not reported
Contact Telephone:	213-268-3716
Transporter 1 EPA ID:	CAL000407695
Transporter 1 Emergency Number:	Not reported
Transporter 2 EPA ID:	CAD980585293
Transporter 2 Emergency Number:	Not reported
TSDF EPA ID:	AZR000520304
TSDF Name:	AA SYDCOL LLC
TSDF Address 1:	2264 E 13TH ST
TSDF Address 2:	Not reported
TSDF City:	YUMA
TSDF Zip:	85365-1858
TSDF Telephone:	Not reported

State:

Year:	2019
EM Manifest ID:	637043
Generator EPA ID:	CAL000263989
Shipment Date:	2018-08-23
Manifest Number:	003703080GBF
Line Number:	1
Method Code:	H141
Quantity Tons:	0.15000
Quantity Waste:	300.000000
Quantity Unit:	P
Number of Containers:	3
Type of Container:	Metal drums, barrels, kegs
Quantity Type:	Pounds
State Code:	352

Year:	2019
EM Manifest ID:	14075
Shipment Date:	12/11/2018
Receipt Date:	3/24/2019
Manifest Number:	006098851GBF
Generator EPA ID:	CAL000263989
Name:	SUPER FINE

ARCO (Continued) **S101582659**

Address:	500 S. ALAMEDA
Address 2:	Not reported
City:	LOS ANGELES
Zip:	0
Telephone:	323-848-4444
Contact:	Not reported
Contact Telephone:	555-555-5555
Transporter 1 EPA ID:	CAL000407695
Transporter 1 Emergency Number:	Not reported
Transporter 2 EPA ID:	CAD980585293
Transporter 2 Emergency Number:	Not reported
TSDF EPA ID:	AZR000520304
TSDF Name:	AA SYDCOL LLC
TSDF Address 1:	2264 E 13TH ST
TSDF Address 2:	Not reported
TSDF City:	YUMA
TSDF Zip:	85365-1858
TSDF Telephone:	Not reported

State:

Year:	2019
EM Manifest ID:	14075
Generator EPA ID:	CAL000263989
Shipment Date:	2018-12-11
Manifest Number:	006098851GBF
Line Number:	1
Method Code:	H141
Quantity Tons:	0.15000
Quantity Waste:	300.000000
Quantity Unit:	P
Number of Containers:	3
Type of Container:	Metal drums, barrels, kegs
Quantity Type:	Pounds
State Code:	352

Detail Two:

Year:	2018
EM Manifest ID:	017120840JJK20170605_D_1
Shipment Date:	6/5/2017
Receipt Date:	6/17/2017
Manifest Number:	017120840JJK
Generator EPA ID:	CAL000263989
Name:	SF HOLDING SUPERFINE
Address:	Not reported
Address 2:	Not reported
City:	Not reported
Zip:	Not reported
Telephone:	Not reported
Contact:	Not reported
Contact Telephone:	Not reported
Transporter 1 EPA ID:	CAL000407695
Transporter 1 Emergency Number:	Not reported
Transporter 2 EPA ID:	CAD980585293
Transporter 2 Emergency Number:	Not reported
TSDF EPA ID:	AZR000501510
TSDF Name:	AA SYDCOL LLC

ARCO (Continued) **S101582659**

TSDF Address 1: Not reported
TSDF Address 2: Not reported
TSDF City: Not reported
TSDF Zip: Not reported
TSDF Telephone: Not reported

State:
Year: 2018
EM Manifest ID: 017120840JJK20170605_D_1
Generator EPA ID: CAL000263989
Shipment Date: 2017-06-05
Manifest Number: 017120840JJK
Line Number: 1
Method Code: H141
Quantity Tons: 0.25000
Quantity Waste: 500.000000
Quantity Unit: P
Number of Containers: 5
Type of Container: NULL
Quantity Type: NULL
State Code: 352

Year: 2018
EM Manifest ID: 003702826GBF20180615_D_1
Shipment Date: 6/15/2018
Receipt Date: 6/29/2018
Manifest Number: 003702826GBF
Generator EPA ID: CAL000263989
Name: SUPERFINE VALERO
Address: Not reported
Address 2: Not reported
City: Not reported
Zip: Not reported
Telephone: Not reported
Contact: Not reported
Contact Telephone: Not reported
Transporter 1 EPA ID: CAL000407695
Transporter 1 Emergency Number: Not reported
Transporter 2 EPA ID: CAD980585293
Transporter 2 Emergency Number: Not reported
TSDF EPA ID: AZR000520304
TSDF Name: AA SYDCOL LLC
TSDF Address 1: Not reported
TSDF Address 2: Not reported
TSDF City: Not reported
TSDF Zip: Not reported
TSDF Telephone: Not reported

State:
Year: 2018
EM Manifest ID: 003702826GBF20180615_D_1
Generator EPA ID: CAL000263989
Shipment Date: 2018-06-15
Manifest Number: 003702826GBF
Line Number: 1
Method Code: H141
Quantity Tons: 0.15000

ARCO (Continued) **S101582659**

Quantity Waste:	300.000000
Quantity Unit:	P
Number of Containers:	3
Type of Container:	NULL
Quantity Type:	NULL
State Code:	352

Year:	2018
EM Manifest ID:	003631761GBF20180308_D_1
Shipment Date:	3/8/2018
Receipt Date:	3/18/2018
Manifest Number:	003631761GBF
Generator EPA ID:	CAL000263989
Name:	SF HOLDING SUPERFINE
Address:	Not reported
Address 2:	Not reported
City:	Not reported
Zip:	Not reported
Telephone:	Not reported
Contact:	Not reported
Contact Telephone:	Not reported
Transporter 1 EPA ID:	CAL000407695
Transporter 1 Emergency Number:	Not reported
Transporter 2 EPA ID:	CAD980585293
Transporter 2 Emergency Number:	Not reported
TSDF EPA ID:	AZR000520304
TSDF Name:	AA SYDCOL LLC
TSDF Address 1:	Not reported
TSDF Address 2:	Not reported
TSDF City:	Not reported
TSDF Zip:	Not reported
TSDF Telephone:	Not reported

State:

Year:	2018
EM Manifest ID:	003631761GBF20180308_D_1
Generator EPA ID:	CAL000263989
Shipment Date:	2018-03-08
Manifest Number:	003631761GBF
Line Number:	1
Method Code:	H141
Quantity Tons:	0.15000
Quantity Waste:	300.000000
Quantity Unit:	P
Number of Containers:	3
Type of Container:	NULL
Quantity Type:	NULL
State Code:	352

Additional Info:

Year:	2017
Gen EPA ID:	CAL000263989

Shipment Date:	20170605
Creation Date:	7/13/2018 18:30:14

ARCO (Continued) **S101582659**

Receipt Date:	20170617
Manifest ID:	017120840JJK
Trans EPA ID:	CAL000407695
Trans Name:	GOLDEN STATE ENVIRONMENTAL
Trans 2 EPA ID:	CAD980585293
Trans 2 Name:	INDUSTRIAL WASTE UTILIZATION
TSDF EPA ID:	AZR000501510
Trans Name:	AA SYDCOL LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Recovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.25
Waste Quantity:	500
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2016
Gen EPA ID:	CAL000263989
Shipment Date:	20151203
Creation Date:	2/9/2016 22:15:50
Receipt Date:	20151207
Manifest ID:	014111836JJK
Trans EPA ID:	CAL000404261
Trans Name:	MOVEEL LUBE LLC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	DEMENNO KERDOON
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	1.52
Waste Quantity:	400
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20151119
Creation Date:	2/8/2016 22:17:27
Receipt Date:	20151201
Manifest ID:	014111824JJK
Trans EPA ID:	CAL000404261

ARCO (Continued) **S101582659**

Trans Name:	MOVEEL LUBE LLC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	DEMENNO KERDOON
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	1.368
Waste Quantity:	360
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20151106
Creation Date:	1/11/2016 22:16:40
Receipt Date:	20151109
Manifest ID:	014111809JJK
Trans EPA ID:	CAL000404261
Trans Name:	MOVEEL LUBE LLC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	DEMENNO KERDOON
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	1.406
Waste Quantity:	370
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20151027
Creation Date:	1/11/2016 22:16:05
Receipt Date:	20151027
Manifest ID:	014111799JJK
Trans EPA ID:	CAL000404261
Trans Name:	MOVEEL LUBE LLC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	DEMENNO KERDOON
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported

ARCO (Continued) **S101582659**

Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	1.406
Waste Quantity:	370
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20151015
Creation Date:	12/22/2015 22:15:21
Receipt Date:	20151015
Manifest ID:	014111791JJK
Trans EPA ID:	CAL000404261
Trans Name:	MOVEEL LUBE LLC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	DEMENNO KERDOON
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	1.444
Waste Quantity:	380
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20150908
Creation Date:	11/6/2015 22:15:31
Receipt Date:	20150908
Manifest ID:	014111751JJK
Trans EPA ID:	CAL000404261
Trans Name:	MOVEEL LUBE LLC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	DEMENNO KERDOON
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	1.064
Waste Quantity:	280
Quantity Unit:	G

ARCO (Continued) **S101582659**

Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20150826
Creation Date:	11/4/2015 22:15:36
Receipt Date:	20150828
Manifest ID:	014111738JJK
Trans EPA ID:	CAL000404261
Trans Name:	MOVEEL LUBE LLC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	DEMENNO KERDOON
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	1.558
Waste Quantity:	410
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20150813
Creation Date:	11/3/2015 22:15:18
Receipt Date:	20150813
Manifest ID:	014111727JJK
Trans EPA ID:	CAL000404261
Trans Name:	MOVEEL LUBE LLC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	DEMENNO KERDOON
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	1.9
Waste Quantity:	500
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20150731

ARCO (Continued) **S101582659**

Creation Date:	10/5/2015 22:15:16
Receipt Date:	20150805
Manifest ID:	014111711JJK
Trans EPA ID:	CAL000404261
Trans Name:	MOVEEL LUBE LLC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	DEMENNO KERDOON
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	1.463
Waste Quantity:	385
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20150727
Creation Date:	10/5/2015 22:15:27
Receipt Date:	20150727
Manifest ID:	014111710JJK
Trans EPA ID:	CAL000404261
Trans Name:	MOVEEL LUBE LLC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	DEMENNO KERDOON
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	0.418
Waste Quantity:	110
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2015
Gen EPA ID:	CAL000263989

Shipment Date:	20151203
Creation Date:	2/9/2016 22:15:50
Receipt Date:	20151207
Manifest ID:	014111836JJK

ARCO (Continued) **S101582659**

Trans EPA ID:	CAL000404261
Trans Name:	MOVEEL LUBE LLC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	DEMENNO KERDOON
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	1.52
Waste Quantity:	400
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20151119
Creation Date:	2/8/2016 22:17:27
Receipt Date:	20151201
Manifest ID:	014111824JJK
Trans EPA ID:	CAL000404261
Trans Name:	MOVEEL LUBE LLC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	DEMENNO KERDOON
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	1.368
Waste Quantity:	360
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20151106
Creation Date:	1/11/2016 22:16:40
Receipt Date:	20151109
Manifest ID:	014111809JJK
Trans EPA ID:	CAL000404261
Trans Name:	MOVEEL LUBE LLC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	DEMENNO KERDOON
TSDF Alt EPA ID:	Not reported

ARCO (Continued) **S101582659**

TSDF Alt Name:	Not reported
Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	1.406
Waste Quantity:	370
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20151027
Creation Date:	1/11/2016 22:16:05
Receipt Date:	20151027
Manifest ID:	014111799JJK
Trans EPA ID:	CAL000404261
Trans Name:	MOVEEL LUBE LLC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	DEMENNO KERDOON
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	1.406
Waste Quantity:	370
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20151015
Creation Date:	12/22/2015 22:15:21
Receipt Date:	20151015
Manifest ID:	014111791JJK
Trans EPA ID:	CAL000404261
Trans Name:	MOVEEL LUBE LLC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	DEMENNO KERDOON
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	1.444
Waste Quantity:	380

ARCO (Continued) **S101582659**

Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20150908
Creation Date:	11/6/2015 22:15:31
Receipt Date:	20150908
Manifest ID:	014111751JJK
Trans EPA ID:	CAL000404261
Trans Name:	MOVEEL LUBE LLC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	DEMENNO KERDOON
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	1.064
Waste Quantity:	280
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20150826
Creation Date:	11/4/2015 22:15:36
Receipt Date:	20150828
Manifest ID:	014111738JJK
Trans EPA ID:	CAL000404261
Trans Name:	MOVEEL LUBE LLC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	DEMENNO KERDOON
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	1.558
Waste Quantity:	410
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

ARCO (Continued) **S101582659**

Shipment Date:	20150813
Creation Date:	11/3/2015 22:15:18
Receipt Date:	20150813
Manifest ID:	014111727JJK
Trans EPA ID:	CAL000404261
Trans Name:	MOVEEL LUBE LLC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	DEMENNO KERDOON
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	1.9
Waste Quantity:	500
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20150731
Creation Date:	10/5/2015 22:15:16
Receipt Date:	20150805
Manifest ID:	014111711JJK
Trans EPA ID:	CAL000404261
Trans Name:	MOVEEL LUBE LLC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	DEMENNO KERDOON
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	1.463
Waste Quantity:	385
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20150727
Creation Date:	10/5/2015 22:15:27
Receipt Date:	20150727
Manifest ID:	014111710JJK
Trans EPA ID:	CAL000404261
Trans Name:	MOVEEL LUBE LLC
Trans 2 EPA ID:	Not reported

ARCO (Continued) **S101582659**

Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	DEMENNO KERDOON
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	0.418
Waste Quantity:	110
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2014
Gen EPA ID:	CAL000263989
Shipment Date:	20141210
Creation Date:	2/24/2015 22:15:05
Receipt Date:	20141212
Manifest ID:	012445993JJK
Trans EPA ID:	CAL000360685
Trans Name:	MOVEEL FUEL
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	DEMENNO KERDOON
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	2.09
Waste Quantity:	550
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20141119
Creation Date:	1/26/2015 22:15:24
Receipt Date:	20141120
Manifest ID:	012445973JJK
Trans EPA ID:	CAL000360685
Trans Name:	MOVEEL FUEL
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	DEMENNO KERDOON

ARCO (Continued) **S101582659**

TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	1.33
Waste Quantity:	350
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20141107
Creation Date:	1/8/2015 22:15:01
Receipt Date:	20141107
Manifest ID:	012445961JJK
Trans EPA ID:	CAL000360685
Trans Name:	MOVEEL FUEL
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	DEMENNO KERDOON
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	2.28
Waste Quantity:	600
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20141024
Creation Date:	12/29/2014 22:15:07
Receipt Date:	20141024
Manifest ID:	012445944JJK
Trans EPA ID:	CAL000360685
Trans Name:	MOVEEL FUEL
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	DEMENNO KERDOON
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	1.9

ARCO (Continued) **S101582659**

Waste Quantity:	500
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20141009
Creation Date:	12/31/2014 22:14:46
Receipt Date:	20141009
Manifest ID:	012445926JJK
Trans EPA ID:	CAL000360685
Trans Name:	MOVEEL FUEL
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD099452708
Trans Name:	INDUSTRIAL SERVICE OIL CO INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	1.14
Waste Quantity:	300
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20140929
Creation Date:	12/31/2014 22:14:53
Receipt Date:	20140929
Manifest ID:	012445910JJK
Trans EPA ID:	CAL000360685
Trans Name:	MOVEEL FUEL
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD099452708
Trans Name:	INDUSTRIAL SERVICE OIL CO INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	1.71
Waste Quantity:	450
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

ARCO (Continued) **S101582659**

Shipment Date:	20140915
Creation Date:	12/19/2014 22:15:01
Receipt Date:	20140925
Manifest ID:	012445896JJK
Trans EPA ID:	CAL000360685
Trans Name:	MOVEEL FUEL
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD099452708
Trans Name:	INDUSTRIAL SERVICE OIL CO INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	1.292
Waste Quantity:	340
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20140902
Creation Date:	11/12/2014 22:15:05
Receipt Date:	20140904
Manifest ID:	012445875JJK
Trans EPA ID:	CAL000360685
Trans Name:	MOVEEL FUEL
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD099452708
Trans Name:	INDUSTRIAL SERVICE OIL CO INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	1.634
Waste Quantity:	430
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20140818
Creation Date:	10/31/2014 22:14:51
Receipt Date:	20140821
Manifest ID:	012445866JJK
Trans EPA ID:	CAL000360685
Trans Name:	MOVEEL FUEL
Trans 2 EPA ID:	Not reported

ARCO (Continued) **S101582659**

Trans 2 Name:	Not reported
TSDF EPA ID:	CAD099452708
Trans Name:	INDUSTRIAL SERVICE OIL CO INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	1.235
Waste Quantity:	325
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20140806
Creation Date:	11/7/2014 22:15:04
Receipt Date:	20140806
Manifest ID:	012445837JJK
Trans EPA ID:	CAL000360685
Trans Name:	MOVEEL FUEL
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD099452708
Trans Name:	INDUSTRIAL SERVICE OIL CO INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	1.71
Waste Quantity:	450
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2013
Gen EPA ID:	CAL000263989
Shipment Date:	20131230
Creation Date:	3/6/2014 22:15:20
Receipt Date:	20140102
Manifest ID:	012445547JJK
Trans EPA ID:	CAL000360685
Trans Name:	MOVEEL FUEL
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD099452708
Trans Name:	INDUSTRIAL SERVICE OIL CO INC

ARCO (Continued) **S101582659**

TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	1.254
Waste Quantity:	330
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20131218
Creation Date:	3/2/2014 22:15:06
Receipt Date:	20131219
Manifest ID:	012445531JJK
Trans EPA ID:	CAL000360685
Trans Name:	MOVEEL FUEL
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD099452708
Trans Name:	INDUSTRIAL SERVICE OIL CO INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	1.672
Waste Quantity:	440
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20131203
Creation Date:	2/18/2014 22:15:13
Receipt Date:	20131206
Manifest ID:	011257997JJK
Trans EPA ID:	CAL000360685
Trans Name:	MOVEEL FUEL
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD099452708
Trans Name:	INDUSTRIAL SERVICE OIL CO INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	1.482

ARCO (Continued) **S101582659**

Waste Quantity:	390
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20131121
Creation Date:	1/28/2014 22:15:25
Receipt Date:	20131122
Manifest ID:	011257987JJK
Trans EPA ID:	CAL000360685
Trans Name:	MOVEEL FUEL
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD099452708
Trans Name:	INDUSTRIAL SERVICE OIL CO INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	1.406
Waste Quantity:	370
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20131112
Creation Date:	1/28/2014 22:15:19
Receipt Date:	20131115
Manifest ID:	011257964JJK
Trans EPA ID:	CAL000360685
Trans Name:	MOVEEL FUEL
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD099452708
Trans Name:	INDUSTRIAL SERVICE OIL CO INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	1.406
Waste Quantity:	370
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

ARCO (Continued) **S101582659**

Shipment Date:	20131030
Creation Date:	1/17/2014 22:15:06
Receipt Date:	20131031
Manifest ID:	011257948JJK
Trans EPA ID:	CAL000360685
Trans Name:	MOVEEL FUEL
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD099452708
Trans Name:	INDUSTRIAL SERVICE OIL CO INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	1.596
Waste Quantity:	420
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20131017
Creation Date:	1/6/2014 22:15:06
Receipt Date:	20131018
Manifest ID:	011257925JJK
Trans EPA ID:	CAL000360685
Trans Name:	MOVEEL FUEL
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD099452708
Trans Name:	INDUSTRIAL SERVICE OIL CO INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	1.786
Waste Quantity:	470
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20131002
Creation Date:	11/30/2013 22:15:05
Receipt Date:	20131004
Manifest ID:	011257904JJK
Trans EPA ID:	CAL000360685
Trans Name:	MOVEEL FUEL
Trans 2 EPA ID:	Not reported

ARCO (Continued) **S101582659**

Trans 2 Name:	Not reported
TSDF EPA ID:	CAD099452708
Trans Name:	INDUSTRIAL SERVICE OIL CO INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	1.064
Waste Quantity:	280
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20130923
Creation Date:	11/25/2013 22:15:16
Receipt Date:	20130927
Manifest ID:	011257891JJK
Trans EPA ID:	CAL000360685
Trans Name:	MOVEEL FUEL
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD099452708
Trans Name:	INDUSTRIAL SERVICE OIL CO INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	1.881
Waste Quantity:	495
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20130909
Creation Date:	11/16/2013 22:15:32
Receipt Date:	20130913
Manifest ID:	011257869JJK
Trans EPA ID:	CAL000360685
Trans Name:	MOVEEL FUEL
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD099452708
Trans Name:	INDUSTRIAL SERVICE OIL CO INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	Not reported

ARCO (Continued) **S101582659**

Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	1.71
Waste Quantity:	450
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2012
Gen EPA ID:	CAL000263989
Shipment Date:	20121228
Creation Date:	3/4/2013 22:15:07
Receipt Date:	20121228
Manifest ID:	010569375JJK
Trans EPA ID:	CAL000360685
Trans Name:	MOVEEL FUEL
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD099452708
Trans Name:	INDUSTRIAL SERVICE OIL CO INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	0.874
Waste Quantity:	230
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20121219
Creation Date:	3/1/2013 22:15:08
Receipt Date:	20121219
Manifest ID:	010569342JJK
Trans EPA ID:	CAL000360685
Trans Name:	MOVEEL FUEL
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD099452708
Trans Name:	INDUSTRIAL SERVICE OIL CO INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	0.57

ARCO (Continued) **S101582659**

Waste Quantity:	150
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20121210
Creation Date:	3/7/2013 22:15:18
Receipt Date:	20121210
Manifest ID:	010569299JJK
Trans EPA ID:	CAL000360685
Trans Name:	MOVEEL FUEL
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD099452708
Trans Name:	INDUSTRIAL SERVICE OIL CO INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	1.71
Waste Quantity:	450
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20121129
Creation Date:	2/15/2013 22:15:34
Receipt Date:	20121129
Manifest ID:	010569285JJK
Trans EPA ID:	CAL000360685
Trans Name:	MOVEEL FUEL
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD099452708
Trans Name:	INDUSTRIAL SERVICE OIL CO INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	1.216
Waste Quantity:	320
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

ARCO (Continued) **S101582659**

Shipment Date:	20121119
Creation Date:	2/15/2013 22:15:34
Receipt Date:	20121119
Manifest ID:	010569252JJK
Trans EPA ID:	CAL000360685
Trans Name:	MOVEEL FUEL
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD099452708
Trans Name:	INDUSTRIAL SERVICE OIL CO INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	1.71
Waste Quantity:	450
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20121026
Creation Date:	2/15/2013 22:15:28
Receipt Date:	20121026
Manifest ID:	010569205JJK
Trans EPA ID:	CAL000360685
Trans Name:	MOVEEL FUEL
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD099452708
Trans Name:	INDUSTRIAL SERVICE OIL CO INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	1.406
Waste Quantity:	370
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20121017
Creation Date:	2/3/2013 22:15:07
Receipt Date:	20121017
Manifest ID:	010569176JJK
Trans EPA ID:	CAL000360685
Trans Name:	MOVEEL FUEL
Trans 2 EPA ID:	Not reported

ARCO (Continued) **S101582659**

Trans 2 Name:	Not reported
TSDF EPA ID:	CAD099452708
Trans Name:	INDUSTRIAL SERVICE OIL CO INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	1.558
Waste Quantity:	410
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20121002
Creation Date:	1/13/2013 22:15:14
Receipt Date:	20121004
Manifest ID:	010569139JJK
Trans EPA ID:	CAL000360685
Trans Name:	MOVEEL FUEL
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD099452708
Trans Name:	INDUSTRIAL SERVICE OIL CO INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	1.216
Waste Quantity:	320
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20120921
Creation Date:	1/13/2013 22:15:14
Receipt Date:	20120921
Manifest ID:	010569120JJK
Trans EPA ID:	CAL000360685
Trans Name:	MOVEEL FUEL
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD099452708
Trans Name:	INDUSTRIAL SERVICE OIL CO INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	Not reported

ARCO (Continued) **S101582659**

Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	1.71
Waste Quantity:	450
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20120910
Creation Date:	11/9/2012 22:15:09
Receipt Date:	20120910
Manifest ID:	010569080JJK
Trans EPA ID:	CAL000360685
Trans Name:	MOVEEL FUEL
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD099452708
Trans Name:	INDUSTRIAL SERVICE OIL CO INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	1.444
Waste Quantity:	380
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2002
Gen EPA ID:	CAL000263989
Shipment Date:	20021230
Creation Date:	3/29/2003 18:31:12
Receipt Date:	20030109
Manifest ID:	22259742
Trans EPA ID:	CAR000031211
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD028409019
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	D001
Meth Code:	T01 - Treatment, Tank
Quantity Tons:	0.2856
Waste Quantity:	68

ARCO (Continued) **S101582659**

Quantity Unit: G
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

LOS ANGELES HM:
Name: SUPERFINE II (VALERO)
Address: 500 S ALAMEDA ST
City,State,Zip: LOS ANGELES, CA 90013
Facility ID: FA0029647
Last Run Date: 11/01/2022
Status: ACTIVE

CERS:
Name: SUPER TEXACO
Address: 500 ALAMEDA ST
City,State,Zip: LOS ANGELES, CA 90013
Site ID: 363879
CERS ID: T10000008419
CERS Description: Leaking Underground Storage Tank Cleanup Site

Affiliation:
Affiliation Type Desc: Regional Board Caseworker
Entity Name: MAGDY BAIADY - LOS ANGELES RWQCB (REGION 4)
Entity Title: Not reported
Affiliation Address: 320 W. 4TH ST., SUITE 200
Affiliation City: LOS ANGELES
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: 2135766699,

Name: SUPERFINE II (VALERO)
Address: 500 S ALAMEDA ST
City,State,Zip: LOS ANGELES, CA 90013
Site ID: 72516
CERS ID: 10253212
CERS Description: Chemical Storage Facilities

Violations:
Site ID: 72516
Site Name: SUPERFINE II (VALERO)
Violation Date: 04-30-2021
Citation: HSC 6.95 25508(a)(3) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(3)
Violation Description: Failure to complete and electronically submit hazardous material inventory information for all reportable hazardous materials on site at or above reportable quantities.
Violation Notes: OBSERVATION: The business failed to complete and electronically submit chemical inventory information for all reportable hazardous materials on site at or above reportable quantities. Review, update and resubmit the Hazardous Materials Inventory into CERS to include all hazardous material stored in a capacity greater than 55 gallons of liquid, 200 cubic feet of compressed gas or 500 pounds in weight of a solid. In

ARCO (Continued) **S101582659**

the hazardous materials information the Federal hazardous categories were not filled out. The average daily amount of each hazardous materials was not filled out as well. CORRECTIVE ACTION: Complete and electronically submit the chemical inventory information for all reportable hazardous materials on site at or above reportable quantities. Please correct the following; waste oil 6 55 gallon steel drums, waste oil filters 2 55 gallon steel drums, grease 2 55 gallon steel drums. 2 550 gal AST's new oil for total of 1100 gallons of 15W40 new oil, 2 smaller 175 [Truncated]

Violation Division: Los Angeles City Fire Department
Violation Program: HMRRP
Violation Source: CERS,

Site ID: 72516
Site Name: SUPERFINE II (VALERO)
Violation Date: 04-20-2022
Citation: Un-Specified
Violation Description: UST Program - Administration/Documentation - General Local Ordinance - Must include violation description and proper ordinance citation in the "comment" section.
Violation Notes: Returned to compliance on 04/20/2022. OBSERVATION: Facility replaced VR 208 sensor for T3 fill sump on site and needs a D5 like for like permit. Facility also needs to replace UDC 15/16 VR 208 sensor. CORRECTED ON SITE: Inspector Young created a D5 like for like permit on-site during facility inspection under permit record ID SRUPQVSSS. OBSERVATION: Emergency shut off switch sign is hard to read and may delay in alerting drivers fueling their vehicles to the location of the ESO sign. CORRECTIVE ACTION: Facility needs to install a new ESO sign next to the ESO switch to alert drivers fueling their vehicles of the location of the ESO switch. Facility should install a sign on the north side of the building to alert the drivers fueling their vehicles with the diesel dispensers on the north side of the facility.
Violation Division: Los Angeles City Fire Department
Violation Program: UST
Violation Source: CERS,

Site ID: 72516
Site Name: SUPERFINE II (VALERO)
Violation Date: 02-13-2017
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description: Failure to complete and electronically submit a site map with all required content.
Violation Notes: Returned to compliance on 07/22/2020.
Violation Division: Los Angeles City Fire Department
Violation Program: HMRRP
Violation Source: CERS,

Site ID: 72516
Site Name: SUPERFINE II (VALERO)
Violation Date: 10-16-2020
Citation: 22 CCR 12 66262.40(a) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.40(a)
Violation Description: Failure to keep a copy of each properly signed manifest for at least three years from the date the waste was accepted by the initial transporter. The manifest signed at the time the waste was accepted for transport shall be kept until receiving a signed copy from the

ARCO (Continued) **S101582659**

	designated facility which received the waste.
Violation Notes:	Returned to compliance on 08/17/2021. OBSERVATION: Uniform Hazardous Waste Manifests for Used Oil , Used Oil Filters, and Rags were not available at the time of inspection. CORRECTIVE ACTION: Locate a copy of all manifests for Used Oil , Used Oil Filters, and Rags and submit copies to the CUPA.
Violation Division:	Los Angeles County Fire Department
Violation Program:	HW
Violation Source:	CERS,
Site ID:	72516
Site Name:	SUPERFINE II (VALERO)
Violation Date:	04-29-2021
Citation:	Un-Specified
Violation Description:	UST Program - Administration/Documentation - General Local Ordinance - Must include violation description and proper ordinance citation in the "comment" section.
Violation Notes:	Returned to compliance on 05/06/2021. OBSERVATION: No email was found for billing and environmental contacts in business owner/identification page. CORRECTIVE ACTION: Add email for Peter Karadjian who is billing and environmental contact in business owner/identification page.
Violation Division:	Los Angeles City Fire Department
Violation Program:	UST
Violation Source:	CERS,
Site ID:	72516
Site Name:	SUPERFINE II (VALERO)
Violation Date:	02-13-2018
Citation:	23 CCR 16 2641(a) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2641(a)
Violation Description:	Failure to maintain secondarily contained piping to allow liquid to flow into the sump in the event of a leak (i.e., failure to remove test boot).
Violation Notes:	Returned to compliance on 02/13/2018.
Violation Division:	Los Angeles City Fire Department
Violation Program:	UST
Violation Source:	CERS,
Site ID:	72516
Site Name:	SUPERFINE II (VALERO)
Violation Date:	02-06-2017
Citation:	23 CCR 16 2632(d)(1)(C), 2641(h), 2711(a)(8) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2632(d)(1)(C), 2641(h), 2711(a)(8)
Violation Description:	Failure to submit or update a plot plan.
Violation Notes:	Returned to compliance on 04/20/2018.
Violation Division:	Los Angeles City Fire Department
Violation Program:	UST
Violation Source:	CERS,
Site ID:	72516
Site Name:	SUPERFINE II (VALERO)
Violation Date:	06-26-2018
Citation:	22 CCR 12 66262.34(f) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.34(f)
Violation Description:	Failure to properly label hazardous waste accumulation containers and

ARCO (Continued) **S101582659**

	portable tanks with the following requirements: "Hazardous Waste", name and address of the generator, physical and chemical characteristics of the Hazardous Waste, and starting accumulation date.
Violation Notes:	Returned to compliance on 06/26/2018. OBSERVATION: 6 x 55-gallon drums of used oil, 4 x 55-gallon drums of metal drained used oil and/or fuel filters, & 1 x 55-gallon drum of paper element used oil and/or fulel filters located in the hazardous waste storage area were observed without a hazardous waste label. CORRECTIVE ACTION: Submit a photo to the CUPA demonstrating that the containers listed above have been properly labeled.
Violation Division:	Los Angeles County Fire Department
Violation Program:	HW
Violation Source:	CERS,
Site ID:	72516
Site Name:	SUPERFINE II (VALERO)
Violation Date:	04-16-2019
Citation:	HSC 6.7 25284(a)(3)(A)&(B) - California Health and Safety Code, Chapter 6.7, Section(s) 25284(a)(3)(A)&(B)
Violation Description:	Failure to implement or maintain a written agreement between the UST owner and operator.
Violation Notes:	Returned to compliance on 05/08/2019. Observation: Owner operator agreement is required based on facility permit application Corrective action: submit tank owner/property owner/tank operator agreement in CERS.
Violation Division:	Los Angeles City Fire Department
Violation Program:	UST
Violation Source:	CERS,
Site ID:	72516
Site Name:	SUPERFINE II (VALERO)
Violation Date:	02-13-2018
Citation:	HSC 6.7 25290.2(c) - California Health and Safety Code, Chapter 6.7, Section(s) 25290.2(c)
Violation Description:	Failure to maintain secondary containment (e.g., failure of secondary containment testing).
Violation Notes:	Returned to compliance on 02/13/2018.
Violation Division:	Los Angeles City Fire Department
Violation Program:	UST
Violation Source:	CERS,
Site ID:	72516
Site Name:	SUPERFINE II (VALERO)
Violation Date:	07-22-2020
Citation:	HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description:	Failure to complete and electronically submit a site map with all required content.
Violation Notes:	Returned to compliance on 05/25/2021. OBSERVATION: The business failed to complete and electronically submit a site map with all required content including: north orientation, loading area, internal roads, adjacent streets, storm and sewer drains, access and exit points, emergency shut offs, evacuation staging area, hazardous materials/waste storage areas and emergency response equipment. CORRECTIVE ACTION: Complete and electronically submit a site map with all required content.

ARCO (Continued) **S101582659**

Violation Division: Los Angeles City Fire Department
Violation Program: HMRRP
Violation Source: CERS,

Site ID: 72516
Site Name: SUPERFINE II (VALERO)
Violation Date: 04-20-2020
Citation: HSC 6.7 25284, 25286 - California Health and Safety Code, Chapter 6.7, Section(s) 25284, 25286
Violation Description: Failure to submit a complete and accurate application for a permit to operate a UST, or for renewal of the permit.
Violation Notes: Returned to compliance on 08/18/2020. OBSERVATION: UST tank information is not current in CERS. In Product/waste piping construction under PRIMARY CONTAINMENT for all tanks it states "STEEL". CORRECTIVE ACTION: In Product/waste piping construction under PRIMARY CONTAINMENT for all tanks it should state "FIBERGLASS". OBSERVATION: UST tank information is not current in CERS. In Product/waste piping construction under PIPING/TURBINE CONTAINMENT SUMP for all tanks it states "DOUBLE-WALLED".CORRECTIVE ACTION: In Product/waste piping construction under PIPING/TURBINE CONTAINMENT SUMP for all tanks it should state "SINGLE-WALLED . OBSERVATION: UST tank information is not current in CERS. In Vent, Vapor Recovery (VR) and Riser / Fill Pipe Piping Construction under VENT PRIMARY CONTAINMENT for all tanks it states "STEEL".CORRECTIVE ACTION: In Vent, Vapor Recovery (VR) and Riser / Fill Pipe Piping Construction under VENT PRIMARY CONTAINMENT for all tanks it should state "FIBERGLASS . OBSERVATION: UST tank [Truncated]
Violation Division: Los Angeles City Fire Department
Violation Program: UST
Violation Source: CERS,

Site ID: 72516
Site Name: SUPERFINE II (VALERO)
Violation Date: 02-13-2018
Citation: 23 CCR 16 2712(i) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2712(i)
Violation Description: Failure to retain a copy of the permit to operate at the facility.
Violation Notes: Returned to compliance on 04/20/2018. Observations: Multiple violations on site. Lack of documentation. No CUPA permit. Missing test results. Sensors laying on sides in multiple UDC. Raised/lifted sensor above liquid in UDC 11/12. Missing certificate of financial responsibility. Poor DO documentation. Corrective Action: follow all permit conditions.
Violation Division: Los Angeles City Fire Department
Violation Program: UST
Violation Source: CERS,

Site ID: 72516
Site Name: SUPERFINE II (VALERO)
Violation Date: 04-29-2021
Citation: 23 CCR 16 2641(j) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2641(j)
Violation Description: Failure of the leak detection equipment to be installed, calibrated, operated, and/or maintained properly.
Violation Notes: Returned to compliance on 02/08/2022. OBSERVATION: Owner/Operator did not properly install, calibrate, operate and/or maintain leak detection equipment. Facility will need to install sensor sleeves that

ARCO (Continued) **S101582659**

are below the neck of the collar of the sumps. The collar of the sumps is smaller in diameter than the bottom of the sumps near the UST. Sensor sleeves on site are long pieces of PVC which go up past the wider portion of the sump wall which makes the sensors not completely upright. CORRECTIVE ACTION: Properly install, calibrate, operate and/or maintain leak detection equipment. Install sensor sleeves that are shorter that completely fits in the wider diameter portion of the sump and that does not angle to attach to the upper portion of the sump wall that is smaller in diameter.

Violation Division: Los Angeles City Fire Department
Violation Program: UST
Violation Source: CERS,

Site ID: 72516
Site Name: SUPERFINE II (VALERO)
Violation Date: 01-08-2015
Citation: 22 CCR 12 66262.12 - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.12
Violation Description: Failure to obtain and/or maintain an Active EPA ID.
Violation Notes: Returned to compliance on 08/06/2015. OBSERVATION: EPA ID document was not available for review. A hazardous waste generator shall not treat, store, dispose of, transport or offer for transportation, hazardous waste without an EPA ID number. CORRECTIVE ACTION: Immediately obtain an EPA ID number through DTSC to manage hazardous waste and submit evidence to the CUPA within 30 days.
Violation Division: Los Angeles County Fire Department
Violation Program: HW
Violation Source: CERS,

Site ID: 72516
Site Name: SUPERFINE II (VALERO)
Violation Date: 02-13-2018
Citation: 23 CCR 16 2715(c) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2715(c)
Violation Description: Failure to comply with one or more of the following designated operator (DO) monthly inspection requirements: Be performed by an ICC certified DO. Inspect monthly alarm history report, check that alarms are documented and responded to appropriately, and attach a copy. Inspect for the presence of liquid/debris in spill containers. Inspect for the presence of liquid/debris in under dispenser containment (UDC) and ensure that the monitoring equipment is positioned correctly. Inspect for liquid or debris in containment sumps where an alarm occurred with no service visit. Check that all testing and maintenance has been completed and documented. Verify that all facility employees have been trained in accordance with 23 CCR 2715(f)(2).
Violation Notes: Returned to compliance on 04/20/2018. Observation: Do reports do not include reports of alarms that occured during year, including set up data warnings for all annular on June 22, 2017. Failed to notice missed SB989 test from 7/14/17 -2/13/18. No employee training found. Corrective action: DO must perform all responsibilities of a DO throughout the year on a monthly basis.
Violation Division: Los Angeles City Fire Department
Violation Program: UST
Violation Source: CERS,

Site ID: 72516
Site Name: SUPERFINE II (VALERO)

ARCO (Continued) **S101582659**

Violation Date: 04-29-2021
Citation: HSC 6.7 25293 - California Health and Safety Code, Chapter 6.7, Section(s) 25293
Violation Description: Failure to maintain UST records in sufficient detail to enable the UPA to determine whether the UST systems are in compliance.
Violation Notes: Returned to compliance on 02/08/2022. OBSERVATION: Owner/Operator did not maintain UST records in sufficient detail to enable the UPA to determine if UST systems are in compliance. Current financial responsibility documents were not found on site. CORRECTIVE ACTION: Maintain UST records in sufficient detail to enable the UPA to determine if UST systems are in compliance. Locate current financial responsibility documents and place in binder on site.
Violation Division: Los Angeles City Fire Department
Violation Program: UST
Violation Source: CERS,

Site ID: 72516
Site Name: SUPERFINE II (VALERO)
Violation Date: 02-13-2018
Citation: HSC 6.75 25299.30-25299.34 - California Health and Safety Code, Chapter 6.75, Section(s) 25299.30-25299.34
Violation Description: Failure to submit and maintain complete and current Certification of Financial Responsibility or other mechanism of financial assurance.
Violation Notes: Returned to compliance on 04/20/2018. Observation: No certificate of financial responsibility update since 2016. Incorrect information on most recents, coverage must be for 1,000,000. Corrective action: update certificate of financial responsibility.
Violation Division: Los Angeles City Fire Department
Violation Program: UST
Violation Source: CERS,

Site ID: 72516
Site Name: SUPERFINE II (VALERO)
Violation Date: 04-20-2022
Citation: 23 CCR 16 2712(b)(2) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2712(b)(2)
Violation Description: Failure to maintain monitoring records for release detection and/or maintain records of appropriate follow-up actions.
Violation Notes: Returned to compliance on 05/17/2022. OBSERVATION: Owner/Operator failed to maintain release detection monitoring and maintenance records. Facility did not have an alarm log entry or work order to show response to C1-4 7/11/2022 sensor out alarms or L15 UDC fuel alarm on 9/17/2021. CORRECTIVE ACTION: Provide the Inspector via email a picture of the alarm log entry or work order for alarms listed above.
Violation Division: Los Angeles City Fire Department
Violation Program: UST
Violation Source: CERS,

Site ID: 72516
Site Name: SUPERFINE II (VALERO)
Violation Date: 10-16-2020
Citation: 22 CCR 15 66265.173 - California Code of Regulations, Title 22, Chapter 15, Section(s) 66265.173
Violation Description: Failure to meet the following container management requirements: (a) A container holding hazardous waste must always be closed during storage, except when it is necessary to add or remove waste. (b) A

ARCO (Continued) **S101582659**

container holding hazardous waste must not be opened, handled, or stored in a manner which may rupture the container or cause it to leak.

Violation Notes: Returned to compliance on 08/17/2021. OBSERVATION: The following hazardous waste containers located in the service bay were observed open. 1X 55 gal drum of used oil with no lid 4X 55 gal drums of used oil without a bung plug 2X 55 gal drums of used oil filters with no lid 3X 55 gal trash cans of grease covered rags CORRECTIVE ACTION: Submit photos to the this agency demonstrating that the container listed above has been properly closed.
Violation Division: Los Angeles County Fire Department
Violation Program: HW
Violation Source: CERS,

Site ID: 72516
Site Name: SUPERFINE II (VALERO)
Violation Date: 04-29-2021
Citation: 23 CCR 16 2716(e) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2716(e)
Violation Description: For designated operator (DO) monthly inspections conducted before October 1, 2018, failure to comply with one or more of the following requirements: Be performed by an ICC certified DO. Inspect monthly alarm history report, check that alarms are documented and responded to appropriately, and attach a copy. Inspect for the presence of liquid/debris in spill containers. Inspect for the presence of liquid/debris in under dispenser containment (UDC) and ensure that the monitoring equipment is positioned correctly. Inspect for liquid or debris in containment sumps where an alarm occurred with no service visit. Check that all testing and maintenance has been completed and documented. Verify that all facility employees have been trained in accordance with 23 CCR 2715(c). For designated operator (DO) 30 day inspections conducted on and after October 1, 2018, failure to conduct the designated UST operator visual inspection at least once every 30 days.
Violation Notes: Returned to compliance on 04/29/2021. OBSERVATION: Facility did not comply with one or more of the following DO inspection requirements: DO noted wrong Overfill date of 12/16/2018 on multiple DO reports. DO did not complete Section 7 & 8 on 2/21 DO report. DO is not including all annular (c wire) alarm history on DO reports. CORRECTED ON SITE: DO corrected overfill date to 12/14/2018 and completed Section 7 & 8 on site to ensure that DO is complying with all the requirements noted above. Ensure DO is including all sensors on alarm print outs.
Violation Division: Los Angeles City Fire Department
Violation Program: UST
Violation Source: CERS,

Site ID: 72516
Site Name: SUPERFINE II (VALERO)
Violation Date: 02-13-2018
Citation: 23 CCR 16 2711(a)(8) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2711(a)(8)
Violation Description: Failure to submit or maintain a current facility plot plan.
Violation Notes: Returned to compliance on 04/20/2018. Observation: Since inspection in 2017 no update has been made. Must update plot plan to include monitoring components. Corrective action: update plot plan according to monitoring certification.
Violation Division: Los Angeles City Fire Department

ARCO (Continued) **S101582659**

Violation Program: UST
Violation Source: CERS,

Site ID: 72516
Site Name: SUPERFINE II (VALERO)
Violation Date: 04-30-2021
Citation: HSC 6.95 25508(a)(3) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(3)
Violation Description: Failure to complete and electronically submit a site map with all required content.
Violation Notes: OBSERVATION: The business failed to complete and electronically submit a site map with all required content including: north orientation, loading area, internal roads, adjacent streets, storm and sewer drains, access and exit points, emergency shut offs, evacuation staging area, hazardous materials/waste storage areas and emergency response equipment. CORRECTIVE ACTION: Complete and electronically submit a site map with all required content.
Violation Division: Los Angeles City Fire Department
Violation Program: HMRRP
Violation Source: CERS,

Site ID: 72516
Site Name: SUPERFINE II (VALERO)
Violation Date: 04-20-2020
Citation: 23 CCR 16 2716(e) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2716(e)
Violation Description: For designated operator (DO) monthly inspections conducted before October 1, 2018, failure to comply with one or more of the following requirements: Be performed by an ICC certified DO. Inspect monthly alarm history report, check that alarms are documented and responded to appropriately, and attach a copy. Inspect for the presence of liquid/debris in spill containers. Inspect for the presence of liquid/debris in under dispenser containment (UDC) and ensure that the monitoring equipment is positioned correctly. Inspect for liquid or debris in containment sumps where an alarm occurred with no service visit. Check that all testing and maintenance has been completed and documented. Verify that all facility employees have been trained in accordance with 23 CCR 2715(c). For designated operator (DO) 30 day inspections conducted on and after October 1, 2018, failure to conduct the designated UST operator visual inspection at least once every 30 days.
Violation Notes: Returned to compliance on 08/19/2020. OBSERVATION: Facility did not comply with one or more of the following DO monthly inspection requirements: DO noted the incorrect CERS ID in Section I on all DO reports. DO noted incorrect anniversary dates for monitor cert, spill buckets, overfill, and secondary containment testing in Section X. DO inspections were not completed within 30 days between 1/2020 & 2/2020 (2 days past due), 12/2019 & 1/2020 (3 days past due), 8/2019 & 7/2019 (5 days past due), & 5/2019 & 6/2019 (3 days past due). DO did not note loss of alarm history in Section III on DO reports from 6/2019-3/2020. DO did not note in Section III set up data warning for L3 87 fill sensor on 12/2019 DO report. Owner/operator did not complete Section V when there were compliance issues noted by the DO in Section III for 1/23/2020, 12/20/2019, 11/25/2019, DO reports. Owner/operator failed to print, sign, and/or date on all DO reports from 3/2020-4/2019. Only the owner/operator shall be reviewed Section V and [Truncated]

ARCO (Continued) **S101582659**

Violation Division: Los Angeles City Fire Department
Violation Program: UST
Violation Source: CERS,

Site ID: 72516
Site Name: SUPERFINE II (VALERO)
Violation Date: 02-13-2018
Citation: 23 CCR 16 2641(a) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2641(a)
Violation Description: Failure of leak detection equipment to be located such that equipment is capable of detecting a leak at the earliest possible opportunity.
Violation Notes: Returned to compliance on 04/20/2018.
Violation Division: Los Angeles City Fire Department
Violation Program: UST
Violation Source: CERS,

Site ID: 72516
Site Name: SUPERFINE II (VALERO)
Violation Date: 02-13-2017
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description: Failure to complete and electronically submit hazardous material inventory information for all reportable hazardous materials on site at or above reportable quantities.
Violation Notes: Returned to compliance on 07/22/2020.
Violation Division: Los Angeles City Fire Department
Violation Program: HMRRP
Violation Source: CERS,

Site ID: 72516
Site Name: SUPERFINE II (VALERO)
Violation Date: 04-20-2020
Citation: 23 CCR 16 2641(a) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2641(a)
Violation Description: Failure of leak detection equipment to be located such that equipment is capable of detecting a leak at the earliest possible opportunity.
Violation Notes: Returned to compliance on 07/22/2020. OBSERVATION: The T3 west diesel STP sump sensor was located on the wrong side of the sump not at the lowest point and therefore not located to detect a leak at the earliest opportunity. Monitoring equipment shall be maintained to be able to detect a leak at the earliest possible opportunity. CORRECTIVE ACTION: Immediately relocate this sensor to the lowest point of the T3 west diesel STP sump sensor sump. Any future sensors not at the lowest point will be considered tampering and will be sent to my legal unit for fine assessment.
Violation Division: Los Angeles City Fire Department
Violation Program: UST
Violation Source: CERS,

Site ID: 72516
Site Name: SUPERFINE II (VALERO)
Violation Date: 10-25-2021
Citation: 23 CCR 16 2712(i) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2712(i)
Violation Description: Failure to have current UST Monitoring Plan available on site.
Violation Notes: Returned to compliance on 07/28/2022. OBSERVATION: Current approved copies of the monitoring plan was not found onsite. CORRECTIVE ACTION:

ARCO (Continued) **S101582659**

Maintain a copy of the current and approved monitoring plan on-site. if the plan is not current update the plan in CERS and submit for review by the CUPA. Upon acceptable review maintain a copy of the approved monitoring plan on-site.
Violation Division: Los Angeles City Fire Department
Violation Program: UST
Violation Source: CERS,

Site ID: 72516
Site Name: SUPERFINE II (VALERO)
Violation Date: 04-16-2019
Citation: 23 CCR 16 2711(a)(8) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2711(a)(8)
Violation Description: Failure to submit or maintain a current facility plot plan.
Violation Notes: Returned to compliance on 08/30/2019. Observation: Site plot plan does not meet requirements. Corrective action: attach site plot plan from 2019 monitor certification. Should include approximate piping and all monitor plan components.
Violation Division: Los Angeles City Fire Department
Violation Program: UST
Violation Source: CERS,

Site ID: 72516
Site Name: SUPERFINE II (VALERO)
Violation Date: 06-26-2019
Citation: 23 CCR 16 2712(i) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2712(i)
Violation Description: Failure to retain a copy of the permit to operate at the facility.
Violation Notes: Returned to compliance on 09/11/2019. Observation: No permit on site/displayed corrective action: provide proof that you have possession of permit and are displaying on site.
Violation Division: Los Angeles City Fire Department
Violation Program: UST
Violation Source: CERS,

Site ID: 72516
Site Name: SUPERFINE II (VALERO)
Violation Date: 01-08-2015
Citation: HSC 6.5 Multiple - California Health and Safety Code, Chapter 6.5, Section(s) Multiple
Violation Description: Haz Waste Generator Program - Administration/Documentation - General
Violation Notes: Returned to compliance on 08/06/2015. Provide documentation for contaminated shop towels services. No records available during the inspection.
Violation Division: Los Angeles County Fire Department
Violation Program: HW
Violation Source: CERS,

Site ID: 72516
Site Name: SUPERFINE II (VALERO)
Violation Date: 04-20-2020
Citation: HSC 6.7 25284(a)(3)(A)&(B) - California Health and Safety Code, Chapter 6.7, Section(s) 25284(a)(3)(A)&(B)
Violation Description: Failure to implement or maintain a written agreement between the UST owner and operator.
Violation Notes: Returned to compliance on 07/22/2020. Observation: Owner/Operator failed to maintain a written agreement between the UST owner and the

ARCO (Continued) **S101582659**

operator (owner/operator agreement). Per operating permit the tank operator is Peter Karadjian. Corrective Action: Implement/Maintain written agreement between the UST owner and the operator (owner/operator agreement)

Violation Division: Los Angeles City Fire Department
Violation Program: UST
Violation Source: CERS,

Site ID: 72516
Site Name: SUPERFINE II (VALERO)
Violation Date: 10-16-2020
Citation: 22 CCR 12 66262.34(f) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.34(f)
Violation Description: Failure to properly label hazardous waste accumulation containers and portable tanks with the following requirements: "Hazardous Waste", name and address of the generator, physical and chemical characteristics of the Hazardous Waste, and starting accumulation date.
Violation Notes: Returned to compliance on 08/17/2021. OBSERVATION: 6X 55 gal drums of Used Oil, 3X 55 gal trash cans of grease covered rags and 2X 55 gal drums of used oil filters located in the Service area was observed without a hazardous waste label. CORRECTIVE ACTION: Submit a photo to the CUPA demonstrating that the container listed above has been properly labeled.
Violation Division: Los Angeles County Fire Department
Violation Program: HW
Violation Source: CERS,

Site ID: 72516
Site Name: SUPERFINE II (VALERO)
Violation Date: 02-13-2018
Citation: 23 CCR 16 2715(f)(3) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2715(f)(3)
Violation Description: Failure to maintain a list of employees trained by the designated operator on-site or off-site at a readily available location, if approved by the UPA.
Violation Notes: Returned to compliance on 04/20/2018.
Violation Division: Los Angeles City Fire Department
Violation Program: UST
Violation Source: CERS,

Site ID: 72516
Site Name: SUPERFINE II (VALERO)
Violation Date: 10-16-2020
Citation: 22 CCR 15 66265.16 - California Code of Regulations, Title 22, Chapter 15, Section(s) 66265.16
Violation Description: Failure to provide employees with hazardous waste training program of class room instructions or on-the-job training within the first six months after the date of their employment or assignment to a facility, or to a new position at a facility and annually thereafter. Training records on current personnel shall be kept until closure of the facility and for former employees the record shall be kept for at least three years from the date the employee last worked at the facility. The records shall include the following: the job title for each position at the facility related to hazardous waste management, and the name of the employee filling each job; a written job description for each position, duties of facility personnel assigned

ARCO (Continued) **S101582659**

to each position, and a written description of the type and amount of both introductory and continuing training that will be given to each person filling a position.

Violation Notes: Returned to compliance on 08/17/2021. OBSERVATION: Documented training of personnel was not available at the time of inspection. CORRECTIVE ACTION: Locate training documentation or conduct training with applicable personnel and document it. Submit a copy of the training documentation to the CUPA.
Violation Division: Los Angeles County Fire Department
Violation Program: HW
Violation Source: CERS,

Site ID: 72516
Site Name: SUPERFINE II (VALERO)
Violation Date: 04-30-2021
Citation: HSC 6.95 25508(a)(3) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(3)
Violation Description: Failure to establish and electronically submit an adequate emergency response plan and procedures for a release or threatened release of a hazardous material.
Violation Notes: Returned to compliance on 05/25/2021. OBSERVATION: The business failed to establish and electronically submit adequate emergency response procedures for a release or threatened release of a hazardous material. CORRECTIVE ACTION: Establish and electronically submit adequate emergency response procedures for a release or threatened release of a hazardous material within 30 days. Review, update and resubmit the Emergency Response/Contingency Plan and Employee Training Plan in CERS with all the required information. Ensure the phone numbers for the local CUPA (213) 978-3680, Regional Water Quality Control Board (213) 576-6600, and nearest hospital facility are inputted correctly. You can download the most current CONTINGENCY PLAN form as well as CONTINGENCY PLAN INSTRUCTIONS in the Hazardous Materials Business Plan Section (HMBP) using the following link https://www.lafd.org/fire-prevention/cupa/documents-forms. Last portion in Section C emergency coordinator, primary and alternate coordinator information was [Truncated]
Violation Division: Los Angeles City Fire Department
Violation Program: HMRRP
Violation Source: CERS,

Site ID: 72516
Site Name: SUPERFINE II (VALERO)
Violation Date: 04-20-2020
Citation: 23 CCR 16 2632(c)(2)(A)&(B) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2632(c)(2)(A)&(B)
Violation Description: Failure to continuously monitor the interstitial space of a double-walled tank with an audible and visual alarm system.
Violation Notes: Returned to compliance on 07/22/2020. OBSERVATION: Owner/Operator did not maintain dispenser piping, components, & filters located inside the UDC so that in the event of a leak, the leak would drain into the UDC. CORRECTIVE ACTION: Install an auxiliary device within the dispenser's filters to effectively divert unauthorized releases into the UDC. Auxiliary devices of this type (e.g., deflector plates) need to be installed to prevent exposing backfill material to an unauthorized release from the product piping within the dispenser.
Violation Division: Los Angeles City Fire Department
Violation Program: UST

ARCO (Continued) **S101582659**

Violation Source: CERS,

Site ID: 72516
Site Name: SUPERFINE II (VALERO)
Violation Date: 02-06-2017
Citation: 23 CCR 16 2712(i) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2712(i)
Violation Description: Failure to have a UST Response Plan available on site.
Violation Notes: Returned to compliance on 04/20/2018.
Violation Division: Los Angeles City Fire Department
Violation Program: UST
Violation Source: CERS,

Site ID: 72516
Site Name: SUPERFINE II (VALERO)
Violation Date: 02-13-2018
Citation: HSC 6.7 25299(a)(9) - California Health and Safety Code, Chapter 6.7, Section(s) 25299(a)(9)
Violation Description: Leak detection equipment disabled or tampered with in a manner that would prevent the monitoring system from detecting and/or alerting the owner/operator of a leak.
Violation Notes: Returned to compliance on 04/20/2018.
Violation Division: Los Angeles City Fire Department
Violation Program: UST
Violation Source: CERS,

Site ID: 72516
Site Name: SUPERFINE II (VALERO)
Violation Date: 04-20-2022
Citation: 23 CCR 16 2636(f)(1) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2636(f)(1)
Violation Description: Failure of the leak detection equipment to have an audible and visual alarm as required.
Violation Notes: Returned to compliance on 04/20/2022. OBSERVATION: The T3 west diesel VR 208 fill sump sensor went into alarm when pulled from the sump and then the alarm cleared and the sensor went into sensor out alarm. The sensor was stuck in sensor out alarm after that. T3 west diesel fill VR 208 fill sump sensor failed to provide an audible/visual alarm when tested during annual monitoring system certification testing. CORRECTED ON SITE: The sensor was replaced on site by Zarmik Aldoyan with Robertson Testing during the annual monitoring system certification testing. T3 fill sump sensor after the new sensor was installed cleared the sensor out alarm that was active at the beginning of the facility inspection. The new T3 fill sump VR 208 sensor sent the monitoring console into alarm when tested.
Violation Division: Los Angeles City Fire Department
Violation Program: UST
Violation Source: CERS,

Site ID: 72516
Site Name: SUPERFINE II (VALERO)
Violation Date: 04-20-2022
Citation: 23 CCR 16 2641(h) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2641(h)
Violation Description: Failure to have an approved UST Monitoring Plan.
Violation Notes: Returned to compliance on 05/17/2022. OBSERVATION: Owner/Operator did not maintain a current monitoring plan. In Tank Monitoring under MODEL

ARCO (Continued) **S101582659**

SENSOR Number for T2 91 it states "VR 344". CORRECTIVE ACTION: In tank monitoring under MODEL SENSOR number for T2 91 it should state "340".
Violation Division: Los Angeles City Fire Department
Violation Program: UST
Violation Source: CERS,

Site ID: 72516
Site Name: SUPERFINE II (VALERO)
Violation Date: 04-16-2019
Citation: 23 CCR 16 2712(i) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2712(i)
Violation Description: Failure to retain a copy of the permit to operate at the facility.
Violation Notes: Returned to compliance on 08/30/2019.
Violation Division: Los Angeles City Fire Department
Violation Program: UST
Violation Source: CERS,

Site ID: 72516
Site Name: SUPERFINE II (VALERO)
Violation Date: 10-25-2021
Citation: 23 CCR 16 2641(j) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2641(j)
Violation Description: Failure of the leak detection equipment to be installed, calibrated, operated, and/or maintained properly.
Violation Notes: Returned to compliance on 07/28/2022. CORRECTIVE ACTION: Properly install, calibrate, operate and/or maintain leak detection equipment. Install sensor sleeves that are shorter that completely fits in the wider diameter portion of the sump and that does not angle to attach to the upper portion of the sump wall that is smaller in diameter.
Violation Division: Los Angeles City Fire Department
Violation Program: UST
Violation Source: CERS,

Site ID: 72516
Site Name: SUPERFINE II (VALERO)
Violation Date: 04-20-2022
Citation: 23 CCR 16 2641(j) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2641(j)
Violation Description: Failure of the leak detection equipment to be installed, calibrated, operated, and/or maintained properly.
Violation Notes: Returned to compliance on 07/28/2022. OBSERVATION: Owner/Operator did not properly install, calibrate, operate and/or maintain leak detection equipment. UDC 15/16 VR 208 sensor has a tear in the exterior wire sheathing, which is not up to Veeder Root standards. CORRECTIVE ACTION: Replace VR 208 in UDC 15/16 sump and maintain the VR 208 sensor per Veeder Root specs. OBSERVATION: Liquid was observed in the T3 & T4 annular space and was enough to send the monitoring consoles into alarm when the sensors were relocated to the lowest point. Per Veeder Root specs all sumps shall be maintained free of liquid. CORRECTED ON SITE: Liquid was removed by on site staff and sensor was relocated by the tester Zarmik Aldoyan with Robertson testing. The annular spaces were liquid free.
Violation Division: Los Angeles City Fire Department
Violation Program: UST
Violation Source: CERS,

Site ID: 72516

ARCO (Continued) **S101582659**

Site Name: SUPERFINE II (VALERO)
Violation Date: 04-29-2021
Citation: 23 CCR 16 2712(b)(2) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2712(b)(2)
Violation Description: Failure to maintain monitoring records for release detection and/or maintain records of appropriate follow-up actions.
Violation Notes: Returned to compliance on 05/25/2021. OBSERVATION: Owner/Operator failed to maintain release detection monitoring and maintenance records. Work orders for Set up data warnings June 11 2020 was not found on site. CORRECTIVE ACTION: Maintain release detection monitoring and maintenance records for required time frames. If work orders are not found and sent to the Inspector within 7 days then the taking of the sensors out of the programming will be considered tampering and sent to my legal unit for fine assessment. If during next years inspection facility is missing work orders for set up data warnings, taking sensors out of the programming, is not on site during the inspection those violations will automatically be Class I violations and sent to my legal unit for fine assessment.
Violation Division: Los Angeles City Fire Department
Violation Program: UST
Violation Source: CERS,

Site ID: 72516
Site Name: SUPERFINE II (VALERO)
Violation Date: 04-20-2022
Citation: 23 CCR 16 2712(b)(1)(G) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2712(b)(1)(G)
Violation Description: Failure to comply with one or more of the following overfill prevention equipment requirements: Alert the transfer operator when the tank is 90 percent full by restricting the flow into the tank or triggering an audible and visual alarm; or Restrict delivery of flow to the tank at least 30 minutes before the tank overfills, provided the restriction occurs when the tank is filled to no more than 95 percent of capacity; and activate an audible alarm at least five minutes before the tank overfills; or Provide positive shut-off of flow to the tank when the tank is filled to no more than 95 percent of capacity; or Provide positive shut-off of flow to the tank so that none of the fittings located on the top of the tank are exposed to product due to overfilling. Install/retrofit overfill prevention equipment that does not use flow restrictors on vent piping to meet overfill prevention equipment requirements when the overfill prevention equipment is installed, repaired, or replaced on and after October 1, 2018. For USTs installed before October 1, 2018, perform an inspection by October 13, 2018 and every 36 months thereafter. For USTs installed on and after October 1, 2018, perform an inspection at installation and every 36 months thereafter. Inspected within 30 days after a repair to the overfill prevention equipment. Inspected using an applicable manufacturer guidelines, industry codes, engineering standards, or a method approved by a professional engineer. Inspected by a certified UST service technician. Maintain records of overfill prevention equipment inspection for 36 months.
Violation Notes: Returned to compliance on 04/20/2022. OBSERVATION: Owner/Operator failed to meet one or more of the requirements applicable to overfill prevention equipment. Facility was late on overfill prevention testing. Facility first tested their overfill prevention equipment on 12/14/2018 which was 2 months late from the 10/2018 deadline. The facility in order to not be late the next time the overfill prevention

ARCO (Continued) **S101582659**

testing was due would have had to tested before the end of October 2021. Facility tested their overfill prevention equipment on 11/26/2021, which was one month late. CORRECTED ON SITE: FORTHWITH ensure the facility tests their overfill prevention equipment once by 10/13/2018 and every 36 months thereafter per Title 23 2637.2 (1)(a). Facility tested their overfill prevention equipment on 11/26/2021. Ensure to test their overfill prevention equipment again before the end of 10/2024 in order for the facility to not be late on their overfill testing again.

Violation Division: Los Angeles City Fire Department
Violation Program: UST
Violation Source: CERS,

Site ID: 72516
Site Name: SUPERFINE II (VALERO)
Violation Date: 04-29-2021
Citation: 23 CCR 16 2715(a)(2) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2715(a)(2)
Violation Description: Failure to submit the Underground Storage Tank Statement of Understanding and Compliance Form.
Violation Notes: Returned to compliance on 05/25/2021. OBSERVATION: Owner/operator failed to submit the Underground Storage Tank Statement of Understanding and Compliance Form CORRECTIVE ACTION: Submit the Underground Storage Tank Statement of Understanding and Compliance Form . Add mailing address, State, and zip code to the form.
Violation Division: Los Angeles City Fire Department
Violation Program: UST
Violation Source: CERS,

Site ID: 72516
Site Name: SUPERFINE II (VALERO)
Violation Date: 04-30-2021
Citation: HSC 6.95 25508.1(a)-(f) - California Health and Safety Code, Chapter 6.95, Section(s) 25508.1(a)-(f)
Violation Description: Failure to electronically update business plan within 30 days of any one of the following events: A 100 percent or more increase in the quantity of a previously disclosed material. Any handling of a previously undisclosed hazardous materials at or above reportable quantities. A change of business address, business ownership, or business name. A substantial change in the handler's operations that requires modification to any portion of the business plan.
Violation Notes: Returned to compliance on 05/25/2021. OBSERVATION: The business failed to update business plan within 30 days when one of the following occurs: No email was listed for billing contact and the environmental contact. CORRECTIVE ACTION: Update all submittal elements effected by the change(s) and electronically submit the update within 30 days. Ensure to include a proper working email in the business owner identification submittal.
Violation Division: Los Angeles City Fire Department
Violation Program: HMRRP
Violation Source: CERS,

Site ID: 72516
Site Name: SUPERFINE II (VALERO)
Violation Date: 04-20-2020
Citation: 23 CCR 16 2712(i) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2712(i)

ARCO (Continued) **S101582659**

Violation Description: Failure to have current UST Monitoring Plan available on site.
Violation Notes: Returned to compliance on 08/19/2020. OBSERVATION: Owner/Operator did not maintain a current UST monitoring plan on site. CORRECTIVE ACTION: Maintain a current UST monitoring plan on site.
Violation Division: Los Angeles City Fire Department
Violation Program: UST
Violation Source: CERS,

Site ID: 72516
Site Name: SUPERFINE II (VALERO)
Violation Date: 02-09-2016
Citation: 23 CCR 16 2641(a) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2641(a)
Violation Description: Failure of sensor to be located in the proper position/location.
Violation Notes: Returned to compliance on 04/20/2018. WASTE OIL SUMP SENSOR LIFTED. APPROXIMATELY 5-10 GALLONS OF OIL IN THE SUMP
Violation Division: Los Angeles City Fire Department
Violation Program: UST
Violation Source: CERS,

Site ID: 72516
Site Name: SUPERFINE II (VALERO)
Violation Date: 10-25-2021
Citation: HSC 6.7 25293 - California Health and Safety Code, Chapter 6.7, Section(s) 25293
Violation Description: Failure to maintain UST records in sufficient detail to enable the UPA to determine whether the UST systems are in compliance.
Violation Notes: Returned to compliance on 07/28/2022. OBSERVATION: Owner/Operator did not maintain UST records in sufficient detail to enable the UPA to determine if UST systems are in compliance. Current financial responsibility documents were not found on site. CORRECTIVE ACTION: Maintain UST records in sufficient detail to enable the UPA to determine if UST systems are in compliance. Locate current financial responsibility documents and place in binder on site.
Violation Division: Los Angeles City Fire Department
Violation Program: UST
Violation Source: CERS,

Site ID: 72516
Site Name: SUPERFINE II (VALERO)
Violation Date: 04-20-2022
Citation: HSC 6.7 25284(a)(3)(A)&(B) - California Health and Safety Code, Chapter 6.7, Section(s) 25284(a)(3)(A)&(B)
Violation Description: Failure to implement or maintain a written agreement between the UST owner and operator.
Violation Notes: Returned to compliance on 05/17/2022. OBSERVATION: Owner/Operator failed to maintain a fully completed written agreement between the UST owner and the operator (owner/operator agreement). Section 2 is missing UST permit holders signature and date. CORRECTIVE ACTION: Maintain written agreement between the UST owner and the operator (owner/operator agreement). Add a signature and date in Section 2 under UST permit holders.
Violation Division: Los Angeles City Fire Department
Violation Program: UST
Violation Source: CERS,

Site ID: 72516

ARCO (Continued) **S101582659**

Site Name: SUPERFINE II (VALERO)
Violation Date: 07-22-2020
Citation: HSC 6.95 25508.1(a)-(f) - California Health and Safety Code, Chapter 6.95, Section(s) 25508.1(a)-(f)
Violation Description: Failure to electronically update business plan within 30 days of any one of the following events: A 100 percent or more increase in the quantity of a previously disclosed material. Any handling of a previously undisclosed hazardous materials at or above reportable quantities. A change of business address, business ownership, or business name. A substantial change in the handler's operations that requires modification to any portion of the business plan.
Violation Notes: Returned to compliance on 05/25/2021. OBSERVATION: The business failed to update business plan within 30 days when one of the following occurs: No email was listed for billing contact and the environmental contact. CORRECTIVE ACTION: Update all submittal elements effected by the change(s) and electronically submit the update within 30 days. Ensure to include a proper working email in the business owner identification submittal.
Violation Division: Los Angeles City Fire Department
Violation Program: HMRRP
Violation Source: CERS,

Site ID: 72516
Site Name: SUPERFINE II (VALERO)
Violation Date: 04-20-2022
Citation: 23 CCR 16 2641(a) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2641(a)
Violation Description: Failure of leak detection equipment to be located such that equipment is capable of detecting a leak at the earliest possible opportunity.
Violation Notes: Returned to compliance on 04/20/2022. OBSERVATION: The T3 & T4 diesel east and west grade annular VR 344 sensors were found not located at the bottom of the tank to detect a leak at the earliest opportunity. During 2022 annual facility inspection T3 & T4 VR 344 sensors was approx over 16" in short for T3 and 10" short for T4 when measured during monitoring system certification. Tester Zarmik Aldoyan with Robertson Testing measured the T3 sensor and the length was 149". The tester then measured to the lowest point in the annular sensor riser and that was 165 1/2" and for T4 the sensor was approx at 125" and the lowest point was at 135". Monitoring equipment shall be maintained to be able to detect a leak at the earliest possible opportunity. CORRECTED ON SITE: FORTHWITH relocate this sensor to the lowest point of the T3 & T4 grade USTs. Tester slid more of the sensors wire from the cap so that the sensor was able to reach the lowest point of the annular riser. T3 west diesel and T4 east diesel annular are at [Truncated]
Violation Division: Los Angeles City Fire Department
Violation Program: UST
Violation Source: CERS,

Site ID: 72516
Site Name: SUPERFINE II (VALERO)
Violation Date: 04-20-2022
Citation: 23 CCR 16 2716(e) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2716(e)
Violation Description: For designated operator (DO) monthly inspections conducted before October 1, 2018, failure to comply with one or more of the following requirements: Be performed by an ICC certified DO. Inspect monthly

ARCO (Continued) **S101582659**

alarm history report, check that alarms are documented and responded to appropriately, and attach a copy. Inspect for the presence of liquid/debris in spill containers. Inspect for the presence of liquid/debris in under dispenser containment (UDC) and ensure that the monitoring equipment is positioned correctly. Inspect for liquid or debris in containment sumps where an alarm occurred with no service visit. Check that all testing and maintenance has been completed and documented. Verify that all facility employees have been trained in accordance with 23 CCR 2715(c). For designated operator (DO) 30 day inspections conducted on and after October 1, 2018, failure to conduct the designated UST operator visual inspection at least once every 30 days.

Violation Notes: Returned to compliance on 04/20/2022. OBSERVATION: Facility did not comply with one or more of the following DO inspection requirements: 1. DO did not include all sensors in alarm print outs attached to the DO reports. DO missed C4 annular sensor on multiple DO reports 2. Tank owner/operator did not print and sign in Section 6 on 6/21 DO report 3 . DO noted wrong check box in Section 7 on 12/21-5/21 DO reports. DO noted YES but there were no compliance issues noted in Section 3 of previous DO report 4. DO noted N/A in the last check 2 boxes in Section 8 for 4/22, 1/22, 12/21, 11/21, 10/21 DO reports for alarm response that occurred since last DO inspection 5. DO noted N/A in the last check 2 boxes in Section 8 for 9/21 DO report for alarm response that occurred since last DO inspection 6. DO noted YES in the last check 2 boxes in Section 8 for 7/21 DO report for alarm response that occurred since last DO inspection 7. DO noted YES in the last check 2 boxes in Section 8 for 6/21 DO report for alarm [Truncated]
Violation Division: Los Angeles City Fire Department
Violation Program: UST
Violation Source: CERS,

Site ID: 72516
Site Name: SUPERFINE II (VALERO)
Violation Date: 04-20-2020
Citation: 23 CCR 16 2641(j) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2641(j)
Violation Description: Failure of the leak detection equipment to be installed, calibrated, operated, and/or maintained properly.
Violation Notes: Returned to compliance on 07/22/2020. OBSERVATION: Owner/Operator did not properly calibrate, operate and maintain leak detection equipment. Facility upgraded their dispensers which required a software update on the monitoring console. Facility did not properly complete a cold start after the software was upgraded. Facility had lost alarm history between the 5/2019 & 6/2019 DO reports. CORRECTIVE ACTION: Properly complete a cold start re-certification in order to properly maintain leak detection equipment.
Violation Division: Los Angeles City Fire Department
Violation Program: UST
Violation Source: CERS,

Site ID: 72516
Site Name: SUPERFINE II (VALERO)
Violation Date: 02-13-2018
Citation: 23 CCR 16 2637 - California Code of Regulations, Title 23, Chapter 16, Section(s) 2637
Violation Description: Failure to conduct secondary containment testing, or one or more of the following requirements: Perform the test within six months of

ARCO (Continued) **S101582659**

installation and every 36 months thereafter.Use a procedure that demonstrates the system works as well as at installation.Use applicable manufacturer guidelines, industry codes, engineering standard, or professional engineer approval.Performed by a certified service technician or a licensed tank tester.

Violation Notes: Returned to compliance on 04/20/2018. Observation: Secondary containment testing was due 7/14/17. Corrective action: provide results to SB989 testing.
Violation Division: Los Angeles City Fire Department
Violation Program: UST
Violation Source: CERS,

Site ID: 72516
Site Name: SUPERFINE II (VALERO)
Violation Date: 04-20-2022
Citation: 23 CCR 16 2712(i) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2712(i)
Violation Description: Failure to have current UST Monitoring Plan available on site.
Violation Notes: Returned to compliance on 05/17/2022. OBSERVATION: Current approved copies of the monitoring plan was not found onsite. Facility has to update the annular sensor for T2. CORRECTIVE ACTION: Maintain a copy of the current and approved monitoring plan on-site. Correct the CERS submittal monitoring plan and upon the submittal's acceptance by the Inspector print a copy and maintain on-site.
Violation Division: Los Angeles City Fire Department
Violation Program: UST
Violation Source: CERS,

Site ID: 72516
Site Name: SUPERFINE II (VALERO)
Violation Date: 02-13-2018
Citation: 23 CCR 16 2712 - California Code of Regulations, Title 23, Chapter 16, Section(s) 2712
Violation Description: Failure to comply with any of the applicable requirements of the permit issued for the operation of the UST system.
Violation Notes: Returned to compliance on 04/20/2018.
Violation Division: Los Angeles City Fire Department
Violation Program: UST
Violation Source: CERS,

Site ID: 72516
Site Name: SUPERFINE II (VALERO)
Violation Date: 04-29-2021
Citation: HSC 6.75 25299.30-25299.34 - California Health and Safety Code, Chapter 6.75, Section(s) 25299.30-25299.34
Violation Description: Failure to submit and maintain complete and current Certification of Financial Responsibility or other mechanism of financial assurance.
Violation Notes: Returned to compliance on 05/25/2021. OBSERVATION: Financial responsibility documents have not been submitted to the CUPA. Current financial responsibility documents are required to be submitted annually. CFO letter is expired. CORRECTIVE ACTION: Complete and submit a copy of the financial responsibility by 5/29/2021. Upload current CFO letter to CERS.
Violation Division: Los Angeles City Fire Department
Violation Program: UST
Violation Source: CERS,

ARCO (Continued) **S101582659**

Site ID: 72516
Site Name: SUPERFINE II (VALERO)
Violation Date: 02-13-2018
Citation: HSC 6.7 25290.1(c)(3),25290.2(c)(3) - California Health and Safety Code, Chapter 6.7, Section(s) 25290.1(c)(3),25290.2(c)(3)
Violation Description: Failure to keep water out of the secondary containment of UST systems installed on or after July 1, 2003.
Violation Notes: Returned to compliance on 02/13/2018. Observation: Many sumps and UDC contain small amount of liquid, some sensors on sides, some test boots not pulled back to correct setting. Corrective action: remove liquid, place sensors in sleeves, and pull back all test boots.
Violation Division: Los Angeles City Fire Department
Violation Program: UST
Violation Source: CERS,

Site ID: 72516
Site Name: SUPERFINE II (VALERO)
Violation Date: 04-20-2020
Citation: 23 CCR 16 2641(h) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2641(h)
Violation Description: Failure to have an approved UST Monitoring Plan.
Violation Notes: Returned to compliance on 08/18/2020. OBSERVATION: Owner/Operator did not maintain a current monitoring plan. In UDC Monitoring under DETECTION OF LEAK INTO UDC TRIGGERS AUDIBLE AND VISUAL ALARMS for T1 & T2 NOTHING is listed. CORRECTIVE ACTION: In UDC Monitoring under DETECTION OF LEAK INTO UDC TRIGGERS AUDIBLE AND VISUAL ALARMS for T1 it should state YES . OBSERVATION: Owner/Operator did not maintain a current monitoring plan. In UDC Monitoring under UDC LEAK ALARM TRIGGERS AUTOMATIC PUMP SHUT DOWN for all tanks NOTHING is listed. CORRECTIVE ACTION: In UDC Monitoring under UDC LEAK ALARM TRIGGERS AUTOMATIC PUMP SHUT DOWN for all tanks it should state YES . OBSERVATION: Owner/Operator did not maintain a current monitoring plan. In UDC Monitoring under FAILURE/DISCONNECTION OF UDC MONITORING SYSTEM TRIGGERS AUTOMATIC PUMP SHUTDOWN for all tanks NOTHING is listed. CORRECTIVE ACTION: In UDC Monitoring under FAILURE/DISCONNECTION OF UDC MONITORING SYSTEM TRIGGERS AUTOMATIC PUMP SHUTDOWN for all tanks it [Truncated]
Violation Division: Los Angeles City Fire Department
Violation Program: UST
Violation Source: CERS,

Site ID: 72516
Site Name: SUPERFINE II (VALERO)
Violation Date: 07-22-2020
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description: Failure to complete and electronically submit hazardous material inventory information for all reportable hazardous materials on site at or above reportable quantities.
Violation Notes: Returned to compliance on 05/25/2021. OBSERVATION: The business failed to complete and electronically submit chemical inventory information for all reportable hazardous materials on site at or above reportable quantities. Review, update and resubmit the Hazardous Materials Inventory into CERS to include all hazardous material stored in a capacity greater than 55 gallons of liquid, 200 cubic feet of compressed gas or 500 pounds in weight of a solid. In the hazardous materials information the Federal hazardous categories were not filled

ARCO (Continued) **S101582659**

out. The average daily amount of each hazardous materials was not filled out as well. CORRECTIVE ACTION: Complete and electronically submit the chemical inventory information for all reportable hazardous materials on site at or above reportable quantities. Please correct the following; waste oil 6 55 gallon steel drums, waste oil filters 2 55 gallon steel drums, grease 2 55 gallon steel drums. 2 550 gal AST's new oil for total of 1100 gallons of 15W40 new oil, 2 smaller 175 AST's [Truncated]

Violation Division: Los Angeles City Fire Department
Violation Program: HMRRP
Violation Source: CERS,

Site ID: 72516
Site Name: SUPERFINE II (VALERO)
Violation Date: 04-29-2021
Citation: 23 CCR 16 2712(i) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2712(i)
Violation Description: Failure to have current UST Monitoring Plan available on site.
Violation Notes: Returned to compliance on 02/08/2022. OBSERVATION: Current approved copies of the monitoring plan was not found onsite. CORRECTIVE ACTION: Maintain a copy of the current and approved monitoring plan on-site. if the plan is not current update the plan in CERS and submit for review by the CUPA. Upon acceptable review maintain a copy of the approved monitoring plan on-site.
Violation Division: Los Angeles City Fire Department
Violation Program: UST
Violation Source: CERS,

Site ID: 72516
Site Name: SUPERFINE II (VALERO)
Violation Date: 04-29-2021
Citation: HSC 6.7 25284(a)(3)(A)&(B) - California Health and Safety Code, Chapter 6.7, Section(s) 25284(a)(3)(A)&(B)
Violation Description: Failure to implement or maintain a written agreement between the UST owner and operator.
Violation Notes: Returned to compliance on 05/25/2021. OBSERVATION: Owner/Operator failed to implement or maintain a written agreement between the UST owner and the operator (owner/operator agreement). CORRECTIVE ACTION: Maintain written agreement between the UST owner and the operator (owner/operator agreement). Add CERS ID to the UST owner and operator agreement, CERS ID is 10253212.
Violation Division: Los Angeles City Fire Department
Violation Program: UST
Violation Source: CERS,

Site ID: 72516
Site Name: SUPERFINE II (VALERO)
Violation Date: 04-20-2020
Citation: Un-Specified
Violation Description: UST Program - Administration/Documentation - General Local Ordinance - Must include violation description and proper ordinance citation in the "comment" section.
Violation Notes: Returned to compliance on 07/22/2020. OBSERVATION: Owner/Operator did not apply for a plan check permit to replace their dispensers for 87 & 91 octane. Facility also needed to do a cold start after upgrading their software for AQMD requirements. Facility never properly completed a cold start after upgrading their software. Facility lost

ARCO (Continued) **S101582659**

their alarm history between May and June DO reports. CORRECTIVE ACTION: Pull a permit through LAFD plan check for the new dispensers 1/2, 3/4, 5/6, & 7/8 and for the cold start certification. If this facility completes work in the future without a permit they will be sent to my legal unit for fine assessment.

Violation Division: Los Angeles City Fire Department
Violation Program: UST
Violation Source: CERS,

Site ID: 72516
Site Name: SUPERFINE II (VALERO)
Violation Date: 04-20-2022
Citation: HSC 6.7 25284, 25286 - California Health and Safety Code, Chapter 6.7, Section(s) 25284, 25286
Violation Description: Failure to submit a complete and accurate application for a permit to operate a UST, or for renewal of the permit.
Violation Notes: Returned to compliance on 05/17/2022. OBSERVATION: UST tank information is not current in CERS. In tank description under TANK CAPACITY IN GALLONS for T4 it states "12,000". CORRECTIVE ACTION: In tank description under TANK CAPACITY IN GALLONS for T4 it should state "10,000".
Violation Division: Los Angeles City Fire Department
Violation Program: UST
Violation Source: CERS,

Site ID: 72516
Site Name: SUPERFINE II (VALERO)
Violation Date: 06-26-2019
Citation: 23 CCR 16 2711(a)(8) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2711(a)(8)
Violation Description: Failure to submit or maintain a current facility plot plan.
Violation Notes: Returned to compliance on 07/22/2020. Observation: Site plot plan does not meet requirements. Corrective action: attach site plot plan from 2019 monitor certification. Should include approximate piping and all monitor plan components.
Violation Division: Los Angeles City Fire Department
Violation Program: UST
Violation Source: CERS,

Site ID: 72516
Site Name: SUPERFINE II (VALERO)
Violation Date: 07-22-2020
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description: Failure to establish and electronically submit an adequate emergency response plan and procedures for a release or threatened release of a hazardous material.
Violation Notes: Returned to compliance on 05/25/2021. OBSERVATION: The business failed to establish and electronically submit adequate emergency response procedures for a release or threatened release of a hazardous material. CORRECTIVE ACTION: Establish and electronically submit adequate emergency response procedures for a release or threatened release of a hazardous material within 30 days. Review, update and resubmit the Emergency Response/Contingency Plan and Employee Training Plan in CERS with all the required information. Ensure the phone numbers for the local CUPA (213) 978-3680, Regional Water Quality Control Board (213) 576-6600, and nearest hospital facility are

ARCO (Continued) **S101582659**

inputted correctly. You can download the most current CONTINGENCY PLAN form as well as CONTINGENCY PLAN INSTRUCTIONS in the Hazardous Materials Business Plan Section (HMBP) using the following link https://www.lafd.org/fire-prevention/cupa/documents-forms. Last portion in Section C emergency coordinator, primary and alternate coordinator information was not [Truncated]

Violation Division: Los Angeles City Fire Department
Violation Program: HMRRP
Violation Source: CERS,

Site ID: 72516
Site Name: SUPERFINE II (VALERO)
Violation Date: 01-08-2015
Citation: HSC 6.11 25404.1 - California Health and Safety Code, Chapter 6.11, Section(s) 25404.1
Violation Description: Failure to obtain and/or maintain an active hazardous waste generator permit.
Violation Notes: Returned to compliance on 08/06/2015. OBSERVATION: No permit available for review, per operator the record keeper is not available CORRECTIVE ACTION: The Owner/Operator shall immediately apply to receive a new or renewed hazardous waste generator permit and maintain that permit as active as long as the facility is in operation and continues to generate hazardous waste. Provide a copy to the inspection office.
Violation Division: Los Angeles County Fire Department
Violation Program: HW
Violation Source: CERS,

Site ID: 72516
Site Name: SUPERFINE II (VALERO)
Violation Date: 04-16-2019
Citation: 23 CCR 16 2715(f) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2715(f)
Violation Description: Failure to have a properly qualified service technician test leak detection equipment as required every 12 months (vapor, pressure, hydrostatic (VPH) system, sensors, line-leak detectors (LLD), automatic tank gauge (ATG), etc.).
Violation Notes: Returned to compliance on 04/16/2019. Observation: monitor certification and spill bucket test due 2/13/19 not done till 4/16/19. Corrected on site
Violation Division: Los Angeles City Fire Department
Violation Program: UST
Violation Source: CERS,

Evaluation:
Eval General Type: Compliance Evaluation Inspection
Eval Date: 07-22-2020
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Consent to enter, inspect and take photographs was given by: Nick Bagdasarian, Manager. The Business Activities, Owner/Operator Identification, Hazardous Materials Inventory, Site Map, Emergency Response/Contingency Plan and Employee Training Plan sections were reviewed in CERS and field verified. Review and correct any violations indicated previously in this report, on or before the COMPLY BY date associated with each violation. New user instructions are provided below. Routine compliance inspection was unable to be conducted by the due date due to LAFD response and operational restrictions to the

ARCO (Continued) **S101582659**

COVID 19 crisis NOTE: The LAMC, Sections (L.A.M.C. SECTIONS 57.105.1.4; 57.120.3; 57.121.2 and 57.121.2.1.) requires businesses that store, use or handle hazardous materials in the City of Los Angeles to obtain a Consolidated Permit from the Los Angeles Fire Department CUPA **** Annual submission of a Hazardous Materials Business Plan into CERS is required between [Truncated]

Eval Division: Los Angeles City Fire Department
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 08-04-2015
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Los Angeles County Fire Department
Eval Program: HW
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 08-06-2015
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Los Angeles County Fire Department
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 08-17-2021
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Results of follow up inspection revealed the following. Manifest provided CleanTech 8-11-21 -440963 - 250 gal used oil. 030031945 WAS -850 lbs used filters
Eval Division: Los Angeles County Fire Department
Eval Program: HW
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 08-18-2020
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: 500 S Alameda St NOV follow up for facility at 500 S Alameda St. Inspector Young reviewed the facility's latest CERS UST submittal. Facility updated their tank information and monitoring plan. Inspector Young emailed DO Tony Markarian to let him know of the clearing of the CERS violations and that the others for the missing work order and monitoring plan on site were still open.
Eval Division: Los Angeles City Fire Department
Eval Program: UST
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 08-19-2020
Violations Found: No
Eval Type: Other, not routine, done by local agency

ARCO (Continued) **S101582659**

Eval Notes: 500 S Alameda St NOV follow up for facility at 500 S Alameda St. Facility sent in copy of the work order for set up data warning. Facility also printed a copy of the monitoring plan and placed it in the binder on site. Inspector Young emailed DO Tony Markarian to let him know of the clearing all violations.
Eval Division: Los Angeles City Fire Department
Eval Program: UST
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 10-25-2021
Violations Found: Yes
Eval Type: Other, not routine, done by local agency
Eval Notes: 500 S Alameda St Facility has not complied with the above written violation within the 30 days. This violation has been upgraded to a CLASS II violation. Facility has 30 days to comply with the violation or this violation will be upgraded to a CLASS I which will be forwarded to my Legal unit for fine and penalty assessment. Violators can be liable for civil penalties up to $5,000 dollars per day, for each violation. HSC 25299, HSC 25270.12. Report emailed to sfholdingsla@gmail.com, jorgegallo85@gmail.com. **********SECOND NOTICE**********
Eval Division: Los Angeles City Fire Department
Eval Program: UST
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 12-08-2021
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: 500 S ALAMEDA ST REVIEWED RECEIVED ANNUAL MONITORING SYSTEM CERTIFICATION AND SPILL BUCKET RESULTS FOR TESTING CONDUCTED ON 4/20/2020 BY ZARMIK ALDOYAN WITH ROBERTSON TESTING. CONFIRMED RESULTS WERE REQUESTED, RECEIVED SCANNED / DOWNLOADED AND ATTACHED IN ENVISION. NO FAILURES NOTED ON THE REPORT.
Eval Division: Los Angeles City Fire Department
Eval Program: UST
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 02-20-2018
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: PREPARED SHOWCAUSE PACKETS FOR MAILING AND SENT CERTIFIED MAIL
Eval Division: Los Angeles City Fire Department
Eval Program: UST
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 03-01-2018
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Follow up phone call regarding violations. Informed that they will receive info regarding AEO shortly. Email sent to Kurt Corral.
Eval Division: Los Angeles City Fire Department
Eval Program: UST
Eval Source: CERS,

ARCO (Continued) **S101582659**

Eval General Type: Other/Unknown
Eval Date: 03-04-2019
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: REVIEWED RECEIVED OVERFILL PREVENTION EQUIPMENT INSPECTION REPORT FOR TESTING CONDUCTED ON 12/14/18 BY Zarmik Aldoyan CONFIRMED RESULTS WERE SCANNED/ DOWNLOADED AND ATTACHED IN ENVISION. DW or SW vent lines: DW
Type of overfill listed in CERS: A/V: NOTIFIED TO CORRECT TO FILL TUBE
Type of overfill tested: Overfill report results read PASS All
information to be verified at next facility inspection.
Eval Division: Los Angeles City Fire Department
Eval Program: UST
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-08-2015
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Ramon Soto
Eval Division: Los Angeles County Fire Department
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 02-09-2016
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: ERNESTO ESCOBEDO ICC: 5248985 EXP: 2-26-17 CLASS I: WASTE OIL SUMP SENSOR WAS LIFTED DUE TO APPROXIMATELY 5-10 GALLONS OF OIL IN THE SUMP MINOR VIOLATIONS: OVERFILL LIGHT AND RESET BUTTONS NOT WORKING. LIGHT FIXED ON SITE CERS UST PORTION NOT ACCEPTED DUE TO NO INSTALLATION DATE NO ESO SIGN ABOVE THE SWITCH
Eval Division: Los Angeles City Fire Department
Eval Program: UST
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 03-19-2018
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: PREPARED SETTLEMENT DISCUSSION PACKETS
Eval Division: Los Angeles City Fire Department
Eval Program: UST
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 04-20-2018
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Reviewed CERS and old inspection documentation to clear final violations.
Eval Division: Los Angeles City Fire Department
Eval Program: UST
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 04-20-2020

ARCO (Continued) **S101582659**

Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: LAFD Inspector Christopher Young on site 4/20/2020 to conduct routine inspection of underground storage tank facility. Monitoring System components were observed and verified this date. Consent to enter, inspect and take photographs was given on this date by Nick Bagdasarian, Manager. Monitoring system certification was performed at this time. Monitoring certification was performed by Zarmik Aldoyan with Robertson Testing. Monitoring System components were observed and verified on this date. Tester provided the following certifications: Zarmik Aldoyan ICC: 5244319 Exp: 1/11/2022 VR: #B36723 Exp: 1/4/2021 VMI: #3693 Exp: 3/1/2021 The UST monitoring panel showed all functions normal. The monitoring set up and alarm history were provided for review. The sumps and UDCs were opened for inspection and the sensors were observed positioned to detect a leak at the earliest opportunity. The spill buckets were also visually inspected. The Monitoring Plan was [Truncated]
Eval Division: Los Angeles City Fire Department
Eval Program: UST
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 05-08-2019
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Reviewed and attached monitor certification results. Reviewed open violations.
Eval Division: Los Angeles City Fire Department
Eval Program: UST
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 06-26-2018
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Jorge Gallo, Manager
Eval Division: Los Angeles County Fire Department
Eval Program: HW
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 06-27-2019
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Corrected report from 6-26.
Eval Division: Los Angeles City Fire Department
Eval Program: UST
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 03-17-2015
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Per Captain d Lisa Davies orders in email sent Thu, Mar 12, 2015 at 4:00PM: Criteria for worksheet: Check to see if inspection date against daily time and activity to verify if the last inspection date. If an inspection is found to be more current, please clean up that

ARCO (Continued) **S101582659**

data as shown by Insp. Morel. Separate all activities done: MC, SB SB-989, install, removal If you encounter scanned files, you must search all the attachments for test results, tank info, etc. If a tank pull is encountered, record the date of the removal - to be updated in EnvisionCONNECT. If an inspection is due, research to see if it is HazMat or UST. If a city facility, give Sean Sullivan a call, he may be able to provide documentation - handles tanks. Check against the CERS submittals, info may have been submitted.

Eval Division: Los Angeles City Fire Department
Eval Program: UST
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 04-29-2021
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: LAFD Inspector Christopher Young on site 4/29/2021 to conduct routine inspection of underground storage tank facility. Monitoring System components were observed and verified this date. Consent to enter, inspect and take photographs was given on this date by George Gallo, Manager. Monitoring system certification was performed at this time. Monitoring certification was performed by Zareh Aldoyan with Robertson Testing. Monitoring System components were observed and verified on this date. Tester provided the following certifications: Zareh Aldoyan ICC: 8890522 Exp: 3/11/2022 VR: C28496 Exp: 6/4/2022 VMI: 4724 Exp: 6/30/2022 The UST monitoring panel showed all functions normal. The monitoring set up and alarm history were provided for review. The sumps and UDCs were opened for inspection and the sensors were observed positioned to detect a leak at the earliest opportunity. The spill buckets were also visually inspected. The Monitoring Plan was compared to the [Truncated]

Eval Division: Los Angeles City Fire Department
Eval Program: UST
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 05-25-2021
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: 500 S Alameda St NOV follow up for facility at 500 S Alameda St. Inspector Young reviewed the facility's latest CERS UST submittal. Facility made all necessary corrections to the CERS UST submittal. Facility also sent in missing copies of work order that were not found during on site inspections. All other violations are still open. Inspector Young emailed Peter Karadijan to let him know of the fact that those violations were still open.

Eval Division: Los Angeles City Fire Department
Eval Program: UST
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 06-26-2020
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: 500 S ALAMEDA ST REVIEWED RECEIVED ANNUAL MONITORING SYSTEM CERTIFICATION AND SPILL BUCKET RESULTS FOR TESTING CONDUCTED ON 4/20/2020 BY ZARMIK ALDOYAN WITH ROBERTSON TESTING. CONFIRMED RESULTS

ARCO (Continued) **S101582659**

WERE REQUESTED, RECEIVED SCANNED / DOWNLOADED AND ATTACHED IN ENVISION. NO FAILURES NOTED ON THE REPORT.

Eval Division: Los Angeles City Fire Department
Eval Program: UST
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 07-28-2022
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: 500 S Alameda St NOV follow up for facility at 500 S Alameda St. Inspector Young reviewed the facility's latest CERS UST submittal. Facility updated their tank capacity for T4 and updated the monitoring plan for T2. Facility also fully completed the owner/operator agreement. CERS NOVs were cleared to the date of submission on 5/17/2022. Facility also sent an email with the missing work orders and printed out a copy of the current monitoring plan to place on-site. Those NOV's were cleared to the date in which the email was sent on 5/17/2022. Facility also recently replaced the UDC 15/16 VR 208 sensor. Facility will need to send a test results sheet for that testing. This was applied to D5 like for like permit that was issued during the annual facility inspection. Previous duplicate NOV's were also cleared as they should have been previously. .

Eval Division: Los Angeles City Fire Department
Eval Program: UST
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 02-06-2017
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Inspector Lawrence Kim with the LAFD, onsite 500 S ALAMEDA ST to conduct routine inspection of underground storage tank. Consent to enter, inspect and take photographs was given on this date by STORE CLERK MONITOR CERTIFICATION was conducted at this time. Monitoring certification was performed by ERNESTO ESCOBEDO WITH FAST & FAIR CONSTRUCTION INC Tester provided the following certifications: ERNESTO ESCOBEDO ICC: 5248985 EXP: 4-16-17 The UST monitoring panel showed all functions normal. The monitoring set up and alarm history were provided for review. The sumps and UDCs were opened for inspection and the sensors were observed positioned to detect a leak at the earliest opportunity. The spill buckets were also visually inspected. The Monitoring Plan was compared to the equipment onsite. The operation of the UST system was compared to the conditions of the operating permit. Ensure submittal of monitor certification test results within 30 days using one of the [Truncated]

Eval Division: Los Angeles City Fire Department
Eval Program: UST
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 02-08-2022
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: 500 S Alameda St This entry is merely to close out duplicate violations.

Eval Division: Los Angeles City Fire Department

ARCO (Continued) **S101582659**

Eval Program: UST
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 02-09-2016
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Los Angeles City Fire Department
Eval Program: UST
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 02-13-2018
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Inspector Craig LAFD, on site this date to conduct routine inspection of underground storage tank. Consent to enter, inspect and take photographs was given on this date by George Gallo Monitoring system certification was conducted at this time. Monitoring certification was performed by Fast and Fair RICARDO REGALADO ICC: 8274704 EXP: 10-22-18 VR: B33280 EXP: 05-13-19. VMI: 3648, 3649 EXP: 03-06-19 The UST monitoring panel showed all functions normal. The monitoring set up and alarm history were provided for review. The sumps and UDCs were opened for inspection and the sensors were observed positioned to detect a leak at the earliest opportunity. The spill buckets were also visually inspected. The Monitoring Plan was compared to the equipment onsite. The operation of the UST system was compared to the conditions of the operating permit. Property Owner: S F HOLDING CO Tank Owner/ Operator: S F HOLDING CO Peter Karadjian Number of Tanks: 4 Tank 1: [Truncated]
Eval Division: Los Angeles City Fire Department
Eval Program: UST
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 03-22-2018
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: PERFORMED SETTLEMENT DISCUSSIONS, FINALIZED CONSENT ORDER, AND PROCESSED PAYMENT.
Eval Division: Los Angeles City Fire Department
Eval Program: UST
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 04-16-2019
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Inspector Craig LAFD, on site this date to conduct routine inspection of underground storage tank. Consent to enter, inspect and take photographs was given on this date by George Gallo Monitoring system certification was conducted at this time. Monitoring certification was performed by COX COMPLIANCE JIMMY KONG of COX COMPLIANCE ICC: 8192099 EXP: 01/20/2019 VR: #B42792 Exp: 12/22/2020 VMI: 3392 EXP 06-02-19 The UST monitoring panel showed all functions normal. The monitoring set up and alarm history were provided for review. The sumps and UDCs were

ARCO (Continued) **S101582659**

opened for inspection and the sensors were observed positioned to detect a leak at the earliest opportunity. The spill buckets were also visually inspected. The Monitoring Plan was compared to the equipment onsite. The operation of the UST system was compared to the conditions of the operating permit. Property Owner: S F HOLDING CO Tank Owner/ Operator: Alcoy Real Estate Holdings/PETER [Truncated]

Eval Division: Los Angeles City Fire Department
Eval Program: UST
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 05-05-2015
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported

Eval Division: Los Angeles County Fire Department
Eval Program: HW
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 05-25-2021
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: 500 S Alameda St NOV follow up for facility at 500 S Alameda St. Inspector Young reviewed the facility's latest CERS hazmat submittal. Facility made corrections to the business owner/identification page and emergency response/contingency plan. The site map and hazmat inventory still needs to be updated. Inspector Young emailed Peter Karadijan to let him know of the needed updates still.

Eval Division: Los Angeles City Fire Department
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 06-26-2019
Violations Found: Yes
Eval Type: Other, not routine, done by local agency
Eval Notes: Inspector Craig reviewed CERS and upgraded open violations. Notice sent to: sfholdingsla@gmail.com, jorgegallo85@gmail.com

Eval Division: Los Angeles City Fire Department
Eval Program: UST
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 08-30-2019
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Reviewed CERS and test results and cleared open violations.

Eval Division: Los Angeles City Fire Department
Eval Program: UST
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 10-01-2019
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: CERS review and discussion with Jerry for AEO.

ARCO (Continued) **S101582659**

Eval Division: Los Angeles City Fire Department
Eval Program: UST
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 10-16-2020
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Ramon Soto - Mechanic
Eval Division: Los Angeles County Fire Department
Eval Program: HW
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 02-11-2022
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: 500 S ALAMEDA ST REVIEWED RECEIVED ANNUAL MONITORING SYSTEM CERTIFICATION AND SPILL BUCKET RESULTS FOR TESTING CONDUCTED ON 4/29/2021 BY ZAREH ALDOYAN WITH ROBERTSON TESTING. CONFIRMED RESULTS WERE REQUESTED, RECEIVED SCANNED / DOWNLOADED AND ATTACHED IN ENVISION. NO FAILURES NOTED ON THE REPORT. RESULTS WERE ACCEPTED AS MISSING CERS ID WAS INCLUDED.
Eval Division: Los Angeles City Fire Department
Eval Program: UST
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 02-13-2017
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Los Angeles City Fire Department
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 03-14-2018
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: OPENED CASE AND REVIEWED PAPERWORK. PERFORMED OWNERSHIP AND CORPORATE SEARCHES. WROTE OWNER AND SHOWCAUSE LETTERS.
Eval Division: Los Angeles City Fire Department
Eval Program: UST
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 03-21-2018
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: PREPARED CONSENT ORDER AND PAYMENT VOUCHERS FOR SETTLEMENT DISCUSSIONS. OWNER WAS A NO SHOW AND DISCUSSIONS RESCHEDULED FOR 3/22/18 @ 1000
Eval Division: Los Angeles City Fire Department
Eval Program: UST
Eval Source: CERS,

ARCO (Continued) **S101582659**

Eval General Type: Other/Unknown
Eval Date: 03-24-2022
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: 500 S ALAMEDA ST REVIEWED RECEIVED OVERFILL PREVENTION RESULTS FOR TESTING CONDUCTED ON 11/26/2021 BY ZARMIK ALDOYAN WITH ROBERTSON TESTING. CONFIRMED RESULTS WERE REQUESTED, RECEIVED SCANNED / DOWNLOADED AND ATTACHED IN ENVISION. NO FAILURES NOTED ON THE REPORT.
Eval Division: Los Angeles City Fire Department
Eval Program: UST
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 04-20-2022
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: LAFD Inspector Christopher Young on site 4/20/2022 to conduct routine inspection of underground storage tank facility. Monitoring System components were observed and verified this date. Consent to enter, inspect and take photographs was given on this date by George Gallo, Manager. Monitoring system certification was performed at this time. Monitoring certification was performed by Zarmik Aldoyan with Robertson Testing CSLB:1001011 Exp: 2/28/2023. Monitoring System components were observed and verified on this date. Tester provided the following certifications: Zarmik Aldoyan ICC: 5244319 Exp: 1/8/2024 VR: #B36723 Exp: 1/4/2023 VMI: #3693 Exp: 3/3/2023 The UST monitoring panel showed all functions normal. The monitoring set up and alarm history WERE provided for review. The sumps and UDCs WERE opened for inspection and the sensors WERE observed positioned to detect a leak at the earliest opportunity. The spill buckets WERE also visually inspected. The Plan WAS [Truncated]
Eval Division: Los Angeles City Fire Department
Eval Program: UST
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 04-23-2019
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Reviewed and processed AEO relating to late testing
Eval Division: Los Angeles City Fire Department
Eval Program: UST
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 04-30-2021
Violations Found: Yes
Eval Type: Other, not routine, done by local agency
Eval Notes: 500 S Alameda St Facility has not complied with the above written violation within the 30 days. This violation has been upgraded to a CLASS II violation. Facility has 30 days to comply with the violation or this violation will be upgraded to a CLASS I which will be forwarded to my Legal unit for fine and penalty assessment. Violators can be liable for civil penalties up to $5,000 dollars per day, for each violation. HSC 25299, HSC 25270.12. Report emailed to sfholdingsla@gmail.com, jorgegallo85@gmail.com. **********SECOND NOTICE**********

ARCO (Continued) **S101582659**

Eval Division: Los Angeles City Fire Department
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 07-22-2020
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: 500 S Alameda St NOV follow up for facility at 500 S Alameda St. Inspector Young was on site for D5 permit under record ID SR0033823. Facility pulled a permit needed for cold start which facility completed in early 2020. Facility also corrected the DO reports, put deflectors in their dispensers, and relocated sensors to the lowest point. Inspector Young also reviewed the facility's latest CERS UST submittal. Facility updated their monitoring site plan and owner/operator agreement. Facility still needs some updating on their tank information and monitoring plan. Facility still needs to provide a copy of a work order for a set up data warning back on April 6th. Inspector Young spoke with manager Nick Bagdasarian.
Eval Division: Los Angeles City Fire Department
Eval Program: UST
Eval Source: CERS,

Enforcement Action:
Site ID: 72516
Site Name: SUPERFINE II (VALERO)
Site Address: 500 S ALAMEDA ST
Site City: LOS ANGELES
Site Zip: 90013
Enf Action Date: 04-01-2016
Enf Action Type: AEO - Unified Program
Enf Action Description: Administrative Enforcement Order Based on the Unified Program Statute
Enf Action Notes: Fines/Penalties Assessed: $12,500.00. Waste Oil UST:No Secondary Containment test ever done, no Monitoring Certification ever done until this years, removed annular sensor from Veeder-Root programming, raised fill sump sensor.
Enf Action Division: Los Angeles City Fire Department
Enf Action Program: UST
Enf Action Source: CERS,

Site ID: 72516
Site Name: SUPERFINE II (VALERO)
Site Address: 500 S ALAMEDA ST
Site City: LOS ANGELES
Site Zip: 90013
Enf Action Date: 04-28-2022
Enf Action Type: AEO - Unified Program
Enf Action Description: Administrative Enforcement Order Based on the Unified Program Statute
Enf Action Notes: Enforcement in Progress.
Enf Action Division: Los Angeles City Fire Department
Enf Action Program: UNSPEC
Enf Action Source: CERS,

Site ID: 72516
Site Name: SUPERFINE II (VALERO)
Site Address: 500 S ALAMEDA ST
Site City: LOS ANGELES

ARCO (Continued) **S101582659**

Site Zip: 90013
Enf Action Date: 06-14-2021
Enf Action Type: AEO - Unified Program
Enf Action Description: Administrative Enforcement Order Based on the Unified Program Statute
Enf Action Notes: Fines/Penalties Assessed: $8,500.00. -Failure to have a properly qualified service technician test leak detection equipment as required every 12 months.
Enf Action Division: Los Angeles City Fire Department
Enf Action Program: UST
Enf Action Source: CERS,

Site ID: 72516
Site Name: SUPERFINE II (VALERO)
Site Address: 500 S ALAMEDA ST
Site City: LOS ANGELES
Site Zip: 90013
Enf Action Date: 08-23-2018
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Fines/Penalties Assessed: $20,000.00.
Enf Action Division: Los Angeles City Fire Department
Enf Action Program: UST
Enf Action Source: CERS,

Coordinates:
Site ID: 72516
Facility Name: SUPERFINE II (VALERO)
Env Int Type Code: HWG
Program ID: 10253212
Coord Name: Not reported
Ref Point Type Desc: Center of a facility or station.,
Latitude: 34.041040
Longitude: -118.237560

Affiliation:
Affiliation Type Desc: CUPA District
Entity Name: Los Angeles City Fire Department
Entity Title: Not reported
Affiliation Address: 200 North Main Street, Room 1780
Affiliation City: Los Angeles
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 90012
Affiliation Phone: (213) 978-3680,

Affiliation Type Desc: Facility Mailing Address
Entity Name: Mailing Address
Entity Title: Not reported
Affiliation Address: 500 S ALAMEDA
Affiliation City: LOS ANGELES
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 90013
Affiliation Phone: ,

Affiliation Type Desc: UST Property Owner Name

ARCO (Continued) **S101582659**

Entity Name:	S F HOLDING CO
Entity Title:	Not reported
Affiliation Address:	500 S ALAMEDA ST S
Affiliation City:	Los Angeles
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	90013
Affiliation Phone:	(213) 626-1259,
Affiliation Type Desc:	UST Tank Owner
Entity Name:	Alcoy Real Estate Holdings
Entity Title:	Not reported
Affiliation Address:	500 S ALAMEDA ST S
Affiliation City:	Los Angeles
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	90013
Affiliation Phone:	(213) 626-1259,
Affiliation Type Desc:	Document Preparer
Entity Name:	George Gallo
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	.
Affiliation Type Desc:	Legal Owner
Entity Name:	S F HOLDING CO
Entity Title:	Not reported
Affiliation Address:	500 S ALAMEDA ST
Affiliation City:	LOS ANGELES
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	90013
Affiliation Phone:	(213) 626-5801,
Affiliation Type Desc:	Property Owner
Entity Name:	Alkoy real estate Holding
Entity Title:	Not reported
Affiliation Address:	500 S ALAMEDA ST
Affiliation City:	LOS ANGELES
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	90013
Affiliation Phone:	(213) 626-5801,
Affiliation Type Desc:	UST Tank Operator
Entity Name:	Peter Karadjian
Entity Title:	Not reported
Affiliation Address:	500 S ALAMEDA ST S
Affiliation City:	Los Angeles
Affiliation State:	ca
Affiliation Country:	United States
Affiliation Zip:	90013

ARCO (Continued) **S101582659**

Affiliation Phone:	(213) 626-1259,
Affiliation Type Desc:	Environmental Contact
Entity Name:	Peter Karadjian
Entity Title:	Not reported
Affiliation Address:	500 S ALAMEDA ST
Affiliation City:	LOS ANGELES
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	90013
Affiliation Phone:	.
Affiliation Type Desc:	Identification Signer
Entity Name:	PETER KARADJIAN
Entity Title:	MANAGER
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	.
Affiliation Type Desc:	UST Permit Applicant
Entity Name:	Peter Karadjian
Entity Title:	manager
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	(213) 626-1259,
Affiliation Type Desc:	Operator
Entity Name:	Peter Karadjian
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	(213) 626-5801,
Affiliation Type Desc:	Parent Corporation
Entity Name:	SUPERFINE II (VALERO)
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	.
Name:	ARCO
Address:	500 ALAMEDA ST S
City,State,Zip:	LOS ANGELES, CA 90013
Site ID:	219160

ARCO (Continued) **S101582659**

CERS ID: T0603700539
CERS Description: Leaking Underground Storage Tank Cleanup Site

Affiliation:
Affiliation Type Desc: Local Agency Caseworker
Entity Name: ELOY LUNA - LOS ANGELES, CITY OF
Entity Title: Not reported
Affiliation Address: 200 North Main Street, Suite 1780
Affiliation City: LOS ANGELES
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: .

Affiliation Type Desc: Regional Board Caseworker
Entity Name: YUE RONG - LOS ANGELES RWQCB (REGION 4)
Entity Title: Not reported
Affiliation Address: 320 W. 4TH ST., SUITE 200
Affiliation City: Los Angeles
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: .

HWTS:
Name: SF HOLDING SUPERFINE TEXACO
Address: 500 S ALAMEDA ST
Address 2: Not reported
City,State,Zip: LOS ANGELES, CA 90013
EPA ID: CAL000263989
Inactive Date: 06/30/2016
Create Date: 12/20/2002
Last Act Date: Not reported
Mailing Name: Not reported
Mailing Address: 500 S ALAMEDA ST
Mailing Address 2: Not reported
Mailing City,State,Zip: LOS ANGELES, CA 900131708
Owner Name: SF HOLDING LPD SUPERFINE TEXACO INC
Owner Address: 500 S ALAMEDA ST
Owner Address 2: Not reported
Owner City,State,Zip: LOS ANGELES, CA 900131708
Contact Name: PETER KARADJIAN
Contact Address: 500 S ALAMEDA ST
Contact Address 2: Not reported
City,State,Zip: LOS ANGELES, CA 900131708
Facility Status: Inactive
Facility Type: PERMANENT
Category: STATE
Latitude: 34.04118
Longitude: -118.23773

NAICS:
EPA ID: CAL000263989
Create Date: 2002-12-20 11:11:06.327
NAICS Code: 44711
NAICS Description: Gasoline Stations with Convenience Stores
Issued EPA ID Date: 2002-12-20 11:11:06.29700

ARCO (Continued) **S101582659**

Inactive Date:	2016-06-30 00:00:00
Facility Name:	SF HOLDING SUPERFINE TEXACO
Facility Address:	500 S ALAMEDA ST
Facility Address 2:	Not reported
Facility City:	LOS ANGELES
Facility County:	Not reported
Facility State:	CA
Facility Zip:	900131708

256
SW
1/4-1/2
0.426 mi.
2248 ft.

Relative:
Lower

Actual:
237 ft.

COCA-COLA BOTTLING CO OF LA **S101585124**
1334 S CENTRAL **N/A**
LOS ANGELES, CA 90021

ENVIROSTOR
VCP
HIST UST
CA FID UST
CHMIRS
EMI
NPDES
HAZMAT
CIWQS
CERS

ENVIROSTOR:

Name:	COCA COLA LOS ANGELES
Address:	1334 SOUTH CENTRAL AVENUE
City,State,Zip:	LOS ANGELES, CA 90021
Facility ID:	60003104
Status:	Active
Status Date:	02/01/2021
Site Code:	301925
Site Type:	Voluntary Cleanup
Site Type Detailed:	Voluntary Agreement
Acres:	9.7
NPL:	NO
Regulatory Agencies:	SMBRP
Lead Agency:	SMBRP
Program Manager:	Nancy Cardona
Supervisor:	Jose Diaz
Division Branch:	Cleanup Chatsworth
Assembly:	, 53
Senate:	, 30
Special Program:	Voluntary Agreement - Standard Voluntary Agreement
Restricted Use:	NO
Site Mgmt Req:	NONE SPECIFIED
Funding:	Responsible Party
Latitude:	34.02885
Longitude:	-118.2450
APN:	5130-008-004
Past Use:	DRY CLEANING, MANUFACTURING - OTHER, OIL/WATER SEPARATORS, UNDERGROUND STORAGE TANKS
Potential COC:	Tetrachloroethylene (PCE Trichloroethylene (TCE Chloroform 1,2-Dichloroethylene (cis
Confirmed COC:	Tetrachloroethylene (PCE Trichloroethylene (TCE Chloroform 1,2-Dichloroethylene (cis
Potential Description:	IA, SV
Alias Name:	5130-008-004
Alias Type:	APN
Alias Name:	301925
Alias Type:	Project Code (Site Code)

COCA-COLA BOTTLING CO OF LA (Continued) **S101585124**

Alias Name: 60003104
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Standard Voluntary Agreement
Completed Date: 03/16/2021
Comments: Agreement signed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 09/30/2021
Comments: complete

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Application
Completed Date: 02/12/2021
Comments: Application accepted

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Report
Completed Date: 04/07/2021
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Supplemental Site Investigation Workplan
Completed Date: 12/06/2021
Comments: Not reported

Future Area Name: PROJECT WIDE
Future Sub Area Name: Not reported
Future Document Type: Removal Action Workplan
Future Due Date: 2023
Schedule Area Name: PROJECT WIDE
Schedule Sub Area Name: Not reported
Schedule Document Type: Supplemental Site Investigation Report
Schedule Due Date: 06/01/2023
Schedule Revised Date: Not reported

VCP:
Name: COCA COLA LOS ANGELES
Address: 1334 SOUTH CENTRAL AVENUE
City,State,Zip: LOS ANGELES, CA 90021
Facility ID: 60003104
Site Type: Voluntary Cleanup
Site Type Detail: Voluntary Agreement
Site Mgmt. Req.: NONE SPECIFIED
Acres: 9.7
National Priorities List: NO
Cleanup Oversight Agencies: SMBRP
Lead Agency: SMBRP
Lead Agency Description: DTSC - Site Cleanup Program

COCA-COLA BOTTLING CO OF LA (Continued) **S101585124**

Project Manager:	Nancy Cardona
Supervisor:	Jose Diaz
Division Branch:	Cleanup Chatsworth
Site Code:	301925
Assembly:	, 53
Senate:	, 30
Special Programs Code:	Voluntary Agreement - Standard Voluntary Agreement
Status:	Active
Status Date:	02/01/2021
Restricted Use:	NO
Funding:	Responsible Party
Lat/Long:	34.02885 / -118.2450
APN:	5130-008-004
Past Use:	DRY CLEANING, MANUFACTURING - OTHER, OIL/WATER SEPARATORS, UNDERGROUND STORAGE TANKS
Potential COC:	30022, 30027, 30136, 30195
Confirmed COC:	30022,30027,30136,30195
Potential Description:	IA, SV
Alias Name:	5130-008-004
Alias Type:	APN
Alias Name:	301925
Alias Type:	Project Code (Site Code)
Alias Name:	60003104
Alias Type:	Envirostor ID Number

Completed Info:

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Standard Voluntary Agreement
Completed Date:	03/16/2021
Comments:	Agreement signed
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Annual Oversight Cost Estimate
Completed Date:	09/30/2021
Comments:	complete
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Application
Completed Date:	02/12/2021
Comments:	Application accepted
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Preliminary Endangerment Assessment Report
Completed Date:	04/07/2021
Comments:	Not reported
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Supplemental Site Investigation Workplan
Completed Date:	12/06/2021
Comments:	Not reported
Future Area Name:	PROJECT WIDE
Future Sub Area Name:	Not reported

COCA-COLA BOTTLING CO OF LA (Continued) **S101585124**

Future Document Type: Removal Action Workplan
Future Due Date: 2023
Schedule Area Name: PROJECT WIDE
Schedule Sub Area Name: Not reported
Schedule Document Type: Supplemental Site Investigation Report
Schedule Due Date: 06/01/2023
Schedule Revised Date: Not reported

HIST UST:
Name: LOS ANGELES BOTTLING COMPANY O
Address: 1334 SOUTH CENTRAL AVENUE
City,State,Zip: LOS ANGELES, CA 90021
File Number: 0002765f
URL: https://documents.geotracker.waterboards.ca.gov/ustpdfs/pdf/0002765f.pdf
Region: Not reported
Facility ID: Not reported
Facility Type: Not reported
Other Type: Not reported
Contact Name: Not reported
Telephone: Not reported
Owner Name: Not reported
Owner Address: Not reported
Owner City,St,Zip: Not reported
Total Tanks: Not reported

Tank Num: Not reported
Container Num: Not reported
Year Installed: Not reported
Tank Capacity: Not reported
Tank Used for: Not reported
Type of Fuel: Not reported
Container Construction Thickness: Not reported
Leak Detection: Not reported

Click here for Geo Tracker PDF:

CA FID UST:
Facility ID: 19019952
Regulated By: UTNKA
Regulated ID: 00034046
Cortese Code: Not reported
SIC Code: Not reported
Facility Phone: 2137465555
Mail To: Not reported
Mailing Address: 1334 S CENTRAL AVE
Mailing Address 2: Not reported
Mailing City,St,Zip: LOS ANGELES 900210000
Contact: Not reported
Contact Phone: Not reported
DUNs Number: Not reported
NPDES Number: Not reported
EPA ID: Not reported
Comments: Not reported
Status: Active

COCA-COLA BOTTLING CO OF LA (Continued) **S101585124**

CHMIRS:

Name:	Not reported
Address:	1334 S CENTRAL AVE
City,State,Zip:	LOS ANGELES, CA 90021
OES Incident Number:	22-3398
OES notification:	06/15/2022
OES Date:	Not reported
OES Time:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	Yes
Waterway:	Storm Drain
Spill Site:	Merchant/Business
Cleanup By:	Unrecoverable
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Type:	SEWAGE
Measure:	Gal(s)
Other:	Not reported
Date/Time:	1445
Year:	2022
Agency:	Reyes Coca Cola
Incident Date:	06/15/2022
Admin Agency:	Los Angeles City Fire Department
Amount:	Not reported
Contained:	Stopped,Not contained
Site Type:	Storm Drain
E Date:	Not reported
Substance:	Clean Water
Quantity Released:	25
Unknown:	Not reported

COCA-COLA BOTTLING CO OF LA (Continued) **S101585124**

Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	Not reported
Number of Injuries:	Not reported
Number of Fatalities:	Not reported
#1 Pipeline:	No
#2 Pipeline:	No
#3 Pipeline:	No
#1 Vessel >= 300 Tons:	No
#2 Vessel >= 300 Tons:	No
#3 Vessel >= 300 Tons:	No
Evacs:	No
Injuries:	No
Fatals:	No
Comments:	Not reported
Description:	RP States: When washing the cooling tower approximately 25 gallons of clean water spilled onto the pavement below and into a near by storm drain. The water was unrecoverable since it has evaporated.

EMI:

Name:	COCA-COLA BOTTLING CO OF LA
Address:	1334 S CENTRAL AV & 1421 E. 14
City,State,Zip:	LOS ANGELES, CA 900210000
Year:	1987
County Code:	19
Air Basin:	SC
Facility ID:	6824
Air District Name:	SC
SIC Code:	2082
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	2
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Name:	COCA-COLA BOTTLING CO OF LA
Address:	1334 S CENTRAL AV
City,State,Zip:	LOS ANGELES, CA 900210000
Year:	1990
County Code:	19
Air Basin:	SC
Facility ID:	6824
Air District Name:	SC
SIC Code:	3565
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	1
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	0

COCA-COLA BOTTLING CO OF LA (Continued) **S101585124**

NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Name:	COCA-COLA BOTTLING CO OF LA
Address:	1334 S CENTRAL
City,State,Zip:	LOS ANGELES, CA 900210000
Year:	1990
County Code:	19
Air Basin:	SC
Facility ID:	49448
Air District Name:	SC
SIC Code:	2086
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	14
Reactive Organic Gases Tons/Yr:	9
Carbon Monoxide Emissions Tons/Yr:	6
NOX - Oxides of Nitrogen Tons/Yr:	6
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Name:	COCA-COLA BOTTLING CO OF LA
Address:	1334 S CENTRAL
City,State,Zip:	LOS ANGELES, CA 900210000
Year:	1993
County Code:	19
Air Basin:	SC
Facility ID:	49448
Air District Name:	SC
SIC Code:	2086
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Name:	COCA-COLA BOTTLING CO OF LA
Address:	1334 S CENTRAL AV
City,State,Zip:	LOS ANGELES, CA 900210000
Year:	1993
County Code:	19
Air Basin:	SC
Facility ID:	6824
Air District Name:	SC
SIC Code:	3565
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported

COCA-COLA BOTTLING CO OF LA (Continued) **S101585124**

Total Organic Hydrocarbon Gases Tons/Yr:	4
Reactive Organic Gases Tons/Yr:	2
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Name:	COCA-COLA BOTTLING CO OF LA
Address:	1334 S CENTRAL
City,State,Zip:	LOS ANGELES, CA 900210000
Year:	1995
County Code:	19
Air Basin:	SC
Facility ID:	49448
Air District Name:	SC
SIC Code:	2086
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Name:	COCA-COLA BOTTLING CO OF LA
Address:	1334 S CENTRAL AV
City,State,Zip:	LOS ANGELES, CA 900210000
Year:	1995
County Code:	19
Air Basin:	SC
Facility ID:	6824
Air District Name:	SC
SIC Code:	3565
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	4
Reactive Organic Gases Tons/Yr:	2
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Name:	COCA-COLA BOTTLING CO OF LA
Address:	1334 S CENTRAL AVE
City,State,Zip:	LOS ANGELES, CA 900210000
Year:	1996
County Code:	19
Air Basin:	SC
Facility ID:	6824
Air District Name:	SC
SIC Code:	3565

COCA-COLA BOTTLING CO OF LA (Continued) **S101585124**

Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	1
Reactive Organic Gases Tons/Yr:	1
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	1
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

NPDES:

Name:	REYES COCA COLA BOTTLING LLC
Address:	1334 SOUTH CENTRAL AVENUE
City,State,Zip:	LOS ANGELES, CA 90021
Facility Status:	Not reported
NPDES Number:	Not reported
Region:	Not reported
Agency Number:	Not reported
Regulatory Measure ID:	Not reported
Place ID:	Not reported
Order Number:	Not reported
WDID:	4 19I027443
Regulatory Measure Type:	Industrial
Program Type:	Not reported
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Discharge Address:	Not reported
Discharge Name:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
Status:	Active
Status Date:	10/31/2017
Operator Name:	Reyes Coca Cola Bottling LLC
Operator Address:	1334 South Central Avenue
Operator City:	Los Angeles
Operator State:	California
Operator Zip:	90021

NPDES as of 03/2018:

NPDES Number:	CAS000001
Status:	Active
Agency Number:	0
Region:	4
Regulatory Measure ID:	492330
Order Number:	97-03-DWQ
Regulatory Measure Type:	Enrollee
Place ID:	Not reported
WDID:	4 19I027443
Program Type:	Industrial
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	10/31/2017
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported

COCA-COLA BOTTLING CO OF LA (Continued) **S101585124**

Discharge Name:	Reyes Coca Cola Bottling LLC
Discharge Address:	1334 South Central Avenue
Discharge City:	Los Angeles
Discharge State:	California
Discharge Zip:	90021
Received Date:	Not reported
Processed Date:	Not reported
Status:	Not reported
Status Date:	Not reported
Place Size:	Not reported
Place Size Unit:	Not reported
Contact:	Not reported
Contact Title:	Not reported
Contact Phone:	Not reported
Contact Phone Ext:	Not reported
Contact Email:	Not reported
Operator Name:	Not reported
Operator Address:	Not reported
Operator City:	Not reported
Operator State:	Not reported
Operator Zip:	Not reported
Operator Contact:	Not reported
Operator Contact Title:	Not reported
Operator Contact Phone:	Not reported
Operator Contact Phone Ext:	Not reported
Operator Contact Email:	Not reported
Operator Type:	Not reported
Developer:	Not reported
Developer Address:	Not reported
Developer City:	Not reported
Developer State:	Not reported
Developer Zip:	Not reported
Developer Contact:	Not reported
Developer Contact Title:	Not reported
Constype Linear Utility Ind:	Not reported
Emergency Phone:	Not reported
Emergency Phone Ext:	Not reported
Constype Above Ground Ind:	Not reported
Constype Below Ground Ind:	Not reported
Constype Cable Line Ind:	Not reported
Constype Comm Line Ind:	Not reported
Constype Commertial Ind:	Not reported
Constype Electrical Line Ind:	Not reported
Constype Gas Line Ind:	Not reported
Constype Industrial Ind:	Not reported
Constype Other Description:	Not reported
Constype Other Ind:	Not reported
Constype Recons Ind:	Not reported
Constype Residential Ind:	Not reported
Constype Transport Ind:	Not reported
Constype Utility Description:	Not reported
Constype Utility Ind:	Not reported
Constype Water Sewer Ind:	Not reported
Dir Discharge Uswater Ind:	Not reported
Receiving Water Name:	Not reported
Certifier:	Not reported
Certifier Title:	Not reported

COCA-COLA BOTTLING CO OF LA (Continued) **S101585124**

Certification Date:	Not reported
Primary Sic:	Not reported
Secondary Sic:	Not reported
Tertiary Sic:	Not reported

Name:	REYES COCA COLA BOTTLING LLC
Address:	1334 SOUTH CENTRAL AVENUE
City,State,Zip:	LOS ANGELES, CA 90021
Facility Status:	Active
NPDES Number:	CAS000001
Region:	4
Agency Number:	0
Regulatory Measure ID:	492330
Place ID:	Not reported
Order Number:	97-03-DWQ
WDID:	4 19I027443
Regulatory Measure Type:	Enrollee
Program Type:	Industrial
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	10/31/2017
Termination Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Discharge Address:	1334 South Central Avenue
Discharge Name:	Reyes Coca Cola Bottling LLC
Discharge City:	Los Angeles
Discharge State:	California
Discharge Zip:	90021
Status:	Not reported
Status Date:	Not reported
Operator Name:	Not reported
Operator Address:	Not reported
Operator City:	Not reported
Operator State:	Not reported
Operator Zip:	Not reported

NPDES as of 03/2018:

NPDES Number:	CAS000001
Status:	Active
Agency Number:	0
Region:	4
Regulatory Measure ID:	492330
Order Number:	97-03-DWQ
Regulatory Measure Type:	Enrollee
Place ID:	Not reported
WDID:	4 19I027443
Program Type:	Industrial
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	10/31/2017
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	Reyes Coca Cola Bottling LLC
Discharge Address:	1334 South Central Avenue
Discharge City:	Los Angeles
Discharge State:	California
Discharge Zip:	90021
Received Date:	Not reported
Processed Date:	Not reported

COCA-COLA BOTTLING CO OF LA (Continued) **S101585124**

Status:	Not reported
Status Date:	Not reported
Place Size:	Not reported
Place Size Unit:	Not reported
Contact:	Not reported
Contact Title:	Not reported
Contact Phone:	Not reported
Contact Phone Ext:	Not reported
Contact Email:	Not reported
Operator Name:	Not reported
Operator Address:	Not reported
Operator City:	Not reported
Operator State:	Not reported
Operator Zip:	Not reported
Operator Contact:	Not reported
Operator Contact Title:	Not reported
Operator Contact Phone:	Not reported
Operator Contact Phone Ext:	Not reported
Operator Contact Email:	Not reported
Operator Type:	Not reported
Developer:	Not reported
Developer Address:	Not reported
Developer City:	Not reported
Developer State:	Not reported
Developer Zip:	Not reported
Developer Contact:	Not reported
Developer Contact Title:	Not reported
Constype Linear Utility Ind:	Not reported
Emergency Phone:	Not reported
Emergency Phone Ext:	Not reported
Constype Above Ground Ind:	Not reported
Constype Below Ground Ind:	Not reported
Constype Cable Line Ind:	Not reported
Constype Comm Line Ind:	Not reported
Constype Commertial Ind:	Not reported
Constype Electrical Line Ind:	Not reported
Constype Gas Line Ind:	Not reported
Constype Industrial Ind:	Not reported
Constype Other Description:	Not reported
Constype Other Ind:	Not reported
Constype Recons Ind:	Not reported
Constype Residential Ind:	Not reported
Constype Transport Ind:	Not reported
Constype Utility Description:	Not reported
Constype Utility Ind:	Not reported
Constype Water Sewer Ind:	Not reported
Dir Discharge Uswater Ind:	Not reported
Receiving Water Name:	Not reported
Certifier:	Not reported
Certifier Title:	Not reported
Certification Date:	Not reported
Primary Sic:	Not reported
Secondary Sic:	Not reported
Tertiary Sic:	Not reported

COCA-COLA BOTTLING CO OF LA (Continued) **S101585124**

LOS ANGELES HM:

Name:	REYES COCA-COLA BOTTLING
Address:	1334 S CENTRAL AVE
City,State,Zip:	LOS ANGELES, CA 90021
Facility ID:	FA0003449
Last Run Date:	11/01/2022
Status:	ACTIVE

Name:	REYES COCA-COLA BOTTLING
Address:	1334 S CENTRAL AVE
City,State,Zip:	LOS ANGELES, CA 90021
Facility ID:	FA0003449
Last Run Date:	11/01/2022
Status:	INACTIVE

Name:	REYES COCA-COLA BOTTLING
Address:	1334 S CENTRAL AVE
City,State,Zip:	LOS ANGELES, CA 90021
Facility ID:	FA0003449
Last Run Date:	11/01/2022
Status:	INACTIVE

CIWQS:

Name:	REYES COCA COLA BOTTLING LLC
Address:	1334 SOUTH CENTRAL AVENUE
City,State,Zip:	LOS ANGELES, CA 90021
Agency:	Reyes Coca Cola Bottling LLC
Agency Address:	1334 South Central Avenue, Los Angeles, CA 90021
Place/Project Type:	Industrial - Bottled and Canned Soft Drinks and Carbonated Waters
SIC/NAICS:	2086
Region:	4
Program:	INDSTW
Regulatory Measure Status:	Active
Regulatory Measure Type:	Storm water industrial
Order Number:	2014-0057-DWQ
WDID:	4 19I027443
NPDES Number:	CAS000001
Adoption Date:	Not reported
Effective Date:	10/31/2017
Termination Date:	Not reported
Expiration/Review Date:	Not reported
Design Flow:	Not reported
Major/Minor:	Not reported
Complexity:	Not reported
TTWQ:	Not reported
Enforcement Actions within 5 years:	0
Violations within 5 years:	0
Latitude:	34.02865
Longitude:	-118.24532

CERS:

Name:	REYES COCA COLA BOTTLING LLC
Address:	1334 SOUTH CENTRAL AVENUE
City,State,Zip:	LOS ANGELES, CA 90021
Site ID:	540783
CERS ID:	859829

COCA-COLA BOTTLING CO OF LA (Continued) **S101585124**

CERS Description: Industrial Facility Storm Water

Evaluation:
Eval General Type: Compliance Evaluation Inspection
Eval Date: 02-09-2018
Violations Found: No
Eval Type: Industrial Storm Water Compliance Evaluation
Eval Notes: The site was clean overall. Their SWPPP, training, and monitoring records were retained on site. The facility was in compliance during the inspection. See the attached inspection for the details.
Eval Division: Water Boards
Eval Program: INDSTW
Eval Source: SMARTS,

Affiliation:
Affiliation Type Desc: Owner/Operator
Entity Name: Reyes Coca Cola Bottling LLC
Entity Title: Operator
Affiliation Address: 1334 South Central Avenue
Affiliation City: Los Angeles
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 90021
Affiliation Phone: .

AT257 **ALCO CAD NICKEL PLATING CORP** **SEMS-ARCHIVE 1000327418**
SSW **1400 LONG BEACH AVENUE** **RCRA-LQG CAD008292435**
1/4-1/2 **LOS ANGELES, CA 90021**
0.428 mi.
2260 ft. **Site 1 of 2 in cluster AT**

Relative:
Lower

Actual:
236 ft.

SEMS Archive:
Site ID: 0904635
EPA ID: CAD008292435
Name: ALCO CAD NICKEL PLATING CORP
Address: 1400 LONG BEACH AVENUE
Address 2: Not reported
City,State,Zip: LOS ANGELES, CA 90021
Cong District: 25
FIPS Code: 06037
FF: N
NPL: Not on the NPL
Non NPL Status: NFRAP-Site does not qualify for the NPL based on existing information

SEMS Archive Detail:
Region: 09
Site ID: 0904635
EPA ID: CAD008292435
Site Name: ALCO CAD NICKEL PLATING CORP
NPL: N
FF: N
OU: 00
Action Code: DS
Action Name: DISCVRY
SEQ: 1
Start Date: 1992-11-20 05:00:00
Finish Date: 1992-11-20 05:00:00

ALCO CAD NICKEL PLATING CORP (Continued) **1000327418**

Qual:	Not reported
Current Action Lead:	EPA Perf
Region:	09
Site ID:	0904635
EPA ID:	CAD008292435
Site Name:	ALCO CAD NICKEL PLATING CORP
NPL:	N
FF:	N
OU:	00
Action Code:	PA
Action Name:	PA
SEQ:	1
Start Date:	2013-07-01 05:00:00
Finish Date:	2014-10-01 05:00:00
Qual:	N
Current Action Lead:	St Perf
Region:	09
Site ID:	0904635
EPA ID:	CAD008292435
Site Name:	ALCO CAD NICKEL PLATING CORP
NPL:	N
FF:	N
OU:	00
Action Code:	VA
Action Name:	OTHR CLEANUP
SEQ:	1
Start Date:	2013-09-19 05:00:00
Finish Date:	Not reported
Qual:	L
Current Action Lead:	St Perf

RCRA Listings:

Date Form Received by Agency:		20200125
Handler Name:	ALCO PLATING CORP	
Handler Address:		1400 LONG BEACH AVE
Handler City,State,Zip:		LOS ANGELES, CA 90021-0000
EPA ID:		CAD008292435
Contact Name:		DAVID MANZETTI
Contact Address:		LONG BEACH AVE
Contact City,State,Zip:		LOS ANGELES, CA 90021
Contact Telephone:		213-749-7561
Contact Fax:		Not reported
Contact Email:		DAVIDMPC@HOTMAIL.COM
Contact Title:		VICE PRESIDENT
EPA Region:		09
Land Type:		Private
Federal Waste Generator Description:		Large Quantity Generator
Non-Notifier:		Not reported
Biennial Report Cycle:		2019
Accessibility:		Not reported
Active Site Indicator:		Handler Activities
State District Owner:		Not reported
State District:		Not reported
Mailing Address:		LONG BEACH AVE

ALCO CAD NICKEL PLATING CORP (Continued) **1000327418**

Mailing City,State,Zip:		LOS ANGELES, CA 90021
Owner Name:	CHUCK MANZETTI	
Owner Type:		Private
Operator Name:	CHUCK MANZETTI	
Operator Type:		Private
Short-Term Generator Activity:		No
Importer Activity:		No
Mixed Waste Generator:		No
Transporter Activity:		No
Transfer Facility Activity:		No
Recycler Activity with Storage:		No
Small Quantity On-Site Burner Exemption:		No
Smelting Melting and Refining Furnace Exemption:		No
Underground Injection Control:		No
Off-Site Waste Receipt:		No
Universal Waste Indicator:		No
Universal Waste Destination Facility:		No
Federal Universal Waste:		No
Active Site Fed-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site Converter Treatment storage and Disposal Facility:		Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site State-Reg Handler:		---
Federal Facility Indicator:		Not reported
Hazardous Secondary Material Indicator:		N
Sub-Part K Indicator:		Not reported
Commercial TSD Indicator:		No
Treatment Storage and Disposal Type:		Not reported
2018 GPRA Permit Baseline:		Not on the Baseline
2018 GPRA Renewals Baseline:		Not on the Baseline
Permit Renewals Workload Universe:		Not reported
Permit Workload Universe:		Not reported
Permit Progress Universe:		Not reported
Post-Closure Workload Universe:		Not reported
Closure Workload Universe:		Not reported
202 GPRA Corrective Action Baseline:		No
Corrective Action Workload Universe:		No
Subject to Corrective Action Universe:		No
Non-TSDFs Where RCRA CA has Been Imposed Universe:		No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:		No
TSDFs Only Subject to CA under Discretionary Auth Universe:		No
Corrective Action Priority Ranking:		No NCAPS ranking
Environmental Control Indicator:		No
Institutional Control Indicator:		No
Human Exposure Controls Indicator:		N/A
Groundwater Controls Indicator:		N/A
Operating TSDF Universe:		Not reported
Full Enforcement Universe:		Not reported
Significant Non-Complier Universe:		No
Unaddressed Significant Non-Complier Universe:		No
Addressed Significant Non-Complier Universe:		No
Significant Non-Complier With a Compliance Schedule Universe:		No
Financial Assurance Required:	Not reported	
Handler Date of Last Change:		20200818
Recognized Trader-Importer:		No
Recognized Trader-Exporter:		No
Importer of Spent Lead Acid Batteries:		No
Exporter of Spent Lead Acid Batteries:		No

ALCO CAD NICKEL PLATING CORP (Continued) **1000327418**

Recycler Activity Without Storage: No
Manifest Broker: No
Sub-Part P Indicator: No

Biennial: List of Years
Year: 2019

Click Here for Biennial Reporting System Data:
Year: 2017

Click Here for Biennial Reporting System Data:
Year: 2015

Click Here for Biennial Reporting System Data:
Year: 2013

Click Here for Biennial Reporting System Data:
Year: 2011

Click Here for Biennial Reporting System Data:
Year: 2009

Click Here for Biennial Reporting System Data:
Year: 2007

Click Here for Biennial Reporting System Data:
Year: 2005

Click Here for Biennial Reporting System Data:
Year: 2003

Click Here for Biennial Reporting System Data:

Hazardous Waste Summary:
Waste Code: D001
Waste Description: IGNITABLE WASTE

Waste Code: D002
Waste Description: CORROSIVE WASTE

Waste Code: D007
Waste Description: CHROMIUM

Waste Code: F006
Waste Description: WASTEWATER TREATMENT SLUDGES FROM ELECTROPLATING OPERATIONS, EXCEPT FROM THE FOLLOWING PROCESSES: (1) SULFURIC ACID ANODIZING OF ALUMINUM; (2) TIN PLATING ON CARBON STEEL; (3) ZINC PLATING (SEGREGATED BASIS) ON CARBON STEEL; (4) ALUMINUM OR ZINC-ALUMINUM PLATING ON CARBON STEEL; (5) CLEANING/STRIPPING ASSOCIATED WITH TIN, ZINC, AND ALUMINUM PLATING ON CARBON STEEL; AND (6) CHEMICAL ETCHING AND MILLING OF ALUMINUM.

Waste Code: F008
Waste Description: PLATING BATH RESIDUES FROM THE BOTTOM OF PLATING BATHS FROM ELECTROPLATING OPERATIONS IN WHICH CYANIDES ARE USED IN THE PROCESS.

ALCO CAD NICKEL PLATING CORP (Continued) **1000327418**

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name: CHUCK MANZETTI	
Legal Status:	Private
Date Became Current:	19850210
Date Ended Current:	Not reported
Owner/Operator Address:	1400 LONG BEACH AVE
Owner/Operator City,State,Zip:	LOS ANGELES, CA 90021
Owner/Operator Telephone:	213-749-7561
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	DAVIDMPC@HOTMAIL.COM

Owner/Operator Indicator:	Operator
Owner/Operator Name: CHUCK MANZETTI	
Legal Status:	Private
Date Became Current:	19850210
Date Ended Current:	Not reported
Owner/Operator Address:	1400 LONG BEACH AVENUE
Owner/Operator City,State,Zip:	LOS ANGELES, CA 90021
Owner/Operator Telephone:	213-749-7561
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	DAVIDMPC@HOTMAIL.COM

Owner/Operator Indicator:	Owner
Owner/Operator Name: ALCO CAD-NICKEL PLATING	
Legal Status:	Private
Date Became Current:	19850210
Date Ended Current:	Not reported
Owner/Operator Address:	SAME AS ITEM 4
Owner/Operator City,State,Zip:	Not reported
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Owner
Owner/Operator Name: ALCO CAD NICKEL PLATING CORP	
Legal Status:	Private
Date Became Current:	19850210
Date Ended Current:	Not reported
Owner/Operator Address:	1400 LONG BEACH AVE
Owner/Operator City,State,Zip:	LOS ANGELES, CA 90021
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Owner
Owner/Operator Name: ALCO CAD-NICKEL PLATING	
Legal Status:	Private
Date Became Current:	19850210
Date Ended Current:	Not reported
Owner/Operator Address:	SAME AS ITEM 4
Owner/Operator City,State,Zip:	Not reported
Owner/Operator Telephone:	Not reported

ALCO CAD NICKEL PLATING CORP (Continued) **1000327418**

Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Operator
Owner/Operator Name: ALCO CAD-NICKEL PLATING	
Legal Status:	Private
Date Became Current:	19850210
Date Ended Current:	Not reported
Owner/Operator Address:	Not reported
Owner/Operator City,State,Zip:	Not reported
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Owner
Owner/Operator Name: ALCO CAD-NICKEL PLATING	
Legal Status:	Private
Date Became Current:	19850210
Date Ended Current:	Not reported
Owner/Operator Address:	1400 LONG BEACH AVE.
Owner/Operator City,State,Zip:	LOS ANGELES, CA 90021
Owner/Operator Telephone:	310-670-5045
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Operator
Owner/Operator Name: ALCO CAD-NICKEL PLATING	
Legal Status:	Private
Date Became Current:	19850210
Date Ended Current:	Not reported
Owner/Operator Address:	Not reported
Owner/Operator City,State,Zip:	Not reported
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Owner
Owner/Operator Name: ALCO CAD-NICKEL PLATING	CORP.
Legal Status:	Private
Date Became Current:	19850210
Date Ended Current:	Not reported
Owner/Operator Address:	1400 LONG BEACH AVENUE
Owner/Operator City,State,Zip:	LOS ANGELES, CA 90021
Owner/Operator Telephone:	213-749-7561
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Owner
Owner/Operator Name: ALCO CAD-NICKEL PLATING	CORP.
Legal Status:	Private
Date Became Current:	19850210
Date Ended Current:	Not reported

ALCO CAD NICKEL PLATING CORP (Continued) **1000327418**

Owner/Operator Address:	1400 LONG BEACH AVENUE
Owner/Operator City,State,Zip:	LOS ANGELES, CA 90021
Owner/Operator Telephone:	213-749-7561
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Owner
Owner/Operator Name:	ALCO CAD-NICKEL PLATING
Legal Status:	Private
Date Became Current:	19850210
Date Ended Current:	Not reported
Owner/Operator Address:	1400 LONG BEACH
Owner/Operator City,State,Zip:	LOS ANGELES, CA 90021
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Operator
Owner/Operator Name:	ALCO CAD-NICKEL PLATING
Legal Status:	Private
Date Became Current:	19850210
Date Ended Current:	Not reported
Owner/Operator Address:	Not reported
Owner/Operator City,State,Zip:	Not reported
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Operator
Owner/Operator Name:	ALCO CAD NICKEL PLATING CORP
Legal Status:	Private
Date Became Current:	19850210
Date Ended Current:	Not reported
Owner/Operator Address:	1400 LONG BEACH AVE
Owner/Operator City,State,Zip:	LOS ANGELES, CA 90021
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Operator
Owner/Operator Name:	ALCO CAD-NICKEL PLATING CORP.
Legal Status:	Private
Date Became Current:	19850210
Date Ended Current:	Not reported
Owner/Operator Address:	Not reported
Owner/Operator City,State,Zip:	Not reported
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Operator
Owner/Operator Name:	CHUCK MANZETTI

ALCO CAD NICKEL PLATING CORP (Continued) **1000327418**

Legal Status:	Private
Date Became Current:	19850210
Date Ended Current:	Not reported
Owner/Operator Address:	1400 LONG BEACH AVENUE
Owner/Operator City,State,Zip:	LOS ANGELES, CA 90021
Owner/Operator Telephone:	213-749-7561
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	DAVIDMPC@HOTMAIL.COM
Owner/Operator Indicator:	Operator
Owner/Operator Name:	ALCO CAD-NICKEL PLATING CORP.
Legal Status:	Private
Date Became Current:	19850210
Date Ended Current:	Not reported
Owner/Operator Address:	Not reported
Owner/Operator City,State,Zip:	Not reported
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Owner
Owner/Operator Name:	CHUCK MANZETTI
Legal Status:	Private
Date Became Current:	19850210
Date Ended Current:	Not reported
Owner/Operator Address:	1400 LONG BEACH AVE
Owner/Operator City,State,Zip:	LOS ANGELES, CA 90021
Owner/Operator Telephone:	213-749-7561
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	DAVIDMPC@HOTMAIL.COM
Owner/Operator Indicator:	Operator
Owner/Operator Name:	ALCO CAD-NICKEL PLATING
Legal Status:	Private
Date Became Current:	19850210
Date Ended Current:	Not reported
Owner/Operator Address:	Not reported
Owner/Operator City,State,Zip:	Not reported
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Operator
Owner/Operator Name:	NOT REQUIRED
Legal Status:	Private
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	NOT REQUIRED
Owner/Operator City,State,Zip:	NOT REQUIRED, ME 99999
Owner/Operator Telephone:	415-555-1212
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

ALCO CAD NICKEL PLATING CORP (Continued) **1000327418**

Owner/Operator Indicator: Owner
Owner/Operator Name: ALCO CAD NICKEL PLATING
Legal Status: Private
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: NOT REQUIRED
Owner/Operator City,State,Zip: NOT REQUIRED, ME 99999
Owner/Operator Telephone: 415-555-1212
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:

Receive Date: 20100301
Handler Name: ALCO CAD-NICKEL PLATING CORPORATION
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20130308
Handler Name: ALCO CAD-NICKEL PLATING CORP.
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20140301
Handler Name: ALCO CAD-NICKEL PLATING CORP
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20160710
Handler Name: ALCO CAD-NICKEL PLATING CORP.
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No

ALCO CAD NICKEL PLATING CORP (Continued) **1000327418**

Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	No
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

Receive Date:	20180929
Handler Name: ALCO PLATING CORP	
Federal Waste Generator Description:	Large Quantity Generator
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	No
Non Storage Recycler Activity:	No
Electronic Manifest Broker:	No

Receive Date:	20200125
Handler Name: ALCO PLATING CORP	
Federal Waste Generator Description:	Large Quantity Generator
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	No
Electronic Manifest Broker:	No

Receive Date:	19960901
Handler Name: ALCO PLATING CORP	
Federal Waste Generator Description:	Large Quantity Generator
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	No
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

Receive Date:	19800815
Handler Name: ALCO PLATING CORP	
Federal Waste Generator Description:	Large Quantity Generator
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	No

ALCO CAD NICKEL PLATING CORP (Continued) **1000327418**

Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 19980317
Handler Name: ALCO PLATING CORP
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 19900412
Handler Name: ALCO PLATING CORP
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 19920328
Handler Name: ALCO-CAD NICKEL PLATING CORP.
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 19940331
Handler Name: ALCO CAD-NICKEL PLATING
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 19960229
Handler Name: ALCO CAD-NICKEL PLATING CORP.

ALCO CAD NICKEL PLATING CORP (Continued) **1000327418**

Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 19990304
Handler Name: ALCO-CAD-NICKEL PLATING CO
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20001012
Handler Name: ALLO CAD-NICKEL
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20040223
Handler Name: ALCO CAD-NICKEL PLATING CORP
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20060206
Handler Name: ALCO CAD-NICKEL PLATING CORPORATION
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No

ALCO CAD NICKEL PLATING CORP (Continued) **1000327418**

Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20080711
Handler Name: ALCO CAD-NICKEL PLATING CORPORATION
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Code: 332813
NAICS Description: ELECTROPLATING, PLATING, POLISHING, ANODIZING, AND COLORING

Facility Has Received Notices of Violation:
Found Violation: No
Agency Which Determined Violation: Not reported
Violation Short Description: Not reported
Date Violation was Determined: Not reported
Actual Return to Compliance Date: Not reported
Return to Compliance Qualifier: Not reported
Violation Responsible Agency: Not reported
Scheduled Compliance Date: Not reported
Enforcement Identifier: Not reported
Date of Enforcement Action: Not reported
Enforcement Responsible Agency: Not reported
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: Not reported
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported

ALCO CAD NICKEL PLATING CORP (Continued) **1000327418**

Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	Generators - Records/Reporting
Date Violation was Determined:	20160916
Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	Generators - Pre-transport
Date Violation was Determined:	20131118
Actual Return to Compliance Date:	20140403
Return to Compliance Qualifier:	Documented
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported

ALCO CAD NICKEL PLATING CORP (Continued) **1000327418**

Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	EPA
Violation Short Description:	Generators - General
Date Violation was Determined:	20021028
Actual Return to Compliance Date:	20030501
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	EPA
Scheduled Compliance Date:	20030505
Enforcement Identifier:	001
Date of Enforcement Action:	20030415
Enforcement Responsible Agency:	EPA
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	RBROW
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported

ALCO CAD NICKEL PLATING CORP (Continued) **1000327418**

Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	Generators - Pre-transport
Date Violation was Determined:	20131118
Actual Return to Compliance Date:	20131118
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	EPA
Violation Short Description:	Generators - General
Date Violation was Determined:	20021028
Actual Return to Compliance Date:	20030501
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	EPA
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	001
Date of Enforcement Action:	20030213
Enforcement Responsible Agency:	EPA
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported

ALCO CAD NICKEL PLATING CORP (Continued) **1000327418**

Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	RBROW
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Found Violation:	Yes
Agency Which Determined Violation:	EPA
Violation Short Description:	Generators - Pre-transport
Date Violation was Determined:	20021028
Actual Return to Compliance Date:	20021028
Return to Compliance Qualifier:	Documented
Violation Responsible Agency:	EPA
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	001
Date of Enforcement Action:	20030213
Enforcement Responsible Agency:	EPA
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	RBROW
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported

ALCO CAD NICKEL PLATING CORP (Continued) **1000327418**

Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	Generators - Pre-transport
Date Violation was Determined:	20190923
Actual Return to Compliance Date:	20191016
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	Generators - Pre-transport
Date Violation was Determined:	20140403
Actual Return to Compliance Date:	20160916
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported

ALCO CAD NICKEL PLATING CORP (Continued) **1000327418**

Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	Generators - Pre-transport
Date Violation was Determined:	20160916
Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported

ALCO CAD NICKEL PLATING CORP (Continued) **1000327418**

Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	Generators - General
Date Violation was Determined:	20070202
Actual Return to Compliance Date:	20070202
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	601
Date of Enforcement Action:	20070202
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	WRITTEN INFORMAL
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	Generators - Pre-transport
Date Violation was Determined:	20131118
Actual Return to Compliance Date:	20140403
Return to Compliance Qualifier:	Documented
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported

ALCO CAD NICKEL PLATING CORP (Continued) **1000327418**

Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Found Violation:	No
Agency Which Determined Violation:	Not reported
Violation Short Description:	Not reported
Date Violation was Determined:	Not reported
Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	Not reported
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported

ALCO CAD NICKEL PLATING CORP (Continued) **1000327418**

Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	EPA
Violation Short Description:	Generators - Pre-transport
Date Violation was Determined:	20021028
Actual Return to Compliance Date:	20021028
Return to Compliance Qualifier:	Documented
Violation Responsible Agency:	EPA
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	001
Date of Enforcement Action:	20030213
Enforcement Responsible Agency:	EPA
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	RBROW
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	No
Agency Which Determined Violation:	Not reported
Violation Short Description:	Not reported
Date Violation was Determined:	Not reported
Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	Not reported
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported

ALCO CAD NICKEL PLATING CORP (Continued) **1000327418**

Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	Generators - General
Date Violation was Determined:	20131118
Actual Return to Compliance Date:	20140403
Return to Compliance Qualifier:	Documented
Violation Responsible Agency:	State
Scheduled Compliance Date:	20131218
Enforcement Identifier:	601
Date of Enforcement Action:	20131118
Enforcement Responsible Agency:	State
Enforcement Docket Number:	CD-05/14-305
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	FINAL 3008(A) COMPLIANCE ORDER
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported

ALCO CAD NICKEL PLATING CORP (Continued) **1000327418**

Proposed Amount:	Not reported
Final Monetary Amount:	13000
Paid Amount:	Not reported
Final Count:	1
Final Amount:	13000
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	Generators - General
Date Violation was Determined:	20101103
Actual Return to Compliance Date:	20101103
Return to Compliance Qualifier:	Documented
Violation Responsible Agency:	State
Scheduled Compliance Date:	20101103
Enforcement Identifier:	601
Date of Enforcement Action:	20101103
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	WRITTEN INFORMAL
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	No
Agency Which Determined Violation:	Not reported
Violation Short Description:	Not reported
Date Violation was Determined:	Not reported
Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	Not reported
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported

ALCO CAD NICKEL PLATING CORP (Continued) **1000327418**

Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	No
Agency Which Determined Violation:	Not reported
Violation Short Description:	Not reported
Date Violation was Determined:	Not reported
Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	Not reported
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported

ALCO CAD NICKEL PLATING CORP (Continued) **1000327418**

Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	Generators - Pre-transport
Date Violation was Determined:	20160916
Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	EPA
Violation Short Description:	Generators - General
Date Violation was Determined:	20021028
Actual Return to Compliance Date:	20030501
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	EPA
Scheduled Compliance Date:	20030505
Enforcement Identifier:	001
Date of Enforcement Action:	20030414
Enforcement Responsible Agency:	EPA
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported

ALCO CAD NICKEL PLATING CORP (Continued) **1000327418**

Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	WRITTEN INFORMAL
Enforcement Responsible Person:	RBROW
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	Generators - Records/Reporting
Date Violation was Determined:	20131118
Actual Return to Compliance Date:	20140403
Return to Compliance Qualifier:	Not Resolved
Violation Responsible Agency:	State
Scheduled Compliance Date:	20131218
Enforcement Identifier:	601
Date of Enforcement Action:	20131118
Enforcement Responsible Agency:	State
Enforcement Docket Number:	CD-05/14-305
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	FINAL 3008(A) COMPLIANCE ORDER
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported

ALCO CAD NICKEL PLATING CORP (Continued) **1000327418**

Proposed Amount:	Not reported
Final Monetary Amount:	13000
Paid Amount:	Not reported
Final Count:	1
Final Amount:	13000
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	Generators - Pre-transport
Date Violation was Determined:	20140403
Actual Return to Compliance Date:	20160916
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	Generators - Pre-transport
Date Violation was Determined:	20131118
Actual Return to Compliance Date:	20140403
Return to Compliance Qualifier:	Not Resolved
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported

ALCO CAD NICKEL PLATING CORP (Continued) **1000327418**

Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	Generators - Pre-transport
Date Violation was Determined:	20140403
Actual Return to Compliance Date:	20160916
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported

ALCO CAD NICKEL PLATING CORP (Continued) **1000327418**

Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	Generators - Pre-transport
Date Violation was Determined:	20131118
Actual Return to Compliance Date:	20140403
Return to Compliance Qualifier:	Documented
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	No
Agency Which Determined Violation:	Not reported
Violation Short Description:	Not reported
Date Violation was Determined:	Not reported
Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	Not reported
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported

ALCO CAD NICKEL PLATING CORP (Continued) **1000327418**

Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Evaluation Action Summary:

Evaluation Date:	20220831
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	CUPA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	20160916
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	NOT A SIGNIFICANT NON-COMPLIER
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	20131118
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	SIGNIFICANT NON-COMPLIER
Evaluation Responsible Person Identifier:	Not reported

ALCO CAD NICKEL PLATING CORP (Continued) **1000327418**

Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	20140403
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	20021028
Evaluation Responsible Agency:	EPA
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	RBROW
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	20030501
Scheduled Compliance Date:	20030505
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	20131118
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	SIGNIFICANT NON-COMPLIER
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	20131118
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	20021028
Evaluation Responsible Agency:	EPA
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	RBROW
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	20030501
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	20021028
Evaluation Responsible Agency:	EPA
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	RBROW
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	20021028
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported

ALCO CAD NICKEL PLATING CORP (Continued) **1000327418**

Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20190923
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	20191016
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20140403
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	SIGNIFICANT NON-COMPLIER
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	20160916
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20160916
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	NOT A SIGNIFICANT NON-COMPLIER
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20070202
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	20070202
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20131118
Evaluation Responsible Agency:	State

ALCO CAD NICKEL PLATING CORP (Continued) **1000327418**

Found Violation:	Yes
Evaluation Type Description:	SIGNIFICANT NON-COMPLIER
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	20140403
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	20170104
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	20021028
Evaluation Responsible Agency:	EPA
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	RBROW
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	20021028
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	20161019
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	20131118
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	SIGNIFICANT NON-COMPLIER
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	20140403

ALCO CAD NICKEL PLATING CORP (Continued) **1000327418**

Scheduled Compliance Date:	20131218
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20101103
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	20101103
Scheduled Compliance Date:	20101103
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20220922
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	CUPA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20191101
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	CUPA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20160916
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	NOT A SIGNIFICANT NON-COMPLIER
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

ALCO CAD NICKEL PLATING CORP (Continued) **1000327418**

Evaluation Date:	20021028
Evaluation Responsible Agency:	EPA
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	RBROW
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	20030501
Scheduled Compliance Date:	20030505
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	20131118
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	SIGNIFICANT NON-COMPLIER
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	20140403
Scheduled Compliance Date:	20131218
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	20140403
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	SIGNIFICANT NON-COMPLIER
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	20160916
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	20131118
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	SIGNIFICANT NON-COMPLIER
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	20140403
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	20140403
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	SIGNIFICANT NON-COMPLIER
Evaluation Responsible Person Identifier:	Not reported

ALCO CAD NICKEL PLATING CORP (Continued) **1000327418**

Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	20160916
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20131118
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	SIGNIFICANT NON-COMPLIER
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	20140403
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20140403
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	NOT A SIGNIFICANT NON-COMPLIER
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

AT258 **ALCO CAD-NICKEL PLATING CORP** **ENVIROSTOR** **U001560836**
SSW **1400 LONG BEACH AVE** **HIST UST** **N/A**
1/4-1/2 **LOS ANGELES, CA 90021** **EMI**
0.428 mi. **NPDES**
2260 ft. **Site 2 of 2 in cluster AT** **CIWQS**
CERS
Relative: **NON-CASE INFO**
Lower

Actual: ENVIROSTOR:
236 ft.

Name:	ALCO CAD-NICKEL PLATING CORPORATION
Address:	1400 LONG BEACH AVENUE
City,State,Zip:	LOS ANGELES, CA 90021
Facility ID:	19340751
Status:	Inactive - Action Required
Status Date:	12/04/2019
Site Code:	300806
Site Type:	Corrective Action
Site Type Detailed:	Corrective Action
Acres:	1.2
NPL:	NO
Regulatory Agencies:	SMBRP
Lead Agency:	SMBRP
Program Manager:	Not reported

ALCO CAD-NICKEL PLATING CORP (Continued) **U001560836**

Supervisor:	Philip Chandler
Division Branch:	Cleanup Chatsworth
Assembly:	53
Senate:	30
Special Program:	Voluntary Agreement - Standard Voluntary Agreement
Restricted Use:	NO
Site Mgmt Req:	NONE SPECIFIED
Funding:	Responsible Party
Latitude:	34.02567
Longitude:	-118.2409
APN:	5130-021-001, 5130-021-018, 5130021001, 5130021018
Past Use:	DEGREASING FACILITY, METAL FINISHING, METAL PLATING - CHROME, METAL PLATING - OTHER, METAL RECLAMATION, WASTE - INDUSTRIAL TREATMENT FACILITY
Potential COC:	* LIQUIDS WITH PH <= 2 * Metals - Sludge * AQUEOUS SOLUTION WITH METALS * CONTAMINATED SOIL * ACID SOLUTION 2>PH WITH METALS * ACID SOLUTION WITHOUT METALS * ALKALINE SOLUTION WITHOUT METALS * TANK BOTTOM WASTES * UNSPECIFIED ACID SOLUTION * UNSPECIFIED ALKALINE SOLUTIONS * UNSPECIFIED AQUEOUS SOLUTION * ALKALINE SOLUTION 2<PH<12.5, WITH METALS * AQUEOUS SOLUTION 2<PH<12.5, WITH REACTIVE ANIONS * OTHER INORGANIC SOLID WASTE * OTHER SPENT CATALYST * FCC WASTE * LIQUIDS WITH PH <= 2 WITH METALS Lead Cadmium and compounds Chromium VI Cyanide (free Nickel Arsenic Total Chromium (1:6 ratio Cr VI:Cr III Lead Tetrachloroethylene (PCE 1,1,1-Trichloroethane (TCA Trichloroethylene (TCE Vinyl chloride Cadmium and compounds Chromium VI Cobalt Mercury and compounds Nickel (soluble salts Nickel
Confirmed COC:	30001-NO 30005-NO 30013-NO 30022-NO 30026-NO 30027-NO 30028-NO 30108-NO 30153-NO 30154-NO 30357-NO 30406-NO 30407-NO
Potential Description:	OTH, SOIL, SV, IA
Alias Name:	ALCO CAD NICKEL PLATING
Alias Type:	Alternate Name
Alias Name:	ALCO CAD-NICKEL PLATING CORPORATION
Alias Type:	Alternate Name
Alias Name:	CADMIUM NICKEL PLATING COMPANY
Alias Type:	Alternate Name
Alias Name:	5130-021-001
Alias Type:	APN
Alias Name:	5130-021-018
Alias Type:	APN
Alias Name:	5130021001
Alias Type:	APN
Alias Name:	5130021018
Alias Type:	APN
Alias Name:	CAD008292435
Alias Type:	EPA Identification Number
Alias Name:	110000473345
Alias Type:	EPA (FRS #)
Alias Name:	300806
Alias Type:	Project Code (Site Code)
Alias Name:	19340751
Alias Type:	Envirostor ID Number

Completed Info:

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Preliminary Endangerment Assessment Report
Completed Date:	05/12/2003
Comments:	Potential release as a result of Preliminary Assessment (PA). Further

ALCO CAD-NICKEL PLATING CORP (Continued) **U001560836**

Action recommended.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Screening
Completed Date: 04/04/1997
Comments: The site has been occupied by metal plating companies since 1943. Site soil and possibly groundwater is contaminated with heavy metals and cyanides. Also, there are four under- ground abandoned storage tanks at the site. The tanks were closed without proper regulatory involvement. site, staff recommends a PEA.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization Workplan
Completed Date: 07/26/2006
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Standard Voluntary Agreement
Completed Date: 04/16/2004
Comments: VCA agreement for additional work is signed.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Standard Voluntary Agreement
Completed Date: 04/03/2000
Comments: DTSC enters into a Voluntary Cleanup Agreement with Alco Cad-Nickel Plating Corporation to review and comment on a Preliminary Endangerment Assessment (PEA) Report. The PEA was conducted without DTSC oversight.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Report
Completed Date: 06/06/2000
Comments: 06/06/2000: Based on review of the PEA, DTSC determines that

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Voluntary Cleanup Agreement Termination Notification
Completed Date: 10/07/2013
Comments: VCA terminated effective 10/07/2013. The Site is listed as Inactive - Action Required.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Screening
Completed Date: 10/01/2014
Comments: PASI Reassessment completed. Final Status: NFRAP

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 11/09/2011
Comments: Not reported

ALCO CAD-NICKEL PLATING CORP (Continued) **U001560836**

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Correspondence
Completed Date:	05/12/2006
Comments:	Not reported
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Correspondence
Completed Date:	05/17/2004
Comments:	Not reported
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Site Inspections/Visit (Non LUR)
Completed Date:	09/09/2013
Comments:	Conducted a Site visit of the facility
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Correspondence
Completed Date:	08/16/2012
Comments:	Project Inactivity correspondence letter sent 08/16/2012
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Fieldwork
Completed Date:	02/08/2008
Comments:	Completed field investigation consisting of borehole drilling for soil gas probe installation and continuous coring for soil stratigraphy logging and sampling and soil gas probe installation.
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Site Characterization Workplan
Completed Date:	12/18/2007
Comments:	RP's consultant will schedule equipment for field work after the holidays.
Future Area Name:	Not reported
Future Sub Area Name:	Not reported
Future Document Type:	Not reported
Future Due Date:	Not reported
Schedule Area Name:	Not reported
Schedule Sub Area Name:	Not reported
Schedule Document Type:	Not reported
Schedule Due Date:	Not reported
Schedule Revised Date:	Not reported

HIST UST:

Name:	ALCO FLATING CORPORATION
Address:	1400 LONG BEACH AVENUE
City,State,Zip:	LOS ANGELES, CA 90021
File Number:	0002626e
URL:	https://documents.geotracker.waterboards.ca.gov/ustpdfs/pdf/0002626e.pdf
Region:	STATE
Facility ID:	00000016805

ALCO CAD-NICKEL PLATING CORP (Continued) **U001560836**

Facility Type:	Other
Other Type:	ELECTROPLATING
Contact Name:	DAVE CULP
Telephone:	2137497561
Owner Name:	ALCO PLATING CORPORATION
Owner Address:	1400 LONG BEACH AVENUE
Owner City,St,Zip:	LOS ANGELES, CA 90021
Total Tanks:	0014
Tank Num:	001
Container Num:	A1
Year Installed:	Not reported
Tank Capacity:	00002000
Tank Used for:	WASTE
Type of Fuel:	Not reported
Container Construction Thickness:	3
Leak Detection:	Visual
Tank Num:	002
Container Num:	B1
Year Installed:	Not reported
Tank Capacity:	00009600
Tank Used for:	PRODUCT
Type of Fuel:	DIESEL
Container Construction Thickness:	Not reported
Leak Detection:	Stock Inventor
Tank Num:	003
Container Num:	A2
Year Installed:	Not reported
Tank Capacity:	00002000
Tank Used for:	WASTE
Type of Fuel:	Not reported
Container Construction Thickness:	Not reported
Leak Detection:	Visual
Tank Num:	004
Container Num:	A3
Year Installed:	Not reported
Tank Capacity:	00000700
Tank Used for:	WASTE
Type of Fuel:	Not reported
Container Construction Thickness:	Not reported
Leak Detection:	Visual
Tank Num:	005
Container Num:	A4
Year Installed:	Not reported
Tank Capacity:	00000115
Tank Used for:	WASTE
Type of Fuel:	Not reported
Container Construction Thickness:	Not reported
Leak Detection:	Visual
Tank Num:	006
Container Num:	A5
Year Installed:	Not reported

ALCO CAD-NICKEL PLATING CORP (Continued) **U001560836**

Tank Capacity:	00000115
Tank Used for:	WASTE
Type of Fuel:	Not reported
Container Construction Thickness:	Not reported
Leak Detection:	Visual

Tank Num:	007
Container Num:	A6
Year Installed:	Not reported
Tank Capacity:	00000115
Tank Used for:	WASTE
Type of Fuel:	Not reported
Container Construction Thickness:	Not reported
Leak Detection:	Visual

Tank Num:	008
Container Num:	A7
Year Installed:	Not reported
Tank Capacity:	00000115
Tank Used for:	WASTE
Type of Fuel:	Not reported
Container Construction Thickness:	Not reported
Leak Detection:	Visual

Tank Num:	009
Container Num:	A8
Year Installed:	Not reported
Tank Capacity:	00000115
Tank Used for:	WASTE
Type of Fuel:	Not reported
Container Construction Thickness:	Not reported
Leak Detection:	Visual

Tank Num:	010
Container Num:	A9
Year Installed:	Not reported
Tank Capacity:	00000115
Tank Used for:	WASTE
Type of Fuel:	Not reported
Container Construction Thickness:	Not reported
Leak Detection:	Not reported

Tank Num:	011
Container Num:	A10
Year Installed:	Not reported
Tank Capacity:	00000115
Tank Used for:	WASTE
Type of Fuel:	Not reported
Container Construction Thickness:	Not reported
Leak Detection:	Visual

Tank Num:	012
Container Num:	A11
Year Installed:	Not reported
Tank Capacity:	00001500
Tank Used for:	WASTE
Type of Fuel:	Not reported

ALCO CAD-NICKEL PLATING CORP (Continued) **U001560836**

Container Construction Thickness:	Not reported
Leak Detection:	Visual

Tank Num:	013
Container Num:	A12
Year Installed:	Not reported
Tank Capacity:	00000136
Tank Used for:	WASTE
Type of Fuel:	Not reported
Container Construction Thickness:	Not reported
Leak Detection:	Visual

Tank Num:	014
Container Num:	B2
Year Installed:	Not reported
Tank Capacity:	00001200
Tank Used for:	WASTE
Type of Fuel:	Not reported
Container Construction Thickness:	Not reported
Leak Detection:	Visual

Click here for Geo Tracker PDF:

EMI:

Name:	ALCO CAD-NICKEL PLATING CORP
Address:	1400 LONG BEACH AVE
City,State,Zip:	LOS ANGELES, CA 90021
Year:	1987
County Code:	19
Air Basin:	SC
Facility ID:	4346
Air District Name:	SC
SIC Code:	3471
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Name:	ALCO CAD-NICKEL PLATING CORP
Address:	1400 LONG BEACH AV
City,State,Zip:	LOS ANGELES, CA 90021
Year:	1993
County Code:	19
Air Basin:	SC
Facility ID:	4346
Air District Name:	SC
SIC Code:	3471
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0

ALCO CAD-NICKEL PLATING CORP (Continued) **U001560836**

Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Name:	ALCO CAD-NICKEL PLATING CORP
Address:	1400 LONG BEACH AV
City,State,Zip:	LOS ANGELES, CA 90021
Year:	1995
County Code:	19
Air Basin:	SC
Facility ID:	4346
Air District Name:	SC
SIC Code:	3471
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Name:	ALCO CAD-NICKEL PLATING CORP
Address:	1400 LONG BEACH AV
City,State,Zip:	LOS ANGELES, CA 90021
Year:	1997
County Code:	19
Air Basin:	SC
Facility ID:	4346
Air District Name:	SC
SIC Code:	3471
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	1
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Name:	ALCO CAD-NICKEL PLATING CORP
Address:	1400 LONG BEACH AV
City,State,Zip:	LOS ANGELES, CA 90021
Year:	1998
County Code:	19
Air Basin:	SC
Facility ID:	4346
Air District Name:	SC
SIC Code:	3471
Air District Name:	SOUTH COAST AQMD

ALCO CAD-NICKEL PLATING CORP (Continued) **U001560836**

Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	1
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Name:	ALCO CAD-NICKEL PLATING CORP
Address:	1400 LONG BEACH AV
City,State,Zip:	LOS ANGELES, CA 90021
Year:	1999
County Code:	19
Air Basin:	SC
Facility ID:	4346
Air District Name:	SC
SIC Code:	3471
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	1
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Name:	ALCO CAD-NICKEL PLATING CORP
Address:	1400 LONG BEACH AV
City,State,Zip:	LOS ANGELES, CA 90021
Year:	2000
County Code:	19
Air Basin:	SC
Facility ID:	4346
Air District Name:	SC
SIC Code:	3471
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	1
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Name:	ALCO CAD-NICKEL PLATING CORP
Address:	1400 LONG BEACH AV
City,State,Zip:	LOS ANGELES, CA 90021
Year:	2001
County Code:	19
Air Basin:	SC
Facility ID:	4346

ALCO CAD-NICKEL PLATING CORP (Continued) **U001560836**

Air District Name:	SC
SIC Code:	3471
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	1
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Name:	ALCO CAD-NICKEL PLATING CORP
Address:	1400 LONG BEACH AVE
City,State,Zip:	LOS ANGELES, CA 90021
Year:	2002
County Code:	19
Air Basin:	SC
Facility ID:	4346
Air District Name:	SC
SIC Code:	3471
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	1
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Name:	ALCO CAD-NICKEL PLATING CORP
Address:	1400 LONG BEACH AVE
City,State,Zip:	LOS ANGELES, CA 90021
Year:	2003
County Code:	19
Air Basin:	SC
Facility ID:	4346
Air District Name:	SC
SIC Code:	3471
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	1
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Name:	ALCO CAD-NICKEL PLATING CORP
Address:	1400 LONG BEACH AVE
City,State,Zip:	LOS ANGELES, CA 90021
Year:	2004

ALCO CAD-NICKEL PLATING CORP (Continued) **U001560836**

County Code:	19
Air Basin:	SC
Facility ID:	4346
Air District Name:	SC
SIC Code:	3471
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0.0984
Reactive Organic Gases Tons/Yr:	0.04
Carbon Monoxide Emissions Tons/Yr:	0.208
NOX - Oxides of Nitrogen Tons/Yr:	0.772
SOX - Oxides of Sulphur Tons/Yr:	0.00493
Particulate Matter Tons/Yr:	0.1727
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0.06

Name:	ALCO CAD-NICKEL PLATING CORP
Address:	1400 LONG BEACH AVE
City,State,Zip:	LOS ANGELES, CA 90021
Year:	2005
County Code:	19
Air Basin:	SC
Facility ID:	4346
Air District Name:	SC
SIC Code:	3471
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	.02646
Reactive Organic Gases Tons/Yr:	.011171412
Carbon Monoxide Emissions Tons/Yr:	.3838
NOX - Oxides of Nitrogen Tons/Yr:	.4814
SOX - Oxides of Sulphur Tons/Yr:	.002835
Particulate Matter Tons/Yr:	1.033885
Part. Matter 10 Micrometers and Smllr Tons/Yr:	.22549315

Name:	ALCO CAD-NICKEL PLATING CORP
Address:	1400 LONG BEACH AVE
City,State,Zip:	LOS ANGELES, CA 90021
Year:	2006
County Code:	19
Air Basin:	SC
Facility ID:	4346
Air District Name:	SC
SIC Code:	3471
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	.0450023685457129322
Reactive Organic Gases Tons/Yr:	.019
Carbon Monoxide Emissions Tons/Yr:	.283
NOX - Oxides of Nitrogen Tons/Yr:	.355
SOX - Oxides of Sulphur Tons/Yr:	.002
Particulate Matter Tons/Yr:	.352
Part. Matter 10 Micrometers and Smllr Tons/Yr:	.08865

Name:	ALCO CAD-NICKEL PLATING CORP

ALCO CAD-NICKEL PLATING CORP (Continued) **U001560836**

Address:	1400 LONG BEACH AVE
City,State,Zip:	LOS ANGELES, CA 90021
Year:	2007
County Code:	19
Air Basin:	SC
Facility ID:	4346
Air District Name:	SC
SIC Code:	3471
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	.0450023685457129322
Reactive Organic Gases Tons/Yr:	.019
Carbon Monoxide Emissions Tons/Yr:	.283
NOX - Oxides of Nitrogen Tons/Yr:	.355
SOX - Oxides of Sulphur Tons/Yr:	.002
Particulate Matter Tons/Yr:	.352
Part. Matter 10 Micrometers and Smllr Tons/Yr:	.08865

Name:	ALCO CAD-NICKEL PLATING CORP
Address:	1400 LONG BEACH AVE
City,State,Zip:	LOS ANGELES, CA 90021
Year:	2008
County Code:	19
Air Basin:	SC
Facility ID:	4346
Air District Name:	SC
SIC Code:	3471
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	.0274138623874940786
Reactive Organic Gases Tons/Yr:	.0115741327
Carbon Monoxide Emissions Tons/Yr:	.3078706635
NOX - Oxides of Nitrogen Tons/Yr:	.37
SOX - Oxides of Sulphur Tons/Yr:	.00228842766
Particulate Matter Tons/Yr:	4.5692980201765
Part. Matter 10 Micrometers and Smllr Tons/Yr:	3.180648417603535

Name:	ALCO CAD-NICKEL PLATING CORP
Address:	1400 LONG BEACH AV
City,State,Zip:	LOS ANGELES, CA 90021
Year:	2009
County Code:	19
Air Basin:	SC
Facility ID:	4346
Air District Name:	SC
SIC Code:	3471
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	2.6504026527711898E-2
Reactive Organic Gases Tons/Yr:	0.01119
Carbon Monoxide Emissions Tons/Yr:	0.22592999999999999
NOX - Oxides of Nitrogen Tons/Yr:	0.28999999999999998
SOX - Oxides of Sulphur Tons/Yr:	0.001722
Particulate Matter Tons/Yr:	0.43706840000000002

ALCO CAD-NICKEL PLATING CORP (Continued) **U001560836**

Part. Matter 10 Micrometers and Smllr Tons/Yr:0.28890819600000001

Name:	ALCO CAD-NICKEL PLATING CORP
Address:	1400 LONG BEACH AV
City,State,Zip:	LOS ANGELES, CA 90021
Year:	2010
County Code:	19
Air Basin:	SC
Facility ID:	4346
Air District Name:	SC
SIC Code:	3471
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	3.6072951207958302E-2
Reactive Organic Gases Tons/Yr:	0.01523
Carbon Monoxide Emissions Tons/Yr:	0.22112000000000001
NOX - Oxides of Nitrogen Tons/Yr:	0.27744000000000002
SOX - Oxides of Sulphur Tons/Yr:	1.6199999999999999E-3
Particulate Matter Tons/Yr:	0.45135999999999998
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0.29141230000000001

Name:	ALCO CAD-NICKEL PLATING CORP
Address:	1400 LONG BEACH AV
City,State,Zip:	LOS ANGELES, CA 90021
Year:	2011
County Code:	19
Air Basin:	SC
Facility ID:	4346
Air District Name:	SC
SIC Code:	3471
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0.035504500237
Reactive Organic Gases Tons/Yr:	0.01499
Carbon Monoxide Emissions Tons/Yr:	0.2177
NOX - Oxides of Nitrogen Tons/Yr:	0.27315
SOX - Oxides of Sulphur Tons/Yr:	0.0016
Particulate Matter Tons/Yr:	0.46028
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0.2928489

Name:	ALCO CAD-NICKEL PLATING CORP
Address:	1400 LONG BEACH AVE
City,State,Zip:	LOS ANGELES, CA 90021
Year:	2012
County Code:	19
Air Basin:	SC
Facility ID:	4346
Air District Name:	SC
SIC Code:	3471
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0.03737565135
Reactive Organic Gases Tons/Yr:	0.01578
Carbon Monoxide Emissions Tons/Yr:	0.22918

ALCO CAD-NICKEL PLATING CORP (Continued) **U001560836**

NOX - Oxides of Nitrogen Tons/Yr:	0.28755
SOX - Oxides of Sulphur Tons/Yr:	0.00168
Particulate Matter Tons/Yr:	1.02735
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0.4014559

Name:	ALCO CAD-NICKEL PLATING CORP
Address:	1400 LONG BEACH AVE
City,State,Zip:	LOS ANGELES, CA 90021
Year:	2013
County Code:	19
Air Basin:	SC
Facility ID:	4346
Air District Name:	SC
SIC Code:	3471
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0.043036475604
Reactive Organic Gases Tons/Yr:	0.01817
Carbon Monoxide Emissions Tons/Yr:	0.26378
NOX - Oxides of Nitrogen Tons/Yr:	0.33095
SOX - Oxides of Sulphur Tons/Yr:	0.00194
Particulate Matter Tons/Yr:	1.0214
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0.3953821

Name:	ALCO CAD-NICKEL PLATING C30P
Address:	1400 LONG BEACH AVE
City,State,Zip:	LOS ANGELES, CA 90021
Year:	2015
County Code:	19
Air Basin:	SC
Facility ID:	4346
Air District Name:	SC
SIC Code:	3471
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0.036528022727
Reactive Organic Gases Tons/Yr:	0.01607233
Carbon Monoxide Emissions Tons/Yr:	0.2332744
NOX - Oxides of Nitrogen Tons/Yr:	0.2926864
SOX - Oxides of Sulphur Tons/Yr:	0.001725596
Particulate Matter Tons/Yr:	0.048995515
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0.046280025

Name:	ALCO CAD-NICKEL PLATING CORP
Address:	1400 LONG BEACH AVE
City,State,Zip:	LOS ANGELES, CA 90021
Year:	2017
County Code:	19
Air Basin:	SC
Facility ID:	4346
Air District Name:	SC
SIC Code:	3399
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported

ALCO CAD-NICKEL PLATING CORP (Continued) **U001560836**

Total Organic Hydrocarbon Gases Tons/Yr:	0.025386363636
Reactive Organic Gases Tons/Yr:	0.01117
Carbon Monoxide Emissions Tons/Yr:	0.22583
NOX - Oxides of Nitrogen Tons/Yr:	0.28
SOX - Oxides of Sulphur Tons/Yr:	0.0016899
Particulate Matter Tons/Yr:	0.0447353
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0.04238677

NPDES:

Name:	ALCO CAD NICKEL PLATING CORPORATION
Address:	1400 LONG BEACH AVE
City,State,Zip:	LOS ANGELES, CA 90021
Facility Status:	Not reported
NPDES Number:	Not reported
Region:	Not reported
Agency Number:	Not reported
Regulatory Measure ID:	Not reported
Place ID:	Not reported
Order Number:	Not reported
WDID:	4 19I003553
Regulatory Measure Type:	Industrial
Program Type:	Not reported
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Discharge Address:	Not reported
Discharge Name:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
Status:	Active
Status Date:	04/03/1992
Operator Name:	ALCO CAD NICKEL PLATING CORP
Operator Address:	1400 LONG BEACH AVE
Operator City:	LOS ANGELES
Operator State:	California
Operator Zip:	90021

NPDES as of 03/2018:

NPDES Number:	CAS000001
Status:	Active
Agency Number:	0
Region:	4
Regulatory Measure ID:	189187
Order Number:	97-03-DWQ
Regulatory Measure Type:	Enrollee
Place ID:	Not reported
WDID:	4 19I003553
Program Type:	Industrial
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	04/03/1992
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	ALCO CAD NICKEL PLATING CORP
Discharge Address:	1400 LONG BEACH AVE
Discharge City:	LOS ANGELES

ALCO CAD-NICKEL PLATING CORP (Continued) **U001560836**

Discharge State:	California
Discharge Zip:	90021
Received Date:	Not reported
Processed Date:	Not reported
Status:	Not reported
Status Date:	Not reported
Place Size:	Not reported
Place Size Unit:	Not reported
Contact:	Not reported
Contact Title:	Not reported
Contact Phone:	Not reported
Contact Phone Ext:	Not reported
Contact Email:	Not reported
Operator Name:	Not reported
Operator Address:	Not reported
Operator City:	Not reported
Operator State:	Not reported
Operator Zip:	Not reported
Operator Contact:	Not reported
Operator Contact Title:	Not reported
Operator Contact Phone:	Not reported
Operator Contact Phone Ext:	Not reported
Operator Contact Email:	Not reported
Operator Type:	Not reported
Developer:	Not reported
Developer Address:	Not reported
Developer City:	Not reported
Developer State:	Not reported
Developer Zip:	Not reported
Developer Contact:	Not reported
Developer Contact Title:	Not reported
Constype Linear Utility Ind:	Not reported
Emergency Phone:	Not reported
Emergency Phone Ext:	Not reported
Constype Above Ground Ind:	Not reported
Constype Below Ground Ind:	Not reported
Constype Cable Line Ind:	Not reported
Constype Comm Line Ind:	Not reported
Constype Commertial Ind:	Not reported
Constype Electrical Line Ind:	Not reported
Constype Gas Line Ind:	Not reported
Constype Industrial Ind:	Not reported
Constype Other Description:	Not reported
Constype Other Ind:	Not reported
Constype Recons Ind:	Not reported
Constype Residential Ind:	Not reported
Constype Transport Ind:	Not reported
Constype Utility Description:	Not reported
Constype Utility Ind:	Not reported
Constype Water Sewer Ind:	Not reported
Dir Discharge Uswater Ind:	Not reported
Receiving Water Name:	Not reported
Certifier:	Not reported
Certifier Title:	Not reported
Certification Date:	Not reported
Primary Sic:	Not reported
Secondary Sic:	Not reported

ALCO CAD-NICKEL PLATING CORP (Continued) **U001560836**

Tertiary Sic:	Not reported
NPDES Number:	Not reported
Status:	Not reported
Agency Number:	Not reported
Region:	4
Regulatory Measure ID:	189187
Order Number:	Not reported
Regulatory Measure Type:	Industrial
Place ID:	Not reported
WDID:	4 19I003553
Program Type:	Not reported
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	Not reported
Discharge Address:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
Received Date:	05/09/2008
Processed Date:	04/03/1992
Status:	Active
Status Date:	04/03/1992
Place Size:	54136
Place Size Unit:	SqFt
Contact:	David Manzetti
Contact Title:	Not reported
Contact Phone:	213-749-7561
Contact Phone Ext:	Not reported
Contact Email:	DAVIDMPC@HOTMAIL.COM
Operator Name:	ALCO CAD NICKEL PLATING CORP
Operator Address:	1400 LONG BEACH AVE
Operator City:	LOS ANGELES
Operator State:	California
Operator Zip:	90021
Operator Contact:	David Manzetti
Operator Contact Title:	Not reported
Operator Contact Phone:	213-749-7561
Operator Contact Phone Ext:	Not reported
Operator Contact Email:	DAVIDMPC@HOTMAIL.COM
Operator Type:	Private Business
Developer:	Not reported
Developer Address:	Not reported
Developer City:	Not reported
Developer State:	California
Developer Zip:	Not reported
Developer Contact:	Not reported
Developer Contact Title:	Not reported
Constype Linear Utility Ind:	Not reported
Emergency Phone:	213-749-7561
Emergency Phone Ext:	Not reported
Constype Above Ground Ind:	Not reported
Constype Below Ground Ind:	Not reported
Constype Cable Line Ind:	Not reported
Constype Comm Line Ind:	Not reported

ALCO CAD-NICKEL PLATING CORP (Continued) **U001560836**

Constype Commertial Ind:	Not reported
Constype Electrical Line Ind:	Not reported
Constype Gas Line Ind:	Not reported
Constype Industrial Ind:	Not reported
Constype Other Description:	Not reported
Constype Other Ind:	Not reported
Constype Recons Ind:	Not reported
Constype Residential Ind:	Not reported
Constype Transport Ind:	Not reported
Constype Utility Description:	Not reported
Constype Utility Ind:	Not reported
Constype Water Sewer Ind:	Not reported
Dir Discharge Uswater Ind:	N
Receiving Water Name:	La River
Certifier:	DAVID MANZETTI
Certifier Title:	AGENT
Certification Date:	12-MAY-15
Primary Sic:	3471-Electroplating, Plating, Polishing, Anodizing, and Coloring
Secondary Sic:	Not reported
Tertiary Sic:	Not reported

Name:	ALCO CAD NICKEL PLATING CORPORATION
Address:	1400 LONG BEACH AVE
City,State,Zip:	LOS ANGELES, CA 90021
Facility Status:	Active
NPDES Number:	CAS000001
Region:	4
Agency Number:	0
Regulatory Measure ID:	189187
Place ID:	Not reported
Order Number:	97-03-DWQ
WDID:	4 19I003553
Regulatory Measure Type:	Enrollee
Program Type:	Industrial
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	04/03/1992
Termination Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Discharge Address:	1400 LONG BEACH AVE
Discharge Name:	ALCO CAD NICKEL PLATING CORP
Discharge City:	LOS ANGELES
Discharge State:	California
Discharge Zip:	90021
Status:	Not reported
Status Date:	Not reported
Operator Name:	Not reported
Operator Address:	Not reported
Operator City:	Not reported
Operator State:	Not reported
Operator Zip:	Not reported

NPDES as of 03/2018:

NPDES Number:	CAS000001
Status:	Active
Agency Number:	0
Region:	4
Regulatory Measure ID:	189187

ALCO CAD-NICKEL PLATING CORP (Continued) **U001560836**

Order Number:	97-03-DWQ
Regulatory Measure Type:	Enrollee
Place ID:	Not reported
WDID:	4 19I003553
Program Type:	Industrial
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	04/03/1992
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	ALCO CAD NICKEL PLATING CORP
Discharge Address:	1400 LONG BEACH AVE
Discharge City:	LOS ANGELES
Discharge State:	California
Discharge Zip:	90021
Received Date:	Not reported
Processed Date:	Not reported
Status:	Not reported
Status Date:	Not reported
Place Size:	Not reported
Place Size Unit:	Not reported
Contact:	Not reported
Contact Title:	Not reported
Contact Phone:	Not reported
Contact Phone Ext:	Not reported
Contact Email:	Not reported
Operator Name:	Not reported
Operator Address:	Not reported
Operator City:	Not reported
Operator State:	Not reported
Operator Zip:	Not reported
Operator Contact:	Not reported
Operator Contact Title:	Not reported
Operator Contact Phone:	Not reported
Operator Contact Phone Ext:	Not reported
Operator Contact Email:	Not reported
Operator Type:	Not reported
Developer:	Not reported
Developer Address:	Not reported
Developer City:	Not reported
Developer State:	Not reported
Developer Zip:	Not reported
Developer Contact:	Not reported
Developer Contact Title:	Not reported
Constype Linear Utility Ind:	Not reported
Emergency Phone:	Not reported
Emergency Phone Ext:	Not reported
Constype Above Ground Ind:	Not reported
Constype Below Ground Ind:	Not reported
Constype Cable Line Ind:	Not reported
Constype Comm Line Ind:	Not reported
Constype Commertial Ind:	Not reported
Constype Electrical Line Ind:	Not reported
Constype Gas Line Ind:	Not reported
Constype Industrial Ind:	Not reported
Constype Other Description:	Not reported
Constype Other Ind:	Not reported
Constype Recons Ind:	Not reported

ALCO CAD-NICKEL PLATING CORP (Continued) **U001560836**

Constype Residential Ind:	Not reported
Constype Transport Ind:	Not reported
Constype Utility Description:	Not reported
Constype Utility Ind:	Not reported
Constype Water Sewer Ind:	Not reported
Dir Discharge Uswater Ind:	Not reported
Receiving Water Name:	Not reported
Certifier:	Not reported
Certifier Title:	Not reported
Certification Date:	Not reported
Primary Sic:	Not reported
Secondary Sic:	Not reported
Tertiary Sic:	Not reported
NPDES Number:	Not reported
Status:	Not reported
Agency Number:	Not reported
Region:	4
Regulatory Measure ID:	189187
Order Number:	Not reported
Regulatory Measure Type:	Industrial
Place ID:	Not reported
WDID:	4 19I003553
Program Type:	Not reported
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	Not reported
Discharge Address:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
Received Date:	05/09/2008
Processed Date:	04/03/1992
Status:	Active
Status Date:	04/03/1992
Place Size:	54136
Place Size Unit:	SqFt
Contact:	David Manzetti
Contact Title:	Not reported
Contact Phone:	213-749-7561
Contact Phone Ext:	Not reported
Contact Email:	DAVIDMPC@HOTMAIL.COM
Operator Name:	ALCO CAD NICKEL PLATING CORP
Operator Address:	1400 LONG BEACH AVE
Operator City:	LOS ANGELES
Operator State:	California
Operator Zip:	90021
Operator Contact:	David Manzetti
Operator Contact Title:	Not reported
Operator Contact Phone:	213-749-7561
Operator Contact Phone Ext:	Not reported
Operator Contact Email:	DAVIDMPC@HOTMAIL.COM
Operator Type:	Private Business
Developer:	Not reported
Developer Address:	Not reported

ALCO CAD-NICKEL PLATING CORP (Continued) **U001560836**

Developer City:	Not reported
Developer State:	California
Developer Zip:	Not reported
Developer Contact:	Not reported
Developer Contact Title:	Not reported
Constype Linear Utility Ind:	Not reported
Emergency Phone:	213-749-7561
Emergency Phone Ext:	Not reported
Constype Above Ground Ind:	Not reported
Constype Below Ground Ind:	Not reported
Constype Cable Line Ind:	Not reported
Constype Comm Line Ind:	Not reported
Constype Commertial Ind:	Not reported
Constype Electrical Line Ind:	Not reported
Constype Gas Line Ind:	Not reported
Constype Industrial Ind:	Not reported
Constype Other Description:	Not reported
Constype Other Ind:	Not reported
Constype Recons Ind:	Not reported
Constype Residential Ind:	Not reported
Constype Transport Ind:	Not reported
Constype Utility Description:	Not reported
Constype Utility Ind:	Not reported
Constype Water Sewer Ind:	Not reported
Dir Discharge Uswater Ind:	N
Receiving Water Name:	La River
Certifier:	DAVID MANZETTI
Certifier Title:	AGENT
Certification Date:	12-MAY-15
Primary Sic:	3471-Electroplating, Plating, Polishing, Anodizing, and Coloring
Secondary Sic:	Not reported
Tertiary Sic:	Not reported

CIWQS:

Name:	ALCO CAD NICKEL PLATING CORPORATION
Address:	1400 LONG BEACH AVE
City,State,Zip:	LOS ANGELES, CA 90021
Agency:	ALCO CAD NICKEL PLATING CORP
Agency Address:	1400 LONG BEACH AVE, Los Angeles, CA 90021
Place/Project Type:	Industrial - Electroplating, Plating, Polishing, Anodizing, and Coloring
SIC/NAICS:	3471
Region:	4
Program:	INDSTW
Regulatory Measure Status:	Active
Regulatory Measure Type:	Storm water industrial
Order Number:	2014-0057-DWQ
WDID:	4 19I003553
NPDES Number:	CAS000001
Adoption Date:	Not reported
Effective Date:	04/03/1992
Termination Date:	Not reported
Expiration/Review Date:	Not reported
Design Flow:	Not reported
Major/Minor:	Not reported
Complexity:	Not reported

ALCO CAD-NICKEL PLATING CORP (Continued) **U001560836**

TTWQ: Not reported
Enforcement Actions within 5 years: 0
Violations within 5 years: 0
Latitude: 34.02549
Longitude: -118.2414

CERS:
Name: ALCO CAD-NICKEL PLATING CORP
Address: 1400 LONG BEACH AVE
City,State,Zip: LOS ANGELES, CA 90021
Site ID: 355148
CERS ID: 207297
CERS Description: Industrial Facility Storm Water

Violations:
Site ID: 355148
Site Name: ALCO CAD-NICKEL PLATING CORP
Violation Date: 07-01-2011
Citation: 2014-0057-DWQ - Industrial General Permit
Violation Description: SW - Late Report
Violation Notes: Outstanding 2010-2011 AR Update: The Proof of 2010-11 AR submission was received via email on 01/29/2013.
Violation Division: Water Boards
Violation Program: INDSTW
Violation Source: SMARTS,

Site ID: 355148
Site Name: ALCO CAD-NICKEL PLATING CORP
Violation Date: 07-01-2002
Citation: 2014-0057-DWQ - Industrial General Permit
Violation Description: SW - Deficient Report
Violation Notes: Overdue 2001-02 annual report.
Violation Division: Water Boards
Violation Program: INDSTW
Violation Source: SMARTS,

Evaluation:
Eval General Type: Compliance Evaluation Inspection
Eval Date: 07-23-2014
Violations Found: No
Eval Type: Industrial Storm Water Compliance Evaluation
Eval Notes: In compliance
Eval Division: Water Boards
Eval Program: INDSTW
Eval Source: SMARTS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 10-08-2008
Violations Found: No
Eval Type: Industrial Storm Water Compliance Evaluation
Eval Notes: Exposed rusty metals and broken cement bags
Eval Division: Water Boards
Eval Program: INDSTW
Eval Source: SMARTS,

Enforcement Action:

ALCO CAD-NICKEL PLATING CORP (Continued) **U001560836**

Site ID:	355148
Site Name:	ALCO CAD-NICKEL PLATING CORP
Site Address:	1400 LONG BEACH AVE
Site City:	LOS ANGELES
Site Zip:	90021
Enf Action Date:	07-19-2002
Enf Action Type:	Staff Enforcement Letter
Enf Action Description:	Staff Enforcement Letter
Enf Action Notes:	Notice of Noncompliance sent 7/19/02 for overdue 2001-02 annual report.
Enf Action Division:	Water Boards
Enf Action Program:	INDSTW
Enf Action Source:	SMARTS,

Site ID:	355148
Site Name:	ALCO CAD-NICKEL PLATING CORP
Site Address:	1400 LONG BEACH AVE
Site City:	LOS ANGELES
Site Zip:	90021
Enf Action Date:	08-10-2012
Enf Action Type:	Industrial Storm Water Enforcement
Enf Action Description:	Industrial Storm Water Enforcement
Enf Action Notes:	Ordered to submit 2010-2011 Annual Report.
Enf Action Division:	Water Boards
Enf Action Program:	INDSTW
Enf Action Source:	SMARTS,

Site ID:	355148
Site Name:	ALCO CAD-NICKEL PLATING CORP
Site Address:	1400 LONG BEACH AVE
Site City:	LOS ANGELES
Site Zip:	90021
Enf Action Date:	08-19-2002
Enf Action Type:	Notice of Violation
Enf Action Description:	Notice of Violation
Enf Action Notes:	NOV sent 8/19/02 for overdue 2001-02 annual report.
Enf Action Division:	Water Boards
Enf Action Program:	INDSTW
Enf Action Source:	SMARTS,

Affiliation:

Affiliation Type Desc:	Company Official
Entity Name:	DAVID MANZETTI
Entity Title:	agent
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	90021
Affiliation Phone:	.

Affiliation Type Desc:	Owner/Operator
Entity Name:	ALCO CAD NICKEL PLATING CORP
Entity Title:	Operator
Affiliation Address:	1400 LONG BEACH AVE
Affiliation City:	LOS ANGELES
Affiliation State:	CA

ALCO CAD-NICKEL PLATING CORP (Continued) **U001560836**

Affiliation Country: Not reported
Affiliation Zip: 90021
Affiliation Phone: .

Affiliation Type Desc: Public Contact
Entity Name: Mr. David Manzetti
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: 90021
Affiliation Phone: 3106700455,

Affiliation Type Desc: Technical Contact
Entity Name: Mr. David Manzetti
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: 90021
Affiliation Phone: 3106700455,

Name: ALCO CAD-NICKEL PLATING CORP
Address: 1400 LONG BEACH AVE
City,State,Zip: LOS ANGELES, CA 90021
Site ID: 355148
CERS ID: 90021LCCDN1400L
CERS Description: Toxic Release Inventory

Violations:
Site ID: 355148
Site Name: ALCO CAD-NICKEL PLATING CORP
Violation Date: 07-01-2011
Citation: 2014-0057-DWQ - Industrial General Permit
Violation Description: SW - Late Report
Violation Notes: Outstanding 2010-2011 AR Update: The Proof of 2010-11 AR submission was received via email on 01/29/2013.
Violation Division: Water Boards
Violation Program: INDSTW
Violation Source: SMARTS,

Site ID: 355148
Site Name: ALCO CAD-NICKEL PLATING CORP
Violation Date: 07-01-2002
Citation: 2014-0057-DWQ - Industrial General Permit
Violation Description: SW - Deficient Report
Violation Notes: Overdue 2001-02 annual report.
Violation Division: Water Boards
Violation Program: INDSTW
Violation Source: SMARTS,

Evaluation:
Eval General Type: Compliance Evaluation Inspection
Eval Date: 07-23-2014

ALCO CAD-NICKEL PLATING CORP (Continued) **U001560836**

Violations Found: No
Eval Type: Industrial Storm Water Compliance Evaluation
Eval Notes: In compliance
Eval Division: Water Boards
Eval Program: INDSTW
Eval Source: SMARTS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 10-08-2008
Violations Found: No
Eval Type: Industrial Storm Water Compliance Evaluation
Eval Notes: Exposed rusty metals and broken cement bags
Eval Division: Water Boards
Eval Program: INDSTW
Eval Source: SMARTS,

Enforcement Action:
Site ID: 355148
Site Name: ALCO CAD-NICKEL PLATING CORP
Site Address: 1400 LONG BEACH AVE
Site City: LOS ANGELES
Site Zip: 90021
Enf Action Date: 07-19-2002
Enf Action Type: Staff Enforcement Letter
Enf Action Description: Staff Enforcement Letter
Enf Action Notes: Notice of Noncompliance sent 7/19/02 for overdue 2001-02 annual report.
Enf Action Division: Water Boards
Enf Action Program: INDSTW
Enf Action Source: SMARTS,

Site ID: 355148
Site Name: ALCO CAD-NICKEL PLATING CORP
Site Address: 1400 LONG BEACH AVE
Site City: LOS ANGELES
Site Zip: 90021
Enf Action Date: 08-10-2012
Enf Action Type: Industrial Storm Water Enforcement
Enf Action Description: Industrial Storm Water Enforcement
Enf Action Notes: Ordered to submit 2010-2011 Annual Report.
Enf Action Division: Water Boards
Enf Action Program: INDSTW
Enf Action Source: SMARTS,

Site ID: 355148
Site Name: ALCO CAD-NICKEL PLATING CORP
Site Address: 1400 LONG BEACH AVE
Site City: LOS ANGELES
Site Zip: 90021
Enf Action Date: 08-19-2002
Enf Action Type: Notice of Violation
Enf Action Description: Notice of Violation
Enf Action Notes: NOV sent 8/19/02 for overdue 2001-02 annual report.
Enf Action Division: Water Boards
Enf Action Program: INDSTW
Enf Action Source: SMARTS,

ALCO CAD-NICKEL PLATING CORP (Continued) **U001560836**

Affiliation:

Affiliation Type Desc:	Company Official
Entity Name:	DAVID MANZETTI
Entity Title:	agent
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	90021
Affiliation Phone:	.

Affiliation Type Desc:	Owner/Operator
Entity Name:	ALCO CAD NICKEL PLATING CORP
Entity Title:	Operator
Affiliation Address:	1400 LONG BEACH AVE
Affiliation City:	LOS ANGELES
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	90021
Affiliation Phone:	.

Affiliation Type Desc:	Public Contact
Entity Name:	Mr. David Manzetti
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	90021
Affiliation Phone:	3106700455,

Affiliation Type Desc:	Technical Contact
Entity Name:	Mr. David Manzetti
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	90021
Affiliation Phone:	3106700455,

Name:	ALCO CAD-NICKEL PLAT
Address:	1400 LONG BEACH AVENUE
City,State,Zip:	LOS ANGELES, CA 90021
Site ID:	605939
CERS ID:	19340751
CERS Description:	Corrective Action

Affiliation:

Affiliation Type Desc:	Supervisor
Entity Name:	Philip Chandler
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported

ALCO CAD-NICKEL PLATING CORP (Continued) **U001560836**

Affiliation Zip: Not reported
Affiliation Phone: .

NON-CASE INFO:
Name: ALCO CAD-NICKEL PLATING CORP
Address: 1400 LONG BEACH AVENUE
City,State,Zip: LOS ANGELES, CA 90021
Global ID: T10000013433
Case Type: Non-Case Information
Status: Pending Review
Status Date: 09/23/2019
Lead Agency: LOS ANGELES RWQCB (REGION 4)
Case Worker: TA
Local Agency: Not reported
RB Case Number: Not reported
Loc Case Number: Not reported
File Location: Not reported
Potential Contaminants of Concern: Not reported
Potential Media Affected: Not reported
Site History: Not reported
Begin Date: 2019-09-23 00:00:00
How Discovered: Not reported
How Discovered Description: Not reported
Stop Method: Not reported
Stop Description: Not reported
Latitude: 34.02572
Longitude: -118.2411
Geotracker: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T10000013433

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259 **FORMER MID-STATE ELECTRIC** **HIST CORTESE** **S105024733**
SSW **1546 14TH** **N/A**
1/4-1/2 **LOS ANGELES, CA 90021**
0.430 mi.
2272 ft.

Relative: **Lower**
Actual: **236 ft.**

HIST CORTESE:
edr_fname: FORMER MID-STATE ELECTRIC
edr_fadd1: 1546 14TH
City,State,Zip: LOS ANGELES, CA 90021
Region: CORTESE
Facility County Code: 19
Reg By: LTNKA
Reg Id: 2536

AU260 **S & S DISPOSAL SERVICES** **SWF/LF** **S111076075**
South **1027 S. ALAMEDA ST.** **N/A**
1/4-1/2 **LOS ANGELES, CA 90002**
0.431 mi.
2274 ft. **Site 1 of 2 in cluster AU**

Relative: **Lower**
Actual: **235 ft.**

LOS ANGELES CO. LF:
Name: S & S DISPOSAL SERVICES
Address: 1027 S. ALAMEDA ST.
City,State,Zip: LOS ANGELES, CA 90002
Site ID: 462

S & S DISPOSAL SERVICES (Continued) **S111076075**

Alt. Site Name:	Not reported
Alt. Address:	Not reported
Site Contact:	Not reported
Site Contact Phone:	(562) 863-2933
Site Email:	Not reported
Site Website:	Not reported
Site Type:	Waste Hauler
Site SWIS Number:	19-AS-0545
Beginning Operation Date:	Not reported
Ending Operation Date:	Not reported
Local Enforcement Agency:	Not reported
Maximun Depth Fill(Ft):	Not reported
Permitted Capacity:	Not reported
Present Use:	Not reported
Remaining Capacity(Million):	Not reported
Status:	Active
Waste Accepted:	Not reported
Hours of Operation:	Not reported
Disposal Area (Acre):	Not reported

Detail As Of 01/2014:

Operator Name:	S & S Disposal Services
Operator Address:	14445 Domart AVE.
Operator City/State/Zip:	Norwalk, CA 90650
Operator Contact:	Sergio Fregoso
Operator Telephone:	(562) 863-2933
Operator Email:	maria.tostado@verizon.net
Owner Name:	Unknown
Owner Address:	Not reported
Owner City/State/Zip:	Not reported
Owner Contact:	Not reported
Owner Telephone:	Not reported
Owner Email:	Not reported
District:	1
Site Mailing Address:	Not reported

261
WNW
1/4-1/2
0.431 mi.
2278 ft.

CENTRAL REGION 9TH STREET K-8 SPAN SCHOOL
8TH ST./TOWNE AVE./9TH ST./STANFORD AVE.
LOS ANGELES, CA 90021

ENVIROSTOR SCH **S109821375 N/A**

Relative:
Lower

Actual:
245 ft.

ENVIROSTOR:

Name:	CENTRAL REGION 9TH STREET K-8 SPAN SCHOOL
Address:	8TH ST./TOWNE AVE./9TH ST./STANFORD AVE.
City,State,Zip:	LOS ANGELES, CA 90021
Facility ID:	60001149
Status:	Certified
Status Date:	06/12/2012
Site Code:	304626
Site Type:	School Cleanup
Site Type Detailed:	School
Acres:	3.76
NPL:	NO
Regulatory Agencies:	SMBRP
Lead Agency:	SMBRP
Program Manager:	Angela Garcia
Supervisor:	Shahir Haddad

CENTRAL REGION 9TH STREET K-8 SPAN SCHOOL (Continued) **S109821375**

Division Branch: Southern California Schools & Brownfields Outreach
Assembly: 53
Senate: 30
Special Program: Voluntary Agreement - Standard Voluntary Agreement
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: School District
Latitude: 34.0361
Longitude: -118.247
APN: NONE SPECIFIED
Past Use: AGRICULTURAL - ROW CROPS, FUEL - VEHICLE STORAGE/ REFUELING, MANUFACTURING - CERAMICS, OFFICE BUILDING, RESIDENTIAL AREA, SCHOOL - ELEMENTARY, RESIDENTIAL AREA, RETAIL - SERVICE STATION, SCHOOL - MIDDLE
Potential COC: Arsenic Benzene DDD DDE DDT Lead Methane Polychlorinated biphenyls (PCBs Polynuclear aromatic hydrocarbons (PAHs Tetrachloroethylene (PCE Trichloroethylene (TCE Benzene Polychlorinated biphenyls (PCBs Polynuclear aromatic hydrocarbons (PAHs Tetrachloroethylene (PCE Trichloroethylene (TCE
Confirmed COC: 30001-NO Benzene Lead 30015-NO 30006-NO 30007-NO 30008-NO Polynuclear aromatic hydrocarbons (PAHs Tetrachloroethylene (PCE Polychlorinated biphenyls (PCBs Trichloroethylene (TCE Benzene Polynuclear aromatic hydrocarbons (PAHs Tetrachloroethylene (PCE Polychlorinated biphenyls (PCBs Trichloroethylene (TCE
Potential Description: IA, SOIL, SV, SOIL, SV
Alias Name: 304626
Alias Type: Project Code (Site Code)
Alias Name: 60001149
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Report
Completed Date: 06/28/2010
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Public Notice
Completed Date: 11/04/2009
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Public Notice
Completed Date: 11/04/2009
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Supplemental Site Investigation Tech Memo
Completed Date: 07/16/2010
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Workplan

CENTRAL REGION 9TH STREET K-8 SPAN SCHOOL (Continued) **S109821375**

Completed Date: 03/08/2011
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Supplemental Site Investigation Report
Completed Date: 11/08/2010
Comments: SSI Adequacy letter completed. Comments to be addressed in RAW.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Public Notice
Completed Date: 02/09/2011
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Public Notice
Completed Date: 02/04/2011
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Completion Report
Completed Date: 07/12/2011
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Supplemental Site Investigation Report
Completed Date: 01/25/2011
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Community Profile
Completed Date: 03/08/2011
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 09/17/2009
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 09/17/2009
Comments: Not reported

Completed Area Name: Area B
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Completion Report
Completed Date: 11/07/2011
Comments: DTSC approved Area B Removal action Completion Report with a no further action determination

CENTRAL REGION 9TH STREET K-8 SPAN SCHOOL (Continued) **S109821375**

Completed Area Name: Area B
Completed Sub Area Name: Not reported
Completed Document Type: Supplemental Site Investigation Report
Completed Date: 05/25/2012
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: 4.15 Request
Completed Date: 03/14/2011
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fact Sheets
Completed Date: 02/09/2011
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fact Sheets
Completed Date: 02/04/2011
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Supplemental Site Investigation Tech Memo
Completed Date: 12/07/2010
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Cost Recovery Closeout Memo
Completed Date: 06/12/2012
Comments: Not reported

Completed Area Name: Area B
Completed Sub Area Name: Not reported
Completed Document Type: Certification
Completed Date: 06/11/2012
Comments: Not reported

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

SCH:

Name: CENTRAL REGION 9TH STREET K-8 SPAN SCHOOL
Address: 8TH ST./TOWNE AVE./9TH ST./STANFORD AVE.
City,State,Zip: LOS ANGELES, CA 90021

CENTRAL REGION 9TH STREET K-8 SPAN SCHOOL (Continued) **S109821375**

Facility ID:	60001149
Site Type:	School Cleanup
Site Type Detail:	School
Site Mgmt. Req.:	NONE SPECIFIED
Acres:	3.76
National Priorities List:	NO
Cleanup Oversight Agencies:	SMBRP
Lead Agency:	SMBRP
Lead Agency Description:	DTSC - Site Cleanup Program
Project Manager:	Angela Garcia
Supervisor:	Shahir Haddad
Division Branch:	Southern California Schools & Brownfields Outreach
Site Code:	304626
Assembly:	53
Senate:	30
Special Program Status:	Voluntary Agreement - Standard Voluntary Agreement
Status:	Certified
Status Date:	06/12/2012
Restricted Use:	NO
Funding:	School District
Latitude:	34.0361
Longitude:	-118.247
APN:	NONE SPECIFIED
Past Use:	AGRICULTURAL - ROW CROPS, FUEL - VEHICLE STORAGE/ REFUELING, MANUFACTURING - CERAMICS, OFFICE BUILDING, RESIDENTIAL AREA, SCHOOL - ELEMENTARY, RESIDENTIAL AREA, RETAIL - SERVICE STATION, SCHOOL - MIDDLE
Potential COC:	Arsenic, Benzene, DDD, DDE, DDT, Lead, Methane, Polychlorinated biphenyls (PCBs, Polynuclear aromatic hydrocarbons (PAHs, Tetrachloroethylene (PCE, Trichloroethylene (TCE, Benzene, Polychlorinated biphenyls (PCBs, Polynuclear aromatic hydrocarbons (PAHs, Tetrachloroethylene (PCE, Trichloroethylene (TCE
Confirmed COC:	30001-NO, Benzene, Lead, 30015-NO, 30006-NO, 30007-NO, 30008-NO, Polynuclear aromatic hydrocarbons (PAHs, Tetrachloroethylene (PCE, Polychlorinated biphenyls (PCBs, Trichloroethylene (TCE, , Benzene, Benzene, Polynuclear aromatic hydrocarbons (PAHs, Tetrachloroethylene (PCE, Polychlorinated biphenyls (PCBs, Trichloroethylene (TCE
Potential Description:	IA, SOIL, SV, SOIL, SV
Alias Name:	304626
Alias Type:	Project Code (Site Code)
Alias Name:	60001149
Alias Type:	Envirostor ID Number

Completed Info:

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Preliminary Endangerment Assessment Report
Completed Date:	06/28/2010
Comments:	Not reported
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Public Notice
Completed Date:	11/04/2009
Comments:	Not reported
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported

CENTRAL REGION 9TH STREET K-8 SPAN SCHOOL (Continued) **S109821375**

Completed Document Type: Public Notice
Completed Date: 11/04/2009
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Supplemental Site Investigation Tech Memo
Completed Date: 07/16/2010
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Workplan
Completed Date: 03/08/2011
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Supplemental Site Investigation Report
Completed Date: 11/08/2010
Comments: SSI Adequacy letter completed. Comments to be addressed in RAW.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Public Notice
Completed Date: 02/09/2011
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Public Notice
Completed Date: 02/04/2011
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Completion Report
Completed Date: 07/12/2011
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Supplemental Site Investigation Report
Completed Date: 01/25/2011
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Community Profile
Completed Date: 03/08/2011
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 09/17/2009
Comments: Not reported

CENTRAL REGION 9TH STREET K-8 SPAN SCHOOL (Continued) **S109821375**

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 09/17/2009
Comments: Not reported

Completed Area Name: Area B
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Completion Report
Completed Date: 11/07/2011
Comments: DTSC approved Area B Removal action Completion Report with a no further action determination

Completed Area Name: Area B
Completed Sub Area Name: Not reported
Completed Document Type: Supplemental Site Investigation Report
Completed Date: 05/25/2012
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: 4.15 Request
Completed Date: 03/14/2011
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fact Sheets
Completed Date: 02/09/2011
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fact Sheets
Completed Date: 02/04/2011
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Supplemental Site Investigation Tech Memo
Completed Date: 12/07/2010
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Cost Recovery Closeout Memo
Completed Date: 06/12/2012
Comments: Not reported

Completed Area Name: Area B
Completed Sub Area Name: Not reported
Completed Document Type: Certification
Completed Date: 06/11/2012
Comments: Not reported

Future Area Name: Not reported
Future Sub Area Name: Not reported

CENTRAL REGION 9TH STREET K-8 SPAN SCHOOL (Continued) **S109821375**

Future Document Type:	Not reported
Future Due Date:	Not reported
Schedule Area Name:	Not reported
Schedule Sub Area Name:	Not reported
Schedule Document Type:	Not reported
Schedule Due Date:	Not reported
Schedule Revised Date:	Not reported

AU262 **GREEN LA RECYCLING** **SWRCY** **S123185306**
South **1738 E 14TH ST** **N/A**
1/4-1/2 **LOS ANGELES, CA 90021**
0.431 mi.
2278 ft. **Site 2 of 2 in cluster AU**

Relative: **Lower**
Actual: **236 ft.**

SWRCY:

Name:	GREEN LA RECYCLING
Address:	1738 E 14TH ST
City,State,Zip:	LOS ANGELES, CA 90021
Reg Id:	Not reported
Cert Id:	RC276467.001
Mailing Address:	7749 Via Capri
Mailing City:	Burbank
Mailing State:	CA
Mailing Zip Code:	91504
Website:	Not reported
Email:	Not reported
Phone Number:	(818) 726-9331
Rural:	N
Operation Begin Date:	11/01/2018
Aluminium:	Not reported
Glass:	Not reported
Plastic:	Not reported
Bimetal:	Not reported
Hours of Operation:	Mon - Sun 7:00 am - 7:00 pm, Closed 12:00 pm - 12:30 pm
Organization ID:	Not reported
Organization Name:	Green LA Recycling

AV263 **MARTIN METALS INC.** **ENVIROSTOR** **S106843382**
SSE **1321 WILSON ST.** **LA Co. Site Mitigation** **N/A**
1/4-1/2 **LOS ANGELES, CA 90021** **CIWQS**
0.470 mi.
2480 ft. **Site 1 of 3 in cluster AV**

Relative: **Lower**
Actual: **235 ft.**

ENVIROSTOR:

Name:	MARTIN METALS INC.
Address:	1321 WILSON ST.
City,State,Zip:	LOS ANGELES, CA 90021
Facility ID:	19330385
Status:	Refer: 1248 Local Agency
Status Date:	07/15/2004
Site Code:	Not reported
Site Type:	Evaluation
Site Type Detailed:	Evaluation
Acres:	Not reported
NPL:	NO
Regulatory Agencies:	NONE SPECIFIED

MARTIN METALS INC. (Continued) **S106843382**

Lead Agency: NONE SPECIFIED
Program Manager: Not reported
Supervisor: Referred - Not Assigned
Division Branch: Cleanup Cypress
Assembly: 53
Senate: 24
Special Program: Not reported
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: Not Applicable
Latitude: 34.02577
Longitude: -118.2351
APN: NONE SPECIFIED
Past Use: NONE SPECIFIED
Potential COC: NONE SPECIFIED
Confirmed COC: NONE SPECIFIED
Potential Description: NONE SPECIFIED
Alias Name: 19330385
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: Not reported
Completed Sub Area Name: Not reported
Completed Document Type: Not reported
Completed Date: Not reported
Comments: Not reported

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

LA Co. Site Mitigation:
Name: MARTIN METALS INC
Address: 1321 WILSON ST
City,State,Zip: LOS ANGELES, CA 90021
Facility ID: FA0017192
Status: Not reported
Site ID: SD0000111
Jurisdiction: County
Case ID: RO0000115
Abated: Yes
Assigned To: Don Thompson
Entered Date: 07/14/2004
Abated Date: 09/08/2004

CIWQS:
Name: MARTIN METALS INC
Address: 1321 WILSON ST
City,State,Zip: LOS ANGELES, CA 90021
Agency: Martin Metals Inc
Agency Address: 1321 Wilson St, Los Angeles, CA 90021

MARTIN METALS INC. (Continued) **S106843382**

Place/Project Type:	Industrial - Secondary Smelting and Refining of Nonferrous Metals
SIC/NAICS:	3341
Region:	4
Program:	INDSTW
Regulatory Measure Status:	Terminated
Regulatory Measure Type:	Storm water industrial
Order Number:	2014-0057-DWQ
WDID:	4 19I000284
NPDES Number:	CAS000001
Adoption Date:	Not reported
Effective Date:	03/06/1992
Termination Date:	03/10/2005
Expiration/Review Date:	Not reported
Design Flow:	Not reported
Major/Minor:	Not reported
Complexity:	Not reported
TTWQ:	Not reported
Enforcement Actions within 5 years:	0
Violations within 5 years:	0
Latitude:	34.02572
Longitude:	-118.23487

AV264 **WILSON STREET CORPORATION** **ENVIROSTOR** **S110494469**
SSE **1321 S. WILSON STREET** **DEED** **N/A**
1/4-1/2 **LOS ANGELES, CA 90021** **HAZMAT**
0.470 mi.
2480 ft. **Site 2 of 3 in cluster AV**

Relative: **Lower**

Actual: **235 ft.**

ENVIROSTOR:

Name:	WILSON STREET CORPORATION
Address:	1321 S. WILSON STREET
City,State,Zip:	LOS ANGELES, CA 90021
Facility ID:	71002216
Status:	Certified O&M - Land Use Restrictions Only
Status Date:	08/27/2008
Site Code:	301224
Site Type:	Tiered Permit
Site Type Detailed:	Tiered Permit
Acres:	0.25
NPL:	NO
Regulatory Agencies:	TPCAB
Lead Agency:	TPCAB
Program Manager:	Johnson Abraham
Supervisor:	Shahir Haddad
Division Branch:	Southern California Schools & Brownfields Outreach
Assembly:	53
Senate:	24
Special Program:	Not reported
Restricted Use:	YES
Site Mgmt Req:	NONE SPECIFIED
Funding:	Not reported
Latitude:	34.02577
Longitude:	-118.2351
APN:	NONE SPECIFIED
Past Use:	METAL RECLAMATION
Potential COC:	Copper and compounds Nickel Zinc
Confirmed COC:	Copper and compounds Nickel Zinc
Potential Description:	SOIL

WILSON STREET CORPORATION (Continued) **S110494469**

Alias Name: Martin Metals
Alias Type: Alternate Name
Alias Name: CAD008377129
Alias Type: EPA Identification Number
Alias Name: 110002633623
Alias Type: EPA (FRS #)
Alias Name: 301224
Alias Type: Project Code (Site Code)
Alias Name: 71002216
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Land Use Restriction Monitoring Report
Completed Date: 02/06/2015
Comments: DTSC approved the Inspection Report.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Land Use Restriction Monitoring Report
Completed Date: 03/21/2016
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Land Use Restriction Monitoring Report
Completed Date: 03/13/2017
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Land Use Restriction Monitoring Report
Completed Date: 06/26/2019
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Project Management
Completed Date: 06/30/2021
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Land Use Restriction - Site Inspection/Visit
Completed Date: 06/26/2019
Comments: DTSC approved the Report.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Land Use Restriction Monitoring Report
Completed Date: 01/30/2014
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Land Use Restriction Monitoring Report
Completed Date: 06/03/2013

WILSON STREET CORPORATION (Continued) **S110494469**

Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Land Use Restriction Monitoring Report
Completed Date: 04/20/2020
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Land Use Restriction Monitoring Report
Completed Date: 01/11/2022
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Land Use Restriction Monitoring Report
Completed Date: 02/24/2021
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Land Use Restriction
Completed Date: 08/27/2008
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Phase I Verification
Completed Date: 12/08/2003
Comments: Inspection report sent on 12/8/2003

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Certification
Completed Date: 01/19/2011
Comments: Remedial Action Certification completed.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Land Use Restriction - Site Inspection/Visit
Completed Date: 03/22/2013
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 11/30/2012
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 12/05/2012
Comments: Mailed out the letter.

Completed Area Name: PROJECT WIDE

WILSON STREET CORPORATION (Continued) **S110494469**

Completed Sub Area Name: Not reported
Completed Document Type: Acknowledgement of Satisfaction
Completed Date: 01/09/2009
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Consent Agreement
Completed Date: 02/06/2006
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Corrective Action Completion Determination
Completed Date: 11/06/2007
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Phase I Verification
Completed Date: 12/21/1997
Comments: Inspection report sent on 12/21/1997

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

DEED:
Name: WILSON STREET CORPORATION
Address: 1321 S. WILSON STREET
City,State,Zip: LOS ANGELES, CA 90021
Envirostor ID: 71002216
Area: PROJECT WIDE
Sub Area: Not reported
Site Type: TIERED PERMIT
Status: CERTIFIED O&M - LAND USE RESTRICTIONS ONLY
Agency: Not reported
Covenant Uploaded: Not reported
Deed Date(s): Not reported
File Name: Envirostor Land Use Restrictions

LOS ANGELES HM:
Name: MARTIN METALS INC
Address: 1321 S WILSON ST
City,State,Zip: LOS ANGELES, CA 90021
Facility ID: FA0003726
Last Run Date: 11/01/2022
Status: INACTIVE

265
NE
1/4-1/2
0.472 mi.
2491 ft.

AT MATEO
555 MATEO
LOS ANGELES, CA 90013

ENVIROSTOR **S118098157**
VCP **N/A**
NPDES
CIWQS
CERS

Relative:
Higher

Actual:
253 ft.

ENVIROSTOR:

Name:	AT MATEO
Address:	555 MATEO STREET
City,State,Zip:	LOS ANGELES, CA 90013
Facility ID:	60002188
Status:	Certified
Status Date:	07/08/2016
Site Code:	301708
Site Type:	Voluntary Cleanup
Site Type Detailed:	Voluntary Agreement
Acres:	3.55
NPL:	NO
Regulatory Agencies:	SMBRP
Lead Agency:	SMBRP
Program Manager:	Not reported
Supervisor:	Javier Hinojosa
Division Branch:	Cleanup Chatsworth
Assembly:	, 53
Senate:	, 24
Special Program:	Voluntary Agreement - CLRRA
Restricted Use:	NO
Site Mgmt Req:	NONE SPECIFIED
Funding:	Responsible Party
Latitude:	34.03981
Longitude:	-118.2328
APN:	5164-002-012
Past Use:	FOUNDRY, FUEL - VEHICLE STORAGE/ REFUELING, MACHINE SHOP
Potential COC:	Lead TPH-diesel TPH-gas
Confirmed COC:	Lead TPH-diesel TPH-gas
Potential Description:	SOIL, SV
Alias Name:	5164-002-012
Alias Type:	APN
Alias Name:	301708
Alias Type:	Project Code (Site Code)
Alias Name:	60002188
Alias Type:	Envirostor ID Number

Completed Info:

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Public Notice
Completed Date:	11/10/2015
Comments:	Public Comment Period from 10/13/2015 to 12/18/2015
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Fact Sheets
Completed Date:	10/13/2015
Comments:	done
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Preliminary Endangerment Assessment Report
Completed Date:	06/30/2015

AT MATEO (Continued) **S118098157**

Comments:	Further Action Required.
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	AB 389 Response Plan
Completed Date:	01/08/2016
Comments:	Approval letter sent via electronic mail.
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	CEQA - Initial Study/ Neg. Declaration
Completed Date:	01/05/2016
Comments:	NOD also sent.
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	California Land Reuse and Revitalization Agreement
Completed Date:	06/26/2015
Comments:	Final signed CLRRA Agreement
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	CEQA - Responsible Agency Review
Completed Date:	01/06/2016
Comments:	NOD sent to OPEA for filing
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Certification
Completed Date:	06/28/2016
Comments:	Not reported
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Removal Action Completion Report
Completed Date:	04/11/2016
Comments:	RACR accepted and NFA issued.
Future Area Name:	Not reported
Future Sub Area Name:	Not reported
Future Document Type:	Not reported
Future Due Date:	Not reported
Schedule Area Name:	Not reported
Schedule Sub Area Name:	Not reported
Schedule Document Type:	Not reported
Schedule Due Date:	Not reported
Schedule Revised Date:	Not reported

VCP:

Name:	AT MATEO
Address:	555 MATEO STREET
City,State,Zip:	LOS ANGELES, CA 90013
Facility ID:	60002188
Site Type:	Voluntary Cleanup
Site Type Detail:	Voluntary Agreement
Site Mgmt. Req.:	NONE SPECIFIED
Acres:	3.55

AT MATEO (Continued) **S118098157**

National Priorities List:	NO
Cleanup Oversight Agencies:	SMBRP
Lead Agency:	SMBRP
Lead Agency Description:	DTSC - Site Cleanup Program
Project Manager:	Not reported
Supervisor:	Javier Hinojosa
Division Branch:	Cleanup Chatsworth
Site Code:	301708
Assembly:	, 53
Senate:	, 24
Special Programs Code:	Voluntary Agreement - CLRRA
Status:	Certified
Status Date:	07/08/2016
Restricted Use:	NO
Funding:	Responsible Party
Lat/Long:	34.03981 / -118.2328
APN:	5164-002-012
Past Use:	FOUNDRY, FUEL - VEHICLE STORAGE/ REFUELING, MACHINE SHOP
Potential COC:	30013, 30024, 30025
Confirmed COC:	30013,30024,30025
Potential Description:	SOIL, SV
Alias Name:	5164-002-012
Alias Type:	APN
Alias Name:	301708
Alias Type:	Project Code (Site Code)
Alias Name:	60002188
Alias Type:	Envirostor ID Number

Completed Info:

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Public Notice
Completed Date:	11/10/2015
Comments:	Public Comment Period from 10/13/2015 to 12/18/2015
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Fact Sheets
Completed Date:	10/13/2015
Comments:	done
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Preliminary Endangerment Assessment Report
Completed Date:	06/30/2015
Comments:	Further Action Required.
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	AB 389 Response Plan
Completed Date:	01/08/2016
Comments:	Approval letter sent via electronic mail.
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	CEQA - Initial Study/ Neg. Declaration
Completed Date:	01/05/2016
Comments:	NOD also sent.

AT MATEO (Continued) **S118098157**

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	California Land Reuse and Revitalization Agreement
Completed Date:	06/26/2015
Comments:	Final signed CLRRA Agreement

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	CEQA - Responsible Agency Review
Completed Date:	01/06/2016
Comments:	NOD sent to OPEA for filing

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Certification
Completed Date:	06/28/2016
Comments:	Not reported

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Removal Action Completion Report
Completed Date:	04/11/2016
Comments:	RACR accepted and NFA issued.

Future Area Name:	Not reported
Future Sub Area Name:	Not reported
Future Document Type:	Not reported
Future Due Date:	Not reported
Schedule Area Name:	Not reported
Schedule Sub Area Name:	Not reported
Schedule Document Type:	Not reported
Schedule Due Date:	Not reported
Schedule Revised Date:	Not reported

NPDES:

Name:	AT MATEO
Address:	555 MATEO
City,State,Zip:	LOS ANGELES, CA 90013
Facility Status:	Active
NPDES Number:	CAS000002
Region:	4
Agency Number:	0
Regulatory Measure ID:	463192
Place ID:	Not reported
Order Number:	2009-0009-DWQ
WDID:	4 19C374187
Regulatory Measure Type:	Enrollee
Program Type:	Construction
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	10/05/2015
Termination Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Discharge Address:	1940 Century Park East
Discharge Name:	ASB Blatteis Palmetto LLC
Discharge City:	Los Angeles
Discharge State:	California
Discharge Zip:	90067

AT MATEO (Continued) **S118098157**

Status:	Not reported
Status Date:	Not reported
Operator Name:	Not reported
Operator Address:	Not reported
Operator City:	Not reported
Operator State:	Not reported
Operator Zip:	Not reported

NPDES as of 03/2018:

NPDES Number:	CAS000002
Status:	Active
Agency Number:	0
Region:	4
Regulatory Measure ID:	463192
Order Number:	2009-0009-DWQ
Regulatory Measure Type:	Enrollee
Place ID:	Not reported
WDID:	4 19C374187
Program Type:	Construction
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	10/05/2015
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	ASB Blatteis Palmetto LLC
Discharge Address:	1940 Century Park East
Discharge City:	Los Angeles
Discharge State:	California
Discharge Zip:	90067
Received Date:	Not reported
Processed Date:	Not reported
Status:	Not reported
Status Date:	Not reported
Place Size:	Not reported
Place Size Unit:	Not reported
Contact:	Not reported
Contact Title:	Not reported
Contact Phone:	Not reported
Contact Phone Ext:	Not reported
Contact Email:	Not reported
Operator Name:	Not reported
Operator Address:	Not reported
Operator City:	Not reported
Operator State:	Not reported
Operator Zip:	Not reported
Operator Contact:	Not reported
Operator Contact Title:	Not reported
Operator Contact Phone:	Not reported
Operator Contact Phone Ext:	Not reported
Operator Contact Email:	Not reported
Operator Type:	Not reported
Developer:	Not reported
Developer Address:	Not reported
Developer City:	Not reported
Developer State:	Not reported
Developer Zip:	Not reported
Developer Contact:	Not reported
Developer Contact Title:	Not reported
Constype Linear Utility Ind:	Not reported

AT MATEO (Continued) **S118098157**

Emergency Phone:	Not reported
Emergency Phone Ext:	Not reported
Constype Above Ground Ind:	Not reported
Constype Below Ground Ind:	Not reported
Constype Cable Line Ind:	Not reported
Constype Comm Line Ind:	Not reported
Constype Commertial Ind:	Not reported
Constype Electrical Line Ind:	Not reported
Constype Gas Line Ind:	Not reported
Constype Industrial Ind:	Not reported
Constype Other Description:	Not reported
Constype Other Ind:	Not reported
Constype Recons Ind:	Not reported
Constype Residential Ind:	Not reported
Constype Transport Ind:	Not reported
Constype Utility Description:	Not reported
Constype Utility Ind:	Not reported
Constype Water Sewer Ind:	Not reported
Dir Discharge Uswater Ind:	Not reported
Receiving Water Name:	Not reported
Certifier:	Not reported
Certifier Title:	Not reported
Certification Date:	Not reported
Primary Sic:	Not reported
Secondary Sic:	Not reported
Tertiary Sic:	Not reported
NPDES Number:	Not reported
Status:	Not reported
Agency Number:	Not reported
Region:	4
Regulatory Measure ID:	463192
Order Number:	Not reported
Regulatory Measure Type:	Construction
Place ID:	Not reported
WDID:	4 19C374187
Program Type:	Not reported
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	Not reported
Discharge Address:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
Received Date:	09/24/2015
Processed Date:	10/05/2015
Status:	Active
Status Date:	10/05/2015
Place Size:	3.55
Place Size Unit:	Acres
Contact:	Keith Ray
Contact Title:	Architect
Contact Phone:	310-892-9770
Contact Phone Ext:	Not reported
Contact Email:	kray@edge-ap.com

AT MATEO (Continued) **S118098157**

Operator Name:	ASB Blatteis Palmetto LLC
Operator Address:	1940 Century Park East
Operator City:	Los Angeles
Operator State:	California
Operator Zip:	90067
Operator Contact:	Keith Ray
Operator Contact Title:	Architect
Operator Contact Phone:	310-892-9770
Operator Contact Phone Ext:	Not reported
Operator Contact Email:	kray@edge-ap.com
Operator Type:	Private Business
Developer:	ASB Blatteis Palmetto LLC
Developer Address:	1940 Century Park East
Developer City:	Los Angeles
Developer State:	California
Developer Zip:	90067
Developer Contact:	Keith Ray
Developer Contact Title:	Architect
Constype Linear Utility Ind:	N
Emergency Phone:	Not reported
Emergency Phone Ext:	Not reported
Constype Above Ground Ind:	N
Constype Below Ground Ind:	N
Constype Cable Line Ind:	N
Constype Comm Line Ind:	N
Constype Commertial Ind:	Y
Constype Electrical Line Ind:	N
Constype Gas Line Ind:	N
Constype Industrial Ind:	N
Constype Other Description:	Not reported
Constype Other Ind:	N
Constype Recons Ind:	N
Constype Residential Ind:	N
Constype Transport Ind:	N
Constype Utility Description:	Not reported
Constype Utility Ind:	N
Constype Water Sewer Ind:	N
Dir Discharge Uswater Ind:	N
Receiving Water Name:	Los Angeles River Reach 2
Certifier:	marc guth
Certifier Title:	officer
Certification Date:	24-SEP-15
Primary Sic:	Not reported
Secondary Sic:	Not reported
Tertiary Sic:	Not reported

Name:	AT MATEO
Address:	555 MATEO
City,State,Zip:	LOS ANGELES, CA 90013
Facility Status:	Not reported
NPDES Number:	Not reported
Region:	Not reported
Agency Number:	Not reported
Regulatory Measure ID:	Not reported
Place ID:	Not reported
Order Number:	Not reported

AT MATEO (Continued) **S118098157**

WDID:	Not reported
Regulatory Measure Type:	Construction
Program Type:	Not reported
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Discharge Address:	Not reported
Discharge Name:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
Status:	Returned
Status Date:	08/25/2015
Operator Name:	Edge Architecture Planning
Operator Address:	2700 East Coast Highway
Operator City:	Corona Del Mar
Operator State:	California
Operator Zip:	92625

Name:	AT MATEO
Address:	555 MATEO
City,State,Zip:	LOS ANGELES, CA 90013
Facility Status:	Not reported
NPDES Number:	Not reported
Region:	Not reported
Agency Number:	Not reported
Regulatory Measure ID:	Not reported
Place ID:	Not reported
Order Number:	Not reported
WDID:	4 19C374187
Regulatory Measure Type:	Construction
Program Type:	Not reported
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Discharge Address:	Not reported
Discharge Name:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
Status:	Active
Status Date:	10/05/2015
Operator Name:	ASB Blatteis Palmetto LLC
Operator Address:	1940 Century Park East
Operator City:	Los Angeles
Operator State:	California
Operator Zip:	90067

NPDES as of 03/2018:

NPDES Number:	CAS000002
Status:	Active
Agency Number:	0
Region:	4
Regulatory Measure ID:	463192
Order Number:	2009-0009-DWQ
Regulatory Measure Type:	Enrollee

AT MATEO (Continued) **S118098157**

Place ID:	Not reported
WDID:	4 19C374187
Program Type:	Construction
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	10/05/2015
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	ASB Blatteis Palmetto LLC
Discharge Address:	1940 Century Park East
Discharge City:	Los Angeles
Discharge State:	California
Discharge Zip:	90067
Received Date:	Not reported
Processed Date:	Not reported
Status:	Not reported
Status Date:	Not reported
Place Size:	Not reported
Place Size Unit:	Not reported
Contact:	Not reported
Contact Title:	Not reported
Contact Phone:	Not reported
Contact Phone Ext:	Not reported
Contact Email:	Not reported
Operator Name:	Not reported
Operator Address:	Not reported
Operator City:	Not reported
Operator State:	Not reported
Operator Zip:	Not reported
Operator Contact:	Not reported
Operator Contact Title:	Not reported
Operator Contact Phone:	Not reported
Operator Contact Phone Ext:	Not reported
Operator Contact Email:	Not reported
Operator Type:	Not reported
Developer:	Not reported
Developer Address:	Not reported
Developer City:	Not reported
Developer State:	Not reported
Developer Zip:	Not reported
Developer Contact:	Not reported
Developer Contact Title:	Not reported
Constype Linear Utility Ind:	Not reported
Emergency Phone:	Not reported
Emergency Phone Ext:	Not reported
Constype Above Ground Ind:	Not reported
Constype Below Ground Ind:	Not reported
Constype Cable Line Ind:	Not reported
Constype Comm Line Ind:	Not reported
Constype Commertial Ind:	Not reported
Constype Electrical Line Ind:	Not reported
Constype Gas Line Ind:	Not reported
Constype Industrial Ind:	Not reported
Constype Other Description:	Not reported
Constype Other Ind:	Not reported
Constype Recons Ind:	Not reported
Constype Residential Ind:	Not reported
Constype Transport Ind:	Not reported

AT MATEO (Continued) **S118098157**

Constype Utility Description:	Not reported
Constype Utility Ind:	Not reported
Constype Water Sewer Ind:	Not reported
Dir Discharge Uswater Ind:	Not reported
Receiving Water Name:	Not reported
Certifier:	Not reported
Certifier Title:	Not reported
Certification Date:	Not reported
Primary Sic:	Not reported
Secondary Sic:	Not reported
Tertiary Sic:	Not reported
NPDES Number:	Not reported
Status:	Not reported
Agency Number:	Not reported
Region:	4
Regulatory Measure ID:	463192
Order Number:	Not reported
Regulatory Measure Type:	Construction
Place ID:	Not reported
WDID:	4 19C374187
Program Type:	Not reported
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	Not reported
Discharge Address:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
Received Date:	09/24/2015
Processed Date:	10/05/2015
Status:	Active
Status Date:	10/05/2015
Place Size:	3.55
Place Size Unit:	Acres
Contact:	Keith Ray
Contact Title:	Architect
Contact Phone:	310-892-9770
Contact Phone Ext:	Not reported
Contact Email:	kray@edge-ap.com
Operator Name:	ASB Blatteis Palmetto LLC
Operator Address:	1940 Century Park East
Operator City:	Los Angeles
Operator State:	California
Operator Zip:	90067
Operator Contact:	Keith Ray
Operator Contact Title:	Architect
Operator Contact Phone:	310-892-9770
Operator Contact Phone Ext:	Not reported
Operator Contact Email:	kray@edge-ap.com
Operator Type:	Private Business
Developer:	ASB Blatteis Palmetto LLC
Developer Address:	1940 Century Park East
Developer City:	Los Angeles
Developer State:	California

AT MATEO (Continued) **S118098157**

Developer Zip:	90067
Developer Contact:	Keith Ray
Developer Contact Title:	Architect
Constype Linear Utility Ind:	N
Emergency Phone:	Not reported
Emergency Phone Ext:	Not reported
Constype Above Ground Ind:	N
Constype Below Ground Ind:	N
Constype Cable Line Ind:	N
Constype Comm Line Ind:	N
Constype Commertial Ind:	Y
Constype Electrical Line Ind:	N
Constype Gas Line Ind:	N
Constype Industrial Ind:	N
Constype Other Description:	Not reported
Constype Other Ind:	N
Constype Recons Ind:	N
Constype Residential Ind:	N
Constype Transport Ind:	N
Constype Utility Description:	Not reported
Constype Utility Ind:	N
Constype Water Sewer Ind:	N
Dir Discharge Uswater Ind:	N
Receiving Water Name:	Los Angeles River Reach 2
Certifier:	marc guth
Certifier Title:	officer
Certification Date:	24-SEP-15
Primary Sic:	Not reported
Secondary Sic:	Not reported
Tertiary Sic:	Not reported

CIWQS:

Name:	AT MATEO
Address:	555 MATEO
City,State,Zip:	LOS ANGELES, CA 90013
Agency:	ASB Blatteis Palmetto LLC
Agency Address:	1940 Century Park East suite 200, Los Angeles, CA 90067
Place/Project Type:	Construction - Commercial
SIC/NAICS:	Not reported
Region:	4
Program:	CONSTW
Regulatory Measure Status:	Active
Regulatory Measure Type:	Storm water construction
Order Number:	2009-0009-DWQ
WDID:	4 19C374187
NPDES Number:	CAS000002
Adoption Date:	Not reported
Effective Date:	10/05/2015
Termination Date:	Not reported
Expiration/Review Date:	Not reported
Design Flow:	Not reported
Major/Minor:	Not reported
Complexity:	Not reported
TTWQ:	Not reported
Enforcement Actions within 5 years:	2
Violations within 5 years:	3

AT MATEO (Continued) **S118098157**

Latitude: 34.03972
Longitude: -118.23361

CERS:
Name: AT MATEO
Address: 555 MATEO
City,State,Zip: LOS ANGELES, CA 90013
Site ID: 526683
CERS ID: 840434
CERS Description: Construction Storm Water

Violations:
Site ID: 526683
Site Name: At Mateo
Violation Date: 09-01-2020
Citation: 2009-0009-DWQ - Construction General Permit
Violation Description: SW - Late Report
Violation Notes: 2019-20 AR is overdue.
Violation Division: Water Boards
Violation Program: CONSTW
Violation Source: SMARTS,

Site ID: 526683
Site Name: At Mateo
Violation Date: 09-02-2016
Citation: 2009-0009-DWQ - Construction General Permit
Violation Description: SW - Late Report
Violation Notes: 2015-16 AR has not submitted.
Violation Division: Water Boards
Violation Program: CONSTW
Violation Source: SMARTS,

Site ID: 526683
Site Name: At Mateo
Violation Date: 01-11-2017
Citation: 2009-0009-DWQ - Construction General Permit
Violation Description: SWPPP
Violation Notes: -COI needs to be filed to update the construction end date. -The latest SWPPP needs to be uploaded into SMARTS.
Violation Division: Water Boards
Violation Program: CONSTW
Violation Source: SMARTS,

Site ID: 526683
Site Name: At Mateo
Violation Date: 09-01-2021
Citation: 2009-0009-DWQ - Construction General Permit
Violation Description: SW - Late Report
Violation Notes: Late ARs
Violation Division: Water Boards
Violation Program: CONSTW
Violation Source: SMARTS,

Site ID: 526683
Site Name: At Mateo
Violation Date: 09-01-2019
Citation: 2009-0009-DWQ - Construction General Permit

AT MATEO (Continued) **S118098157**

Violation Description: SW - Late Report
Violation Notes: 2018-19 AR is overdue.
Violation Division: Water Boards
Violation Program: CONSTW
Violation Source: SMARTS,

Site ID: 526683
Site Name: At Mateo
Violation Date: 01-11-2017
Citation: 2009-0009-DWQ - Construction General Permit
Violation Description: SW - Deficient BMP Implementation
Violation Notes: Lack of sediment and tracking control at the entrance area.
Violation Division: Water Boards
Violation Program: CONSTW
Violation Source: SMARTS,

Evaluation:
Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-11-2017
Violations Found: Yes
Eval Type: Industrial Storm Water Compliance Evaluation
Eval Notes: The following issues were found: 1) lack of sediment and tracking control at the entrance area; 2) COI needs to be filed to update the construction end date; 3) the latest SWPPP needs to be uploaded into SMARTS; 4) 2015-16 AR is missing; and 5) misusage of drywells. A NTC was issued. The detailed inspection is attached.
Eval Division: Water Boards
Eval Program: CONSTW
Eval Source: SMARTS,

Eval General Type: Other/Unknown
Eval Date: 06-24-2020
Violations Found: No
Eval Type: Construction Storm Water Compliance Evaluation
Eval Notes: Active, Almost done, check for completion for NOT.
Eval Division: Water Boards
Eval Program: CONSTW
Eval Source: SMARTS,

Enforcement Action:
Site ID: 526683
Site Name: At Mateo
Site Address: 555 MATEO
Site City: LOS ANGELES
Site Zip: 90013
Enf Action Date: 01-11-2017
Enf Action Type: Notice to Comply
Enf Action Description: Notice to Comply
Enf Action Notes: Ordered to correct the following violations: 1) lack of sediment/tracking control; 2) COI needs to be filed to update the construction end date; 3) the latest SWPPP needs to be uploaded into SMARTS; and 4) 2015-16 AR is missing.
Enf Action Division: Water Boards
Enf Action Program: CONSTW
Enf Action Source: SMARTS,

AT MATEO (Continued) **S118098157**

Site ID:	526683
Site Name:	At Mateo
Site Address:	555 MATEO
Site City:	LOS ANGELES
Site Zip:	90013
Enf Action Date:	01-31-2022
Enf Action Type:	Industrial Storm Water Enforcement
Enf Action Description:	Industrial Storm Water Enforcement
Enf Action Notes:	Ordered to submit outstanding 2018-19, 2019-20, and 2020-21 ARs immediately.
Enf Action Division:	Water Boards
Enf Action Program:	CONSTW
Enf Action Source:	SMARTS,

Site ID:	526683
Site Name:	At Mateo
Site Address:	555 MATEO
Site City:	LOS ANGELES
Site Zip:	90013
Enf Action Date:	11-15-2021
Enf Action Type:	Industrial Storm Water Enforcement
Enf Action Description:	Industrial Storm Water Enforcement
Enf Action Notes:	Soft NNC
Enf Action Division:	Water Boards
Enf Action Program:	CONSTW
Enf Action Source:	SMARTS,

Affiliation:

Affiliation Type Desc:	Owner/Operator
Entity Name:	ASB Blatteis Palmetto LLC
Entity Title:	Operator
Affiliation Address:	1940 Century Park Eastsuite 200
Affiliation City:	Los Angeles
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	90067
Affiliation Phone:	.

266
SE
1/4-1/2
0.476 mi.
2514 ft.

FREEWAY RECYCLING
1320 MATEO ST
LOS ANGELES, CA 90021

SWRCY **S117230880**
NPDES **N/A**

Relative:
Lower

Actual:
240 ft.

SWRCY:

Name:	FREEWAY RECYCLING
Address:	1320 MATEO ST
City,State,Zip:	LOS ANGELES, CA 90021
Reg Id:	197892
Cert Id:	RC197892.001
Mailing Address:	1041 Western Ave
Mailing City:	Glendale
Mailing State:	CA
Mailing Zip Code:	91201
Website:	Not reported
Email:	TigranAdzhemyan@yahoo.com

FREEWAY RECYCLING (Continued) **S117230880**

Phone Number:	(818) 984-8521
Rural:	N
Operation Begin Date:	06/25/2014
Aluminium:	Y
Glass:	Y
Plastic:	Y
Bimetal:	Y
Hours of Operation:	Mon - Sat 8:00 am - 5:00 pm, Closed 12:00 pm - 1:00 pm; Sun 9:00 am - 2:00 pm, Closed 12:00 pm - 1:00 pm
Organization ID:	197892
Organization Name:	Freeway Recycling

NPDES:

Name:	CELERINO?S PALLETS
Address:	1320 MATEO STREET
City,State,Zip:	LOS ANGELES, CA 90021
Facility Status:	Not reported
NPDES Number:	Not reported
Region:	Not reported
Agency Number:	Not reported
Regulatory Measure ID:	Not reported
Place ID:	Not reported
Order Number:	Not reported
WDID:	4 19IN604581
Regulatory Measure Type:	Industrial
Program Type:	Not reported
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Discharge Address:	Not reported
Discharge Name:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
Status:	No Action Required
Status Date:	10/25/2018
Operator Name:	Celerino?s Pallets
Operator Address:	1320 Mateo Street
Operator City:	Los Angeles
Operator State:	California
Operator Zip:	90021

AW267
NW
1/4-1/2
0.476 mi.
2515 ft.

ACE PLATING CO., INC.
719 TOWNE AVENUE
LOS ANGELES, CA 90021

Site 1 of 2 in cluster AW

ENVIROSTOR **S105632824**
CPS-SLIC **N/A**
CHMIRS
CERS

Relative:
Higher

Actual:
250 ft.

ENVIROSTOR:

Name:	ACE PLATING CO., INC.
Address:	719 TOWNE AVENUE
City,State,Zip:	LOS ANGELES, CA 90021
Facility ID:	71002245
Status:	Inactive - Needs Evaluation
Status Date:	05/09/2012
Site Code:	Not reported

ACE PLATING CO., INC. (Continued) **S105632824**

Site Type: Tiered Permit
Site Type Detailed: Tiered Permit
Acres: 0
NPL: NO
Regulatory Agencies: NONE SPECIFIED
Lead Agency: NONE SPECIFIED
Program Manager: Not reported
Supervisor: Referred - Not Assigned
Division Branch: Cleanup Chatsworth
Assembly: 53
Senate: 30
Special Program: Not reported
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: Not reported
Latitude: 34.03924
Longitude: -118.2459
APN: NONE SPECIFIED
Past Use: NONE SPECIFIED
Potential COC: NONE SPECIFIED
Confirmed COC: NONE SPECIFIED
Potential Description: NONE SPECIFIED
Alias Name: CAD008514648
Alias Type: EPA Identification Number
Alias Name: 71002245
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: Not reported
Completed Sub Area Name: Not reported
Completed Document Type: Not reported
Completed Date: Not reported
Comments: Not reported

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

CPS-SLIC:
Name: FORMER ACE PLATING
Address: 719 TOWNE AVENUE
City,State,Zip: LOS ANGELES, CA 90021
Region: STATE
Facility Status: **Open - Site Assessment**
Status Date: 06/06/2013
Global Id: T10000004814
Lead Agency: LOS ANGELES RWQCB (REGION 4)
Lead Agency Case Number: Not reported
Latitude: 34.03924
Longitude: -118.24591
Case Type: Cleanup Program Site

ACE PLATING CO., INC. (Continued) **S105632824**

Case Worker:	RV
Local Agency:	Not reported
RB Case Number:	1290
File Location:	Regional Board
Potential Media Affected:	Aquifer used for drinking water supply, Contaminated Surface / Structure, Soil, Soil Vapor
Potential Contaminants of Concern:	Tetrachloroethylene (PCE), Trichloroethylene (TCE), Chromium, Chromium VI
Site History:	Plating operations started in the mid-1910s in the southwestern portion of the Site until 2005. Ace Plating owned and conducted plating related operations on the 11 contiguous parcels, specifically electrochemical coating of metal parts. Numerous assessments conducted at the site indicate that the soil is impacted with VOCs and metals. The soil vapor has been sampled throughout the Site with tetrachloroethene (PCE) concentrations at 5 feet below ground surface (bgs) ranging from 7.9 micrograms per liter (g/L) to 87 g/L. The soil vapor data is limited at depths greater than 30 feet bgs. At 60 feet bgs and below, PCE concentrations range from 39 g/L below the Assembly Room to 127 g/L offsite on Crocker Street. The lateral extent of shallow PCE greater than 12 g/L is only defined on the east side. The source of the PCE is unknown but slightly higher concentrations exist in the central portions of the Plating Rooms. Chromium concentrations ranged from 1.5 mg/kg to 4,300 mg/kg for total chromium and from 0.92 to 840 mg/kg for hexavalent chromium. The maximum concentrations were both collected from SSVW-2 at 1 foot bgs located in the alley between the Crocker Street and Towne Avenue buildings and is adjacent to the location of the former chromium tanks. Outside of the area impacted by the former chromium tanks, the maximum chromium concentration is 4200 mg/kg for total chromium and 94 mg/kg for hexavalent chromium at MW-1. Degreasers that contained PCE were utilized in Plating Rooms 1 and 2 from 1993 to 2001. The maximum PCE concentration is 0.150 mg/kg and was sampled 4 feet deep in the vicinity of the former nickel dip tank in Plating Room 2. Two groundwater monitoring wells have been installed. Hexavalent chromium was not detected above the laboratory detection limits in any of the groundwater samples collected. Tetrachloroethylene (PCE) and 1,1-dichloroethene are the only VOC detected in groundwater, with the maximum concentration detected in MW-3 at a concentration of 33 ug/L and 2.7 ug/L, respectively.

Click here to access the California GeoTracker records for this facility:

CHMIRS:

Name:	Not reported
Address:	719 SO TOWNE
City,State,Zip:	LOS ANGELES, CA
OES Incident Number:	351
OES notification:	Not reported
OES Date:	11/23/1994
OES Time:	06:35:17 AM
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported

ACE PLATING CO., INC. (Continued) **S105632824**

Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	YES
Waterway:	Not reported
Spill Site:	Not reported
Cleanup By:	discharger/county health
Containment:	Not reported
What Happened:	Not reported
Type:	CHEMICAL
Measure:	Not reported
Other:	Not reported
Date/Time:	Not reported
Year:	1994
Agency:	la cy fd
Incident Date:	11/23/94 0400
Admin Agency:	Not reported
Amount:	150 gal
Contained:	NO
Site Type:	Not reported
E Date:	Not reported
Substance:	stripping compound "B -9 nickel iron stripper"
Unknown:	Not reported
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	NO
Number of Injuries:	NO
Number of Fatalities:	NO
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	heater in tank left on overnight - substance became overheated and meltetank causing small fire. drained into containment area -

ACE PLATING CO., INC. (Continued) **S105632824**

CERS:
- Name: FORMER ACE PLATING
- Address: 719 TOWNE AVENUE
- City,State,Zip: LOS ANGELES, CA 90021
- Site ID: 244714
- CERS ID: T10000004814
- CERS Description: Cleanup Program Site

Affiliation:
- Affiliation Type Desc: Regional Board Caseworker
- Entity Name: RYAN VITUG - LOS ANGELES RWQCB (REGION 4)
- Entity Title: Not reported
- Affiliation Address: 320 West 4th St.
- Affiliation City: LOS ANGELES
- Affiliation State: CA
- Affiliation Country: Not reported
- Affiliation Zip: Not reported
- Affiliation Phone: 2135766663,

AW268 **GREEN CO RECYCLING** **SWRCY** **S125954922**
NW **714 E 7TH ST** **N/A**
1/4-1/2 **LOS ANGELES, CA 90021**
0.482 mi.
2547 ft. **Site 2 of 2 in cluster AW**

Relative:
Higher

Actual:
251 ft.

SWRCY:
- Name: GREEN CO RECYCLING
- Address: 714 E 7TH ST
- City,State,Zip: LOS ANGELES, CA 90021
- Reg Id: Not reported
- Cert Id: RC296105.001
- Mailing Address: 1121 W Vernon Ave #5
- Mailing City: Los Angeles
- Mailing State: CA
- Mailing Zip Code: 90037
- Website: Not reported
- Email: Not reported
- Phone Number: (213) 362-8190
- Rural: N
- Operation Begin Date: 02/24/2020
- Aluminium: Not reported
- Glass: Not reported
- Plastic: Not reported
- Bimetal: Not reported
- Hours of Operation: Mon - Fri 8:00 am - 5:00 pm, Closed 12:30 pm - 1:00 pm; Sat 8:00 am - 4:00 pm, Closed 12:30 pm - 1:00 pm; Sun 8:00 am - 2:00 pm, Closed 12:00 pm - 12:30 pm
- Organization ID: Not reported
- Organization Name: Greenville Recycling Center

AV269
SSE
1/4-1/2
0.493 mi.
2604 ft.

CALIFORNIA RECLAMATION/US BRASS (FORMER)
1331-61 WILSON ST./1346-50 ELWOOD ST.
LA, CA 90021

Site 3 of 3 in cluster AV

ENVIROSTOR **S107736331**
N/A

Relative:
Lower

Actual:
234 ft.

ENVIROSTOR:

Name:	CALIFORNIA RECLAMATION/US BRASS (FORMER)
Address:	1331-61 WILSON ST./1346-50 ELWOOD ST.
City,State,Zip:	LA, CA 90021
Facility ID:	70000169
Status:	Refer: 1248 Local Agency
Status Date:	08/02/2002
Site Code:	Not reported
Site Type:	Evaluation
Site Type Detailed:	Evaluation
Acres:	Not reported
NPL:	NO
Regulatory Agencies:	LA CNTY FIRE DEPT. (BILLING AND UST), LOS ANGELES COUNTY
Lead Agency:	NONE SPECIFIED
Program Manager:	Not reported
Supervisor:	* Greg Holmes
Division Branch:	Cleanup Cypress
Assembly:	46
Senate:	Not reported
Special Program:	Not reported
Restricted Use:	NO
Site Mgmt Req:	NONE SPECIFIED
Funding:	Not Applicable
Latitude:	34.02517
Longitude:	-118.2356
APN:	NONE SPECIFIED
Past Use:	NONE SPECIFIED
Potential COC:	NONE SPECIFIED
Confirmed COC:	NONE SPECIFIED
Potential Description:	NONE SPECIFIED
Alias Name:	70000169
Alias Type:	Envirostor ID Number

Completed Info:

Completed Area Name:	Not reported
Completed Sub Area Name:	Not reported
Completed Document Type:	Not reported
Completed Date:	Not reported
Comments:	Not reported
Future Area Name:	Not reported
Future Sub Area Name:	Not reported
Future Document Type:	Not reported
Future Due Date:	Not reported
Schedule Area Name:	Not reported
Schedule Sub Area Name:	Not reported
Schedule Document Type:	Not reported
Schedule Due Date:	Not reported
Schedule Revised Date:	Not reported

270 ESE 1/2-1 0.512 mi. 2702 ft. — **WESTERN ELECTROCHEMICAL COMPANY**, **2348 EAST 8TH STREET**, **LOS ANGELES, CA 90021** — **RESPONSE ENVIROSTOR CERS** — **S112205487 N/A**

Relative: Lower

Actual: 242 ft.

RESPONSE:

Name:	WESTERN ELECTROCHEMICAL COMPANY
Address:	2348 EAST 8TH STREET
City,State,Zip:	LOS ANGELES, CA 90021
Facility ID:	60001827
Site Type:	State Response
Site Type Detail:	State Response or NPL
Acres:	0.4
National Priorities List:	NO
Cleanup Oversight Agencies:	SMBRP
Lead Agency Description:	DTSC - Site Cleanup Program
Project Manager:	Not reported
Supervisor:	Juli Propes
Division Branch:	Cleanup Chatsworth
Site Code:	301581
Site Mgmt. Req.:	NONE SPECIFIED
Assembly:	46
Senate:	24
Special Program Status:	Not reported
Status:	No Further Action
Status Date:	11/25/2013
Restricted Use:	NO
Funding:	Orphan Funds
Latitude:	34.02932
Longitude:	-118.2307
APN:	NONE SPECIFIED
Past Use:	MANUFACTURING - CHEMICALS
Potential COC :	Perchlorate
Confirmed COC:	30017-NO
Potential Description:	AQUI, OTH, SED, SOIL
Alias Name:	WECCO
Alias Type:	Alternate Name
Alias Name:	301581
Alias Type:	Project Code (Site Code)
Alias Name:	60001827
Alias Type:	Envirostor ID Number

Completed Info:

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Preliminary Assessment Work Plan
Completed Date:	05/31/2013
Comments:	Not reported
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Other Report
Completed Date:	11/01/2012
Comments:	Not reported
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	State/Federal Funded Site Contract Fiscal Approval (CFA)
Completed Date:	04/18/2013

WESTERN ELECTROCHEMICAL COMPANY (Continued) **S112205487**

Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Assessment Work Plan
Completed Date: 05/31/2013
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Report
Completed Date: 11/25/2013
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: State/Federal Funded Site Field Order
Completed Date: 05/13/2013
Comments: completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: State/Federal Funded Site Contract
Completed Date: 02/21/2013
Comments: completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: State/Federal Funded Site Contract Fiscal Approval (CFA)
Completed Date: 02/26/2013
Comments: completed

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

ENVIROSTOR:
Name: WESTERN ELECTROCHEMICAL COMPANY
Address: 2348 EAST 8TH STREET
City,State,Zip: LOS ANGELES, CA 90021
Facility ID: 60001827
Status: No Further Action
Status Date: 11/25/2013
Site Code: 301581
Site Type: State Response
Site Type Detailed: State Response or NPL
Acres: 0.4
NPL: NO
Regulatory Agencies: SMBRP
Lead Agency: SMBRP
Program Manager: Not reported

WESTERN ELECTROCHEMICAL COMPANY (Continued) **S112205487**

Supervisor: Juli Propes
Division Branch: Cleanup Chatsworth
Assembly: 46
Senate: 24
Special Program: Not reported
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: Orphan Funds
Latitude: 34.02932
Longitude: -118.2307
APN: NONE SPECIFIED
Past Use: MANUFACTURING - CHEMICALS
Potential COC: Perchlorate
Confirmed COC: 30017-NO
Potential Description: AQUI, OTH, SED, SOIL
Alias Name: WECCO
Alias Type: Alternate Name
Alias Name: 301581
Alias Type: Project Code (Site Code)
Alias Name: 60001827
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Assessment Work Plan
Completed Date: 05/31/2013
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 11/01/2012
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: State/Federal Funded Site Contract Fiscal Approval (CFA)
Completed Date: 04/18/2013
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Assessment Work Plan
Completed Date: 05/31/2013
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Report
Completed Date: 11/25/2013
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: State/Federal Funded Site Field Order
Completed Date: 05/13/2013
Comments: completed

WESTERN ELECTROCHEMICAL COMPANY (Continued) **S112205487**

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	State/Federal Funded Site Contract
Completed Date:	02/21/2013
Comments:	completed
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	State/Federal Funded Site Contract Fiscal Approval (CFA)
Completed Date:	02/26/2013
Comments:	completed
Future Area Name:	Not reported
Future Sub Area Name:	Not reported
Future Document Type:	Not reported
Future Due Date:	Not reported
Schedule Area Name:	Not reported
Schedule Sub Area Name:	Not reported
Schedule Document Type:	Not reported
Schedule Due Date:	Not reported
Schedule Revised Date:	Not reported

CERS:

Name:	WESTERN ELECTROCHEMI
Address:	2348 EAST 8TH STREET
City,State,Zip:	LOS ANGELES, CA 90021
Site ID:	610846
CERS ID:	60001827
CERS Description:	State Response

Affiliation:

Affiliation Type Desc:	Supervisor
Entity Name:	Juli Propes
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	.

AX271 **DEAN AND ASSOCIATES** **RESPONSE** **S100833562**
East **700 SOUTH SANTA FE AVENUE** **ENVIROSTOR** **N/A**
1/2-1 **LOS ANGELES, CA 90021** **HIST Cal-Sites**
0.515 mi. **CA BOND EXP. PLAN**
2719 ft. **Site 1 of 2 in cluster AX** **CERS**

Relative:
Higher

Actual:
246 ft.

RESPONSE:

Name:	DEAN AND ASSOCIATES
Address:	700 SOUTH SANTA FE AVENUE
City,State,Zip:	LOS ANGELES, CA 90021
Facility ID:	19490206
Site Type:	State Response
Site Type Detail:	State Response or NPL
Acres:	0.15
National Priorities List:	NO
Cleanup Oversight Agencies:	DTSC

DEAN AND ASSOCIATES (Continued) **S100833562**

Lead Agency Description:	* DTSC
Project Manager:	Not reported
Supervisor:	Referred - Not Assigned
Division Branch:	Cleanup Chatsworth
Site Code:	300044
Site Mgmt. Req.:	NONE SPECIFIED
Assembly:	53
Senate:	24
Special Program Status:	Not reported
Status:	Certified
Status Date:	06/30/1987
Restricted Use:	NO
Funding:	Responsible Party
Latitude:	34.03432
Longitude:	-118.2296
APN:	5166-002-011, 5166002011
Past Use:	RECYCLING - SCRAP METAL
Potential COC :	Polychlorinated biphenyls (PCBs
Confirmed COC:	Polychlorinated biphenyls (PCBs
Potential Description:	SOIL
Alias Name:	5166-002-011
Alias Type:	APN
Alias Name:	5166002011
Alias Type:	APN
Alias Name:	CAD082199407
Alias Type:	EPA Identification Number
Alias Name:	110033617502
Alias Type:	EPA (FRS #)
Alias Name:	P33071
Alias Type:	PCode
Alias Name:	300044
Alias Type:	Project Code (Site Code)
Alias Name:	19490206
Alias Type:	Envirostor ID Number

Completed Info:

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Certification
Completed Date:	06/30/1987
Comments:	5000 gallons of liquid treated and discharged-570 cubic yards hazardous solids removed.
Future Area Name:	Not reported
Future Sub Area Name:	Not reported
Future Document Type:	Not reported
Future Due Date:	Not reported
Schedule Area Name:	Not reported
Schedule Sub Area Name:	Not reported
Schedule Document Type:	Not reported
Schedule Due Date:	Not reported
Schedule Revised Date:	Not reported

ENVIROSTOR:

Name:	DEAN AND ASSOCIATES
Address:	700 SOUTH SANTA FE AVENUE
City,State,Zip:	LOS ANGELES, CA 90021

DEAN AND ASSOCIATES (Continued) **S100833562**

Facility ID: 19490206
Status: Certified
Status Date: 06/30/1987
Site Code: 300044
Site Type: State Response
Site Type Detailed: State Response or NPL
Acres: 0.15
NPL: NO
Regulatory Agencies: DTSC
Lead Agency: DTSC
Program Manager: Not reported
Supervisor: Referred - Not Assigned
Division Branch: Cleanup Chatsworth
Assembly: 53
Senate: 24
Special Program: Not reported
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: Responsible Party
Latitude: 34.03432
Longitude: -118.2296
APN: 5166-002-011, 5166002011
Past Use: RECYCLING - SCRAP METAL
Potential COC: Polychlorinated biphenyls (PCBs
Confirmed COC: Polychlorinated biphenyls (PCBs
Potential Description: SOIL
Alias Name: 5166-002-011
Alias Type: APN
Alias Name: 5166002011
Alias Type: APN
Alias Name: CAD082199407
Alias Type: EPA Identification Number
Alias Name: 110033617502
Alias Type: EPA (FRS #)
Alias Name: P33071
Alias Type: PCode
Alias Name: 300044
Alias Type: Project Code (Site Code)
Alias Name: 19490206
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Certification
Completed Date: 06/30/1987
Comments: 5000 gallons of liquid treated and discharged-570 cubic yards hazardous solids removed.

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

DEAN AND ASSOCIATES (Continued) **S100833562**

Calsite:

Name:	DEAN AND ASSOCIATES
Address:	700 SOUTH SANTA FE AVENUE
City:	LOS ANGELES
Region:	GLENDALE
Facility ID:	19490206
Facility Type:	RP
Type:	RESPONSIBLE PARTY
Branch:	SA
Branch Name:	SO CAL - GLENDALE
File Name:	Not reported
State Senate District:	06301987
Status:	CERTIFIED AS HAVING BEEN REMEDIED SATISFACTORILY UNDER DTSC OVERSIGHT
Status Name:	CERTIFIED
Lead Agency:	DEPT OF TOXIC SUBSTANCES CONTROL
NPL:	Not Listed
SIC Code:	49
SIC Name:	ELECTRIC, GAS & SANITARY SERVICES
Access:	Not reported
Cortese:	Not reported
Hazardous Ranking Score:	Not reported
Date Site Hazard Ranked:	Not reported
Groundwater Contamination:	Unknown
Staff Member Responsible for Site:	Not reported
Supervisor Responsible for Site:	Not reported
Region Water Control Board:	Not reported
Region Water Control Board Name:	Not reported
Lat/Long Direction:	Not reported
Lat/Long (dms):	0 0 0 / 0 0 0
Lat/long Method:	Not reported
Lat/Long Description:	Not reported
State Assembly District Code:	46
State Senate District Code:	22
Facility ID:	19490206
Activity:	CERT
Activity Name:	CERTIFICATION
AWP Code:	Not reported
Proposed Budget:	0
AWP Completion Date:	Not reported
Revised Due Date:	Not reported
Comments Date:	06301987
Est Person-Yrs to complete:	0
Estimated Size:	Not reported
Request to Delete Activity:	Not reported
Activity Status:	CERT
Definition of Status:	CERTIFIED
Liquids Removed (Gals):	0
Liquids Treated (Gals):	0
Action Included Capping:	Not reported
Well Decommissioned:	Not reported
Action Included Fencing:	Not reported
Removal Action Certification:	Not reported
Activity Comments:	Not reported
For Commercial Reuse:	0
For Industrial Reuse:	0
For Residential Reuse:	0
Unknown Type:	0

DEAN AND ASSOCIATES (Continued) **S100833562**

Alternate Address:	700 SOUTH SANTA FE AVENUE
Alternate City,St,Zip:	LOS ANGELES, CA 90021
Background Info:	Not reported
Comments Date:	04181989
Comments:	SITE IS ON 1989 BOND EXPENDITURE PLAN FOR COST RECOVERY
Comments Date:	04181989
Comments:	ONLY.
Comments Date:	06301987
Comments:	5000 gallons of liquid treated and discharged-570 cubic
Comments Date:	06301987
Comments:	yards hazardous solids removed.
ID Name:	BEP DATABASE PCODE
ID Value:	P33071
ID Name:	EPA IDENTIFICATION NUMBER
ID Value:	CAD082199407
Alternate Name:	DEAN AND ASSOCIATES
Alternate Name:	Not reported
Special Programs Code:	Not reported
Special Programs Name:	Not reported

CA BOND EXP. PLAN:

Reponsible Party:	COST RECOVERY/OPERATION AND MAINTENANCE SITE
Project Revenue Source Company:	Not reported
Project Revenue Source Addr:	Not reported
Project Revenue Source City,St,Zip:	Not reported
Project Revenue Source Desc:	DHS has utilized Bond funds to complete the remedial action. DHS is currently undertaking appropriate cost recovery actions.
Site Description:	This site was previously used to scrap electrical transformers.
Hazardous Waste Desc:	Polychlorinated biphenyls (PCBs) were detected in the soil.
Threat To Public Health & Env:	The remedial action has been completed. Soil contaminated with PCBs was excavated and redisposed of in a licensed landfill. There is no threat to public health and the environment.
Site Activity Status:	In August, 1985, the RP, Mr. Rodney Dean, pled no contest to three felony counts of illegal storage, transportation and disposal of hazardous wastes. Mr. Dean's probation required that the cleanup of the site be completed and reported to the court. The RP retained a contractor for the cleanup and began the remedial actions. The contractors removed much of the contaminated soil. DHS completed the cleanup after the RP exhausted his financial resources. DHS is currently in the cost recovery stage.

CERS:

Name:	DEAN AND ASSOCIATES
Address:	700 SOUTH SANTA FE AVENUE
City,State,Zip:	LOS ANGELES, CA 90021
Site ID:	606918
CERS ID:	19490206
CERS Description:	State Response

Affiliation:

Affiliation Type Desc:	Supervisor
Entity Name:	Referred - Not Assigned
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported

DEAN AND ASSOCIATES (Continued) **S100833562**

Affiliation Phone:

AX272 **BAILEY & SCHMITZ COMPANY** **ENVIROSTOR** **S105024744**
East **2101 EAST 7TH STREET** **HIST CORTESE** **N/A**
1/2-1 **LOS ANGELES, CA 90021**
0.518 mi.
2734 ft. **Site 2 of 2 in cluster AX**

Relative: **Higher**

Actual: **246 ft.**

ENVIROSTOR:

Name:	BAILEY & SCHMITZ COMPANY
Address:	2101 EAST 7TH STREET
City,State,Zip:	LOS ANGELES, CA 90021
Facility ID:	19250029
Status:	No Further Action
Status Date:	11/30/1988
Site Code:	Not reported
Site Type:	Historical
Site Type Detailed:	* Historical
Acres:	0
NPL:	NO
Regulatory Agencies:	NONE SPECIFIED
Lead Agency:	NONE SPECIFIED
Program Manager:	Not reported
Supervisor:	* Harlan Jeche
Division Branch:	Cleanup Chatsworth
Assembly:	53
Senate:	24
Special Program:	* CERC2
Restricted Use:	NO
Site Mgmt Req:	NONE SPECIFIED
Funding:	Not reported
Latitude:	34.03489
Longitude:	-118.2297
APN:	5164018008
Past Use:	VEHICLE MAINTENANCE
Potential COC:	* CONTAMINATED SOIL * WASTE OIL & MIXED OIL * OTHER PESTICIDE CONTAINERS, 30 GALLONS OR MORE
Confirmed COC:	NONE SPECIFIED
Potential Description:	SOIL, SV
Alias Name:	5164018008
Alias Type:	APN
Alias Name:	19250029
Alias Type:	Envirostor ID Number

Completed Info:

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	* Discovery
Completed Date:	12/17/1982
Comments:	FACILITY IDENTIFIED ID FROM DRIVE-BYS TO VICINITY. FACILITY DRIVE-BY SITE INACTIVE. DISP OF OIL TO DRUMS & GROUND. DISP OF AUTO PARTS. SUSPECT DISP FROM
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Preliminary Assessment Report
Completed Date:	01/05/1989

BAILEY & SCHMITZ COMPANY (Continued) **S105024744**

Comments:	SUBMIT TO EPA NO FURTHER ACTION UNDER CERCLA 2
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Preliminary Assessment Report
Completed Date:	11/30/1988
Comments:	PRELIM ASSESS DONE BBLS BELONGED TO JUNK MAN UP THE STREET REMOVED AT NEW OWNERS REQUEST. GRADING & LIMITED SOIL WAS BROUGHT IN BEFORE AN ASPHALT DRIVEWAY WAS CONSTRUCTED
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Site Screening
Completed Date:	05/18/1987
Comments:	SITE SCREENING DONE RATIONALE - POSS ONSITE CONTAM
Future Area Name:	Not reported
Future Sub Area Name:	Not reported
Future Document Type:	Not reported
Future Due Date:	Not reported
Schedule Area Name:	Not reported
Schedule Sub Area Name:	Not reported
Schedule Document Type:	Not reported
Schedule Due Date:	Not reported
Schedule Revised Date:	Not reported

HIST CORTESE:

edr_fname:	BAILEY & SCHMITZ COMPANY
edr_fadd1:	2101 7TH
City,State,Zip:	LOS ANGELES, CA 90021
Region:	CORTESE
Facility County Code:	19
Reg By:	CALSI
Reg Id:	19250029

273
ESE
1/2-1
0.532 mi.
2808 ft.

BURLEY SEAL PRODUCTS CO. (FORMER)
1026 SANTE FE AVE.
LOS ANGELES, CA 90021

ENVIROSTOR **S106665614**
N/A

Relative:
Lower

Actual:
244 ft.

ENVIROSTOR:

Name:	BURLEY SEAL PRODUCTS CO. (FORMER)
Address:	1026 SANTE FE AVE.
City,State,Zip:	LOS ANGELES, CA 90021
Facility ID:	19300242
Status:	Refer: 1248 Local Agency
Status Date:	09/17/2004
Site Code:	Not reported
Site Type:	Evaluation
Site Type Detailed:	Evaluation
Acres:	Not reported
NPL:	NO
Regulatory Agencies:	NONE SPECIFIED
Lead Agency:	NONE SPECIFIED
Program Manager:	Not reported
Supervisor:	Referred - Not Assigned

BURLEY SEAL PRODUCTS CO. (FORMER) (Continued) **S106665614**

Division Branch: Cleanup Cypress
Assembly: 46
Senate: Not reported
Special Program: Not reported
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: Not Applicable
Latitude: 34.03074
Longitude: -118.2296
APN: NONE SPECIFIED
Past Use: NONE SPECIFIED
Potential COC: NONE SPECIFIED
Confirmed COC: NONE SPECIFIED
Potential Description: NONE SPECIFIED
Alias Name: 19300242
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: Not reported
Completed Sub Area Name: Not reported
Completed Document Type: Not reported
Completed Date: Not reported
Comments: Not reported

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

274
SW
1/2-1
0.539 mi.
2848 ft.

FISHKING PROCESSORS/15TH ST
1335 E. 15TH STREET
LOS ANGELES, CA 90021

ENVIROSTOR **S108206942**
VCP **N/A**

Relative:
Lower

Actual:
235 ft.

ENVIROSTOR:
Name: FISHKING PROCESSORS/15TH ST
Address: 1335 E. 15TH STREET
City,State,Zip: LOS ANGELES, CA 90021
Facility ID: 19760017
Status: No Further Action
Status Date: 04/09/1997
Site Code: 300656
Site Type: Voluntary Cleanup
Site Type Detailed: Voluntary Agreement
Acres: 0.03
NPL: NO
Regulatory Agencies: DTSC
Lead Agency: DTSC
Program Manager: Not reported
Supervisor: Sayareh Amirebrahimi
Division Branch: Cleanup Chatsworth
Assembly: 53

FISHKING PROCESSORS/15TH ST (Continued) **S108206942**

Senate: 30
Special Program: Voluntary Agreement - Standard Voluntary Agreement
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: Responsible Party
Latitude: 34.02671
Longitude: -118.2467
APN: 5130-011-011, 5130011011
Past Use: MANUFACTURING - INDUSTRIAL MACHINERY
Potential COC: Total Chromium (1:6 ratio Cr VI:Cr III Lead Xylenes
Confirmed COC: Total Chromium (1:6 ratio Cr VI:Cr III Lead Xylenes
Potential Description: SOIL, SV
Alias Name: FISHKING PROCESSORS, INC.
Alias Type: Alternate Name
Alias Name: FISHKING/E. 15TH ST
Alias Type: Alternate Name
Alias Name: 5130-011-011
Alias Type: APN
Alias Name: 5130011011
Alias Type: APN
Alias Name: 110033615416
Alias Type: EPA (FRS #)
Alias Name: 300656
Alias Type: Project Code (Site Code)
Alias Name: 19760017
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Report
Completed Date: 05/01/1998
Comments: The PEA was approved with

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Standard Voluntary Agreement
Completed Date: 04/09/1997
Comments: Not reported

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

VCP:
Name: FISHKING PROCESSORS/15TH ST
Address: 1335 E. 15TH STREET
City,State,Zip: LOS ANGELES, CA 90021
Facility ID: 19760017
Site Type: Voluntary Cleanup
Site Type Detail: Voluntary Agreement

FISHKING PROCESSORS/15TH ST (Continued) **S108206942**

Site Mgmt. Req.:	NONE SPECIFIED
Acres:	0.03
National Priorities List:	NO
Cleanup Oversight Agencies:	DTSC
Lead Agency:	DTSC
Lead Agency Description:	* DTSC
Project Manager:	Not reported
Supervisor:	Sayareh Amirebrahimi
Division Branch:	Cleanup Chatsworth
Site Code:	300656
Assembly:	53
Senate:	30
Special Programs Code:	Voluntary Agreement - Standard Voluntary Agreement
Status:	No Further Action
Status Date:	04/09/1997
Restricted Use:	NO
Funding:	Responsible Party
Lat/Long:	34.02671 / -118.2467
APN:	5130-011-011, 5130011011
Past Use:	MANUFACTURING - INDUSTRIAL MACHINERY
Potential COC:	30005, 30013, 30593
Confirmed COC:	30005,30013,30593
Potential Description:	SOIL, SV
Alias Name:	FISHKING PROCESSORS, INC.
Alias Type:	Alternate Name
Alias Name:	FISHKING/E. 15TH ST
Alias Type:	Alternate Name
Alias Name:	5130-011-011
Alias Type:	APN
Alias Name:	5130011011
Alias Type:	APN
Alias Name:	110033615416
Alias Type:	EPA (FRS #)
Alias Name:	300656
Alias Type:	Project Code (Site Code)
Alias Name:	19760017
Alias Type:	Envirostor ID Number

Completed Info:

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Preliminary Endangerment Assessment Report
Completed Date:	05/01/1998
Comments:	The PEA was approved with
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Standard Voluntary Agreement
Completed Date:	04/09/1997
Comments:	Not reported
Future Area Name:	Not reported
Future Sub Area Name:	Not reported
Future Document Type:	Not reported
Future Due Date:	Not reported
Schedule Area Name:	Not reported
Schedule Sub Area Name:	Not reported
Schedule Document Type:	Not reported

FISHKING PROCESSORS/15TH ST (Continued) **S108206942**

Schedule Due Date: Not reported
Schedule Revised Date: Not reported

275
East
1/2-1
0.571 mi.
3015 ft.

2130 EAST VIOLET
2130 EAST VIOLET STREET
LOS ANGELES, CA 90021

ENVIROSTOR **S121475147**
VCP **N/A**
DEED

Relative:
Lower

Actual:
245 ft.

ENVIROSTOR:

Name:	2130 EAST VIOLET
Address:	2130 EAST VIOLET STREET
City,State,Zip:	LOS ANGELES, CA 90021
Facility ID:	60002573
Status:	Certified O&M - Land Use Restrictions Only
Status Date:	01/22/2020
Site Code:	301807
Site Type:	Voluntary Cleanup
Site Type Detailed:	Voluntary Agreement
Acres:	0.74
NPL:	NO
Regulatory Agencies:	SMBRP
Lead Agency:	SMBRP
Program Manager:	Folashade Simpson
Supervisor:	Juli Propes
Division Branch:	Cleanup Cypress
Assembly:	53
Senate:	24
Special Program:	Voluntary Agreement - Standard Voluntary Agreement
Restricted Use:	YES
Site Mgmt Req:	NONE SPECIFIED
Funding:	Responsible Party
Latitude:	34.03224
Longitude:	-118.2287
APN:	5166004002, 5166004003, 5166004022, 5166004023
Past Use:	NONE SPECIFIED
Potential COC:	NONE SPECIFIED
Confirmed COC:	NONE SPECIFIED
Potential Description:	NONE SPECIFIED
Alias Name:	5166004002
Alias Type:	APN
Alias Name:	5166004003
Alias Type:	APN
Alias Name:	5166004022
Alias Type:	APN
Alias Name:	5166004023
Alias Type:	APN
Alias Name:	301807
Alias Type:	Project Code (Site Code)
Alias Name:	60002573
Alias Type:	Envirostor ID Number

Completed Info:

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Land Use Restriction
Completed Date:	08/27/2019
Comments:	completed and recorded

2130 EAST VIOLET (Continued) **S121475147**

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 10/15/2020
Comments: Completed.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Standard Voluntary Agreement
Completed Date: 11/08/2017
Comments: VCA for Violet Street Finalized

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 10/16/2018
Comments: signed and completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 07/01/2020
Comments: Final and signed letter

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 09/27/2019
Comments: complete

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Report
Completed Date: 01/24/2018
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization Workplan
Completed Date: 04/19/2018
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Soils Management Plan
Completed Date: 05/04/2020
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fieldwork
Completed Date: 09/19/2018
Comments: Field work complete

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization Report

2130 EAST VIOLET (Continued) **S121475147**

Completed Date:	08/24/2019
Comments:	Not reported
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Quality Assurance Workplan
Completed Date:	04/24/2018
Comments:	Not reported
Future Area Name:	Not reported
Future Sub Area Name:	Not reported
Future Document Type:	Not reported
Future Due Date:	Not reported
Schedule Area Name:	Not reported
Schedule Sub Area Name:	Not reported
Schedule Document Type:	Not reported
Schedule Due Date:	Not reported
Schedule Revised Date:	Not reported

VCP:

Name:	2130 EAST VIOLET
Address:	2130 EAST VIOLET STREET
City,State,Zip:	LOS ANGELES, CA 90021
Facility ID:	60002573
Site Type:	Voluntary Cleanup
Site Type Detail:	Voluntary Agreement
Site Mgmt. Req.:	NONE SPECIFIED
Acres:	0.74
National Priorities List:	NO
Cleanup Oversight Agencies:	SMBRP
Lead Agency:	SMBRP
Lead Agency Description:	DTSC - Site Cleanup Program
Project Manager:	Folashade Simpson
Supervisor:	Juli Propes
Division Branch:	Cleanup Cypress
Site Code:	301807
Assembly:	53
Senate:	24
Special Programs Code:	Voluntary Agreement - Standard Voluntary Agreement
Status:	Certified O&M - Land Use Restrictions Only
Status Date:	01/22/2020
Restricted Use:	YES
Funding:	Responsible Party
Lat/Long:	34.03224 / -118.2287
APN:	5166004002, 5166004003, 5166004022, 5166004023
Past Use:	NONE SPECIFIED
Potential COC:	NONE SPECIFIED
Confirmed COC:	NONE SPECIFIED
Potential Description:	NONE SPECIFIED
Alias Name:	5166004002
Alias Type:	APN
Alias Name:	5166004003
Alias Type:	APN
Alias Name:	5166004022
Alias Type:	APN
Alias Name:	5166004023
Alias Type:	APN

2130 EAST VIOLET (Continued) **S121475147**

Alias Name: 301807
Alias Type: Project Code (Site Code)
Alias Name: 60002573
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Land Use Restriction
Completed Date: 08/27/2019
Comments: completed and recorded

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 10/15/2020
Comments: Completed.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Standard Voluntary Agreement
Completed Date: 11/08/2017
Comments: VCA for Violet Street Finalized

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 10/16/2018
Comments: signed and completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 07/01/2020
Comments: Final and signed letter

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 09/27/2019
Comments: complete

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Report
Completed Date: 01/24/2018
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization Workplan
Completed Date: 04/19/2018
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Soils Management Plan
Completed Date: 05/04/2020

2130 EAST VIOLET (Continued) **S121475147**

Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fieldwork
Completed Date: 09/19/2018
Comments: Field work complete

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization Report
Completed Date: 08/24/2019
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Quality Assurance Workplan
Completed Date: 04/24/2018
Comments: Not reported

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

DEED:
Name: 2130 EAST VIOLET
Address: 2130 EAST VIOLET STREET
City,State,Zip: LOS ANGELES, CA 90021
Envirostor ID: 60002573
Area: PROJECT WIDE
Sub Area: Not reported
Site Type: VOLUNTARY CLEANUP
Status: CERTIFIED O&M - LAND USE RESTRICTIONS ONLY
Agency: Not reported
Covenant Uploaded: Not reported
Deed Date(s): Not reported
File Name: Envirostor Land Use Restrictions

AY276 **BUTTERFIELD (SUN CHEMICAL CORPORATION)** **HIST Cal-Sites** **S105481902**
NE **590 SOUTH SANTA FE AVENUE** **N/A**
1/2-1 **LOS ANGELES, CA 90013**
0.582 mi.
3073 ft. **Site 1 of 2 in cluster AY**

Relative: Calsite:
Higher
Actual: Name: BUTTERFIELD (SUN CHEMICAL CORPORATION)
251 ft. Address: 590 SOUTH SANTA FE AVENUE
City: LOS ANGELES
Region: GLENDALE
Facility ID: 19281223
Facility Type: RP

BUTTERFIELD (SUN CHEMICAL CORPORATION) (Continued) **S105481902**

Type:	RESPONSIBLE PARTY
Branch:	SA
Branch Name:	SO CAL - GLENDALE
File Name:	Not reported
State Senate District:	04032002
Status:	ANNUAL WORKPLAN (AWP) - ACTIVE SITE
Status Name:	ANNUAL WORKPLAN - ACTIVE SITE
Lead Agency:	DEPT OF TOXIC SUBSTANCES CONTROL
NPL:	Not Listed
SIC Code:	28
SIC Name:	MANU - CHEMICALS & ALLIED PRODUCTS
Access:	Not reported
Cortese:	Not reported
Hazardous Ranking Score:	Not reported
Date Site Hazard Ranked:	Not reported
Groundwater Contamination:	Confirmed
Staff Member Responsible for Site:	CSULTANA
Supervisor Responsible for Site:	Not reported
Region Water Control Board:	Not reported
Region Water Control Board Name:	Not reported
Lat/Long Direction:	Not reported
Lat/Long (dms):	0 0 0 / 0 0 0
Lat/long Method:	Not reported
Lat/Long Description:	Not reported
State Assembly District Code:	46
State Senate District Code:	22
Facility ID:	19281223
Activity:	ORDER
Activity Name:	I/SE, IORSE, FFA, FFSRA, VCA, EA
AWP Code:	RAA
Proposed Budget:	0
AWP Completion Date:	Not reported
Revised Due Date:	Not reported
Comments Date:	02042002
Est Person-Yrs to complete:	0
Estimated Size:	Not reported
Request to Delete Activity:	Not reported
Activity Status:	AWP
Definition of Status:	ANNUAL WORKPLAN - ACTIVE SITE
Liquids Removed (Gals):	0
Liquids Treated (Gals):	0
Action Included Capping:	Not reported
Well Decommissioned:	Not reported
Action Included Fencing:	Not reported
Removal Action Certification:	Not reported
Activity Comments:	Not reported
For Commercial Reuse:	0
For Industrial Reuse:	0
For Residential Reuse:	0
Unknown Type:	0
Alternate Address:	590 SOUTH SANTA FE AVENUE
Alternate City,St,Zip:	LOS ANGELES, CA 90013
Background Info:	The site is located at 590 South Santa Fe Avenue, Los Angeles, California. The site consists of two land parcels totaling approximately 2.68 actes of land and is located witin an indus-industrial portion of the City of Los Angeles. Historically the site has been used for chemeical or paint manufacturing.

BUTTERFIELD (SUN CHEMICAL CORPORATION) (Continued) **S105481902**

Not reported
The site was formerly under the oversight of the California Regional Water Quality Control Board (CRWQCB). (CRWQCB) has overseen the site investiation and remediation since approximately 1986.
Not reported
Previous sampling activities have confirmed both soil and groundwater contamination. Contaminants of concern identified in the groundwater and soil include benzene, ethyl benzene, 1,1-dichlorethane, 1,1-dichloroethene, 4-methyl-2-pentanone (MIBK), toluene, and total xylene. The toluene, and xylene appear to be primarily located within the groundwater beneath the northern portion of the site whereas MIBK has been identified in the groundwater along the southwest corner of the site and may extend beyond the site boundary.

Comments Date: 01042002
Comments: Scoping meeting held between Bitterfield and DTSC to discuss
Comments Date: 01042002
Comments: further site characterization along with the Response Action
Comments Date: 01042002
Comments: Agreement (RAA).
Comments Date: 01162004
Comments: DTSC's comments on Work Scope for Pilot Study.
Comments Date: 02022005
Comments: Meeting with RP to Finalize the workplan.
Comments Date: 02042002
Comments: RAA approved and signed. Response Action Agreement - (RAA):
Comments Date: 02042002
Comments: Document agreed upon by proponent and DTSC. RAA describes task
Comments Date: 02042002
Comments: and timelines associated with project.
Comments Date: 02072002
Comments: Draft site characterization work plan (WP) submitted to DTSC,
Comments Date: 02072002
Comments: DTSC requested and revised WP and time task schedule by 3/8/02.
Comments Date: 03132002
Comments: DTSC notified that WP will be delivered by 3/22/02.
Comments Date: 03142004
Comments: The Greenfield Company submitted Air Sparge and Soil Va[por
Comments Date: 03142004
Comments: Extraction Pilot Study Test Report.
Comments Date: 03282005
Comments: Extended Pilot Testing Plan received.
Comments Date: 04032002
Comments: DTSC informed that WP will be hand delivered on 4/4/02.
Comments Date: 05192005
Comments: Extended Pilot Testing work started.
Comments Date: 06172002
Comments: Butterfield Trails Corporation submitted Site Characterization
Comments Date: 06172002
Comments: Update Investigation Workplan.
Comments Date: 07182003
Comments: Butterfield Trails Corporations submitted Draft Workplan to
Comments Date: 07182003
Comments: perform Interim Remediation Activities.
Comments Date: 08252003
Comments: DTSC's comments on Draft Workplan to perform Interim

BUTTERFIELD (SUN CHEMICAL CORPORATION) (Continued) **S105481902**

Comments Date:	08252003
Comments:	Remeditation Activities.
Comments Date:	09032002
Comments:	DTSC's comments on Site Characterization Update Investigation
Comments Date:	09032002
Comments:	Workplan.
Comments Date:	12072001
Comments:	DTSC commenced review of submitted documents for work previously
Comments Date:	12072001
Comments:	conducted on site.
Comments Date:	12102001
Comments:	Scoping meeting held between proponent and DTSC.
Comments Date:	12202001
Comments:	First Draft of Response Action Agreement (RAA) sent to
Comments Date:	12202001
Comments:	proponent and DTSC legal department.
ID Name:	Not reported
ID Value:	Not reported
Alternate Name:	BUTTERFIELD (SUN CHEMICAL CORPORATION)
Alternate Name:	Not reported
Special Programs Code:	CLEAN
Special Programs Name:	CLEAN LOAN PROGRAM

AY277 **UNITED TECHNOLOGIES INMONT COR** **ENVIROSTOR** **S101617157**
NE **590 S SANTA FE AVE** **VCP** **N/A**
1/2-1 **LOS ANGELES, CA 90013** **SWEEPS UST**
0.582 mi. **CA FID UST**
3073 ft. **Site 2 of 2 in cluster AY** **NPDES**
HAZMAT
Relative: **CIWQS**
Higher

Actual: **251 ft.**

ENVIROSTOR:

Name:	MTA/BUTTERFIELD
Address:	590 SOUTH SANTA FE AVENUE
City,State,Zip:	LOS ANGELES, CA 90013
Facility ID:	19281223
Status:	Active
Status Date:	12/07/2012
Site Code:	406000
Site Type:	Voluntary Cleanup
Site Type Detailed:	Voluntary Agreement
Acres:	2.68
NPL:	NO
Regulatory Agencies:	SMBRP
Lead Agency:	SMBRP
Program Manager:	Jessy Fierro
Supervisor:	Allan Plaza
Division Branch:	Cleanup Chatsworth
Assembly:	53
Senate:	24
Special Program:	CLEAN Loan Program
Restricted Use:	NO
Site Mgmt Req:	NONE SPECIFIED
Funding:	Responsible Party
Latitude:	34.03915
Longitude:	-118.2299
APN:	5164005001, 5164005002
Past Use:	PAINT MANUFACTURING

UNITED TECHNOLOGIES INMONT COR (Continued) **S101617157**

Potential COC: Benzene Lead Polynuclear aromatic hydrocarbons (PAHs TPH-diesel TPH-gas Cadmium and compounds Ethylbenzene Xylenes
Confirmed COC: Benzene Lead Polynuclear aromatic hydrocarbons (PAHs TPH-diesel TPH-gas Cadmium and compounds Ethylbenzene Xylenes
Potential Description: OTH, SOIL, SV
Alias Name: Sun Chemical
Alias Type: Alternate Name
Alias Name: 5164005001
Alias Type: APN
Alias Name: 5164005002
Alias Type: APN
Alias Name: 110033617254
Alias Type: EPA (FRS #)
Alias Name: SL0002048C00
Alias Type: GeoTracker Global ID
Alias Name: SL204761666
Alias Type: GeoTracker Global ID
Alias Name: SL2048C1697
Alias Type: GeoTracker Global ID
Alias Name: 301610
Alias Type: Project Code (Site Code)
Alias Name: 301701
Alias Type: Project Code (Site Code)
Alias Name: 406000
Alias Type: Project Code (Site Code)
Alias Name: 19281223
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization Workplan
Completed Date: 03/30/2005
Comments: Meeting scheduled to discuss the cost for the additional assessment.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fieldwork
Completed Date: 07/12/2017
Comments: DTSC site visit. Meeting with MTA and Arcadis regarding current and upcoming activities.

Completed Area Name: Shallow Soil
Completed Sub Area Name: Not reported
Completed Document Type: Fieldwork
Completed Date: 11/05/2015
Comments: Oversight during excavation.

Completed Area Name: Groundwater
Completed Sub Area Name: Not reported
Completed Document Type: Treatability Study Workplan
Completed Date: 06/24/2016
Comments: DTSC approved Pilot Workplan for bench scale test of Insitu Chemical Oxidation (ISCO).

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fact Sheets

UNITED TECHNOLOGIES INMONT COR (Continued) **S101617157**

Completed Date: 09/02/2015
Comments: The Factsheet will be distributed to the community informing them of the public comment period for the Draft Removal Action Workplan (RAW). Public comment period will occur from September 7 to October 7, 2015. The RAW describes cleanup options for the Site soil and a pilot study to test options for the deeper soil and groundwater.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Public Notice
Completed Date: 09/01/2015
Comments: The Public Notice will be published in the local newspapers.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization Report
Completed Date: 01/25/2017
Comments: Investigation Report describes additional delineation of the Site's contamination. DTSC approved the Report.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Pilot Study/Treatability Workplan
Completed Date: 12/24/2004
Comments: Plan proposed data gap investigation, air sparging and soil vapor extraction.

Completed Area Name: Soil
Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization Report
Completed Date: 06/30/2016
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Pilot/Treatability Study Report
Completed Date: 12/24/2004
Comments: Addendum includes response to DTSC comments and additional data from pilot study.

Completed Area Name: Groundwater
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 11/19/2021
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Pilot/Treatability Study Report
Completed Date: 02/27/2006
Comments: DTSC sent letter in reponse to Soil Vapor Extraction (SVE) Report.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Plan
Completed Date: 02/11/2008
Comments: Ground Water Monitoring Work scheduled.

UNITED TECHNOLOGIES INMONT COR (Continued) **S101617157**

Completed Area Name: Groundwater
Completed Sub Area Name: Not reported
Completed Document Type: Well Decommissioning Workplan
Completed Date: 06/10/2016
Comments: DTSC accepted Workplan.

Completed Area Name: Soil
Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization Report
Completed Date: 02/04/2015
Comments: Report summarizes investigation of underground storage tanks.

Completed Area Name: Groundwater
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 08/28/2014
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization Report
Completed Date: 07/30/1997
Comments: w

Completed Area Name: Soil
Completed Sub Area Name: Not reported
Completed Document Type: Fieldwork
Completed Date: 12/15/2015
Comments: Field oversight for excavation.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Workplan
Completed Date: 10/30/2015
Comments: The Removal Action Workplan, which includes excavation of contaminated soil and in situ chemical oxidation, has been approved.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Clean Loan Agreement
Completed Date: 02/04/2002
Comments: Response Action Agreement (RAA) approved and signed by proponent and DTSC.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Judgement
Completed Date: 02/09/2018
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 10/02/2020
Comments: Not reported

Completed Area Name: Groundwater

UNITED TECHNOLOGIES INMONT COR (Continued) **S101617157**

Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 11/25/2019
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization Workplan
Completed Date: 12/02/2013
Comments: Workplan approved to conduct sampling for data gaps.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fieldwork
Completed Date: 11/17/2013
Comments: Sampling activities have begun to delineate contamination.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Community Profile
Completed Date: 03/30/2016
Comments: Profile details Site information and community involvement activities.
Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 01/23/2014
Comments: Updated Cost Estimate completed.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 12/19/2014
Comments: Tech Memo to Cal/EPA.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Standard Voluntary Agreement
Completed Date: 03/11/2015
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 11/09/2015
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: CEQA - Responsible Agency Review
Completed Date: 10/30/2015
Comments: Addendum to MTA's EIS/EIR prepared to evaluate activities in the Removal Action Workplan. The activities in the RAW do not significantly alter the findings or conclusions reached in the previously certified EIS/EIR.

UNITED TECHNOLOGIES INMONT COR (Continued) **S101617157**

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 11/01/2016
Comments: DTSC projected cost estimate for remediation activities.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 08/01/2008
Comments: OK

Completed Area Name: Shallow Soil
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Completion Report
Completed Date: 03/22/2016
Comments: The Completion Report summarizes the removal of underground storage tanks and shallow soil excavation. DTSC approved Report. Soil contamination at greater depth and groundwater contamination needs to be completed.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization Report
Completed Date: 06/30/2014
Comments: Based on the elevated concentrations in the groundwater, DTSC requires submittal of a pilot study workplan that would evaluate potential remedies.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Treatability Study Report
Completed Date: 06/27/2018
Comments: DTSC provided comments to Metro and will meet in August to discuss changes to ISCO use.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Letter - Demand
Completed Date: 09/28/2008
Comments: DTSC sent first demand letter to RP to recover the CLEAN Loan.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Standard Voluntary Agreement
Completed Date: 04/08/2013
Comments: VCA signed by Butterfield owner and DTSC to conduct additional investigation and remediation, if necessary.

Completed Area Name: Soil
Completed Sub Area Name: Not reported
Completed Document Type: CEQA - Initial Study/ Environmental Impact Report
Completed Date: 08/12/2015
Comments: In accordance with CEQA, DTSC has reviewed the Environmental Impact Report (EIR) prepared by MTA for the MTA Westside Subway Extension Project (WSE) to ensure that CEQA requirements have been satisfied. The Butterfield/MTA Site will be developed as a maintenance yard for

UNITED TECHNOLOGIES INMONT COR (Continued) **S101617157**

the WSE. The EIR included activities associated with the RAW and thereby evaluated environmental impact(s) from the Site. The EIR can be found on MTA s website: http://www.metro.net/projects/westside/final-eis-eir/

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 02/27/2006
Comments: Letter and comments sent to RP.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization Workplan
Completed Date: 06/26/2008
Comments: Not reported

Completed Area Name: Groundwater
Completed Sub Area Name: Not reported
Completed Document Type: Well Decommissioning Report
Completed Date: 01/25/2017
Comments: The Report documents destruction of three groundwater monitoring wells and two vapor extraction wells.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fieldwork
Completed Date: 09/23/2016
Comments: Site visit by DTSC geologist, JNaginis.

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

VCP:
Name: MTA/BUTTERFIELD
Address: 590 SOUTH SANTA FE AVENUE
City,State,Zip: LOS ANGELES, CA 90013
Facility ID: 19281223
Site Type: Voluntary Cleanup
Site Type Detail: Voluntary Agreement
Site Mgmt. Req.: NONE SPECIFIED
Acres: 2.68
National Priorities List: NO
Cleanup Oversight Agencies: SMBRP
Lead Agency: SMBRP
Lead Agency Description: DTSC - Site Cleanup Program
Project Manager: Jessy Fierro
Supervisor: Allan Plaza
Division Branch: Cleanup Chatsworth
Site Code: 406000

UNITED TECHNOLOGIES INMONT COR (Continued) **S101617157**

Assembly:	53
Senate:	24
Special Programs Code:	CLEAN Loan Program
Status:	Active
Status Date:	12/07/2012
Restricted Use:	NO
Funding:	Responsible Party
Lat/Long:	34.03915 / -118.2299
APN:	5164005001, 5164005002
Past Use:	PAINT MANUFACTURING
Potential COC:	30003, 30013, 30019, 30024, 30025, 30108, 30272, 30593
Confirmed COC:	30003,30013,30019,30024,30025,30108,30272,30593
Potential Description:	OTH, SOIL, SV
Alias Name:	Sun Chemical
Alias Type:	Alternate Name
Alias Name:	5164005001
Alias Type:	APN
Alias Name:	5164005002
Alias Type:	APN
Alias Name:	110033617254
Alias Type:	EPA (FRS #)
Alias Name:	SL0002048C00
Alias Type:	GeoTracker Global ID
Alias Name:	SL204761666
Alias Type:	GeoTracker Global ID
Alias Name:	SL2048C1697
Alias Type:	GeoTracker Global ID
Alias Name:	301610
Alias Type:	Project Code (Site Code)
Alias Name:	301701
Alias Type:	Project Code (Site Code)
Alias Name:	406000
Alias Type:	Project Code (Site Code)
Alias Name:	19281223
Alias Type:	Envirostor ID Number

Completed Info:

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Site Characterization Workplan
Completed Date:	03/30/2005
Comments:	Meeting scheduled to discuss the cost for the additional assessment.
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Fieldwork
Completed Date:	07/12/2017
Comments:	DTSC site visit. Meeting with MTA and Arcadis regarding current and upcoming activities.
Completed Area Name:	Shallow Soil
Completed Sub Area Name:	Not reported
Completed Document Type:	Fieldwork
Completed Date:	11/05/2015
Comments:	Oversight during excavation.
Completed Area Name:	Groundwater
Completed Sub Area Name:	Not reported

UNITED TECHNOLOGIES INMONT COR (Continued) **S101617157**

Completed Document Type: Treatability Study Workplan
Completed Date: 06/24/2016
Comments: DTSC approved Pilot Workplan for bench scale test of Insitu Chemical Oxidation (ISCO).

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fact Sheets
Completed Date: 09/02/2015
Comments: The Factsheet will be distributed to the community informing them of the public comment period for the Draft Removal Action Workplan (RAW). Public comment period will occur from September 7 to October 7, 2015. The RAW describes cleanup options for the Site soil and a pilot study to test options for the deeper soil and groundwater.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Public Notice
Completed Date: 09/01/2015
Comments: The Public Notice will be published in the local newspapers.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization Report
Completed Date: 01/25/2017
Comments: Investigation Report describes additional delineation of the Site's contamination. DTSC approved the Report.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Pilot Study/Treatability Workplan
Completed Date: 12/24/2004
Comments: Plan proposed data gap investigation, air sparging and soil vapor extraction.

Completed Area Name: Soil
Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization Report
Completed Date: 06/30/2016
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Pilot/Treatability Study Report
Completed Date: 12/24/2004
Comments: Addendum includes response to DTSC comments and additional data from pilot study.

Completed Area Name: Groundwater
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 11/19/2021
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Pilot/Treatability Study Report

UNITED TECHNOLOGIES INMONT COR (Continued) **S101617157**

Completed Date: 02/27/2006
Comments: DTSC sent letter in reponse to Soil Vapor Extraction (SVE) Report.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Plan
Completed Date: 02/11/2008
Comments: Ground Water Monitoring Work scheduled.

Completed Area Name: Groundwater
Completed Sub Area Name: Not reported
Completed Document Type: Well Decommissioning Workplan
Completed Date: 06/10/2016
Comments: DTSC accepted Workplan.

Completed Area Name: Soil
Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization Report
Completed Date: 02/04/2015
Comments: Report summarizes investigation of underground storage tanks.

Completed Area Name: Groundwater
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 08/28/2014
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization Report
Completed Date: 07/30/1997
Comments: w

Completed Area Name: Soil
Completed Sub Area Name: Not reported
Completed Document Type: Fieldwork
Completed Date: 12/15/2015
Comments: Field oversight for excavation.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Workplan
Completed Date: 10/30/2015
Comments: The Removal Action Workplan, which includes excavation of contaminated soil and in situ chemical oxidation, has been approved.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Clean Loan Agreement
Completed Date: 02/04/2002
Comments: Response Action Agreement (RAA) approved and signed by proponent and DTSC.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Judgement
Completed Date: 02/09/2018

UNITED TECHNOLOGIES INMONT COR (Continued) **S101617157**

Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 10/02/2020
Comments: Not reported

Completed Area Name: Groundwater
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 11/25/2019
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization Workplan
Completed Date: 12/02/2013
Comments: Workplan approved to conduct sampling for data gaps.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fieldwork
Completed Date: 11/17/2013
Comments: Sampling activities have begun to delineate contamination.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Community Profile
Completed Date: 03/30/2016
Comments: Profile details Site information and community involvement activities.
Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 01/23/2014
Comments: Updated Cost Estimate completed.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 12/19/2014
Comments: Tech Memo to Cal/EPA.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Standard Voluntary Agreement
Completed Date: 03/11/2015
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 11/09/2015
Comments: Not reported

UNITED TECHNOLOGIES INMONT COR (Continued) **S101617157**

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: CEQA - Responsible Agency Review
Completed Date: 10/30/2015
Comments: Addendum to MTA's EIS/EIR prepared to evaluate activities in the Removal Action Workplan. The activities in the RAW do not significantly alter the findings or conclusions reached in the previously certified EIS/EIR.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 11/01/2016
Comments: DTSC projected cost estimate for remediation activities.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 08/01/2008
Comments: OK

Completed Area Name: Shallow Soil
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Completion Report
Completed Date: 03/22/2016
Comments: The Completion Report summarizes the removal of underground storage tanks and shallow soil excavation. DTSC approved Report. Soil contamination at greater depth and groundwater contamination needs to be completed.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization Report
Completed Date: 06/30/2014
Comments: Based on the elevated concentrations in the groundwater, DTSC requires submittal of a pilot study workplan that would evaluate potential remedies.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Treatability Study Report
Completed Date: 06/27/2018
Comments: DTSC provided comments to Metro and will meet in August to discuss changes to ISCO use.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Letter - Demand
Completed Date: 09/28/2008
Comments: DTSC sent first demand letter to RP to recover the CLEAN Loan.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Standard Voluntary Agreement
Completed Date: 04/08/2013
Comments: VCA signed by Butterfield owner and DTSC to conduct additional investigation and remediation, if necessary.

UNITED TECHNOLOGIES INMONT COR (Continued) **S101617157**

Completed Area Name:	Soil
Completed Sub Area Name:	Not reported
Completed Document Type:	CEQA - Initial Study/ Environmental Impact Report
Completed Date:	08/12/2015
Comments:	In accordance with CEQA, DTSC has reviewed the Environmental Impact Report (EIR) prepared by MTA for the MTA Westside Subway Extension Project (WSE) to ensure that CEQA requirements have been satisfied. The Butterfield/MTA Site will be developed as a maintenance yard for the WSE. The EIR included activities associated with the RAW and thereby evaluated environmental impact(s) from the Site. The EIR can be found on MTA s website: http://www.metro.net/projects/westside/final-eis-eir/
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Monitoring Report
Completed Date:	02/27/2006
Comments:	Letter and comments sent to RP.
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Site Characterization Workplan
Completed Date:	06/26/2008
Comments:	Not reported
Completed Area Name:	Groundwater
Completed Sub Area Name:	Not reported
Completed Document Type:	Well Decommissioning Report
Completed Date:	01/25/2017
Comments:	The Report documents destruction of three groundwater monitoring wells and two vapor extraction wells.
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Fieldwork
Completed Date:	09/23/2016
Comments:	Site visit by DTSC geologist, JNaginis.
Future Area Name:	Not reported
Future Sub Area Name:	Not reported
Future Document Type:	Not reported
Future Due Date:	Not reported
Schedule Area Name:	Not reported
Schedule Sub Area Name:	Not reported
Schedule Document Type:	Not reported
Schedule Due Date:	Not reported
Schedule Revised Date:	Not reported

SWEEPS UST:

Name:	UNITED TECHNOLOGIES INMONT COR
Address:	590 S SANTA FE AVE
City:	LOS ANGELES
Status:	Not reported
Comp Number:	1318
Number:	Not reported
Board Of Equalization:	44-011727
Referral Date:	Not reported

UNITED TECHNOLOGIES INMONT COR (Continued) **S101617157**

Action Date:	Not reported
Created Date:	Not reported
Owner Tank Id:	Not reported
SWRCB Tank Id:	19-050-001318-000001
Tank Status:	Not reported
Capacity:	15000
Active Date:	Not reported
Tank Use:	CHEMICAL
STG:	PRODUCT
Content:	UNKNOWN
Number Of Tanks:	20

Name:	UNITED TECHNOLOGIES INMONT COR
Address:	590 S SANTA FE AVE
City:	LOS ANGELES
Status:	Not reported
Comp Number:	1318
Number:	Not reported
Board Of Equalization:	44-011727
Referral Date:	Not reported
Action Date:	Not reported
Created Date:	Not reported
Owner Tank Id:	Not reported
SWRCB Tank Id:	19-050-001318-000002
Tank Status:	Not reported
Capacity:	15000
Active Date:	Not reported
Tank Use:	CHEMICAL
STG:	PRODUCT
Content:	UNKNOWN
Number Of Tanks:	Not reported

Name:	UNITED TECHNOLOGIES INMONT COR
Address:	590 S SANTA FE AVE
City:	LOS ANGELES
Status:	Not reported
Comp Number:	1318
Number:	Not reported
Board Of Equalization:	44-011727
Referral Date:	Not reported
Action Date:	Not reported
Created Date:	Not reported
Owner Tank Id:	Not reported
SWRCB Tank Id:	19-050-001318-000003
Tank Status:	Not reported
Capacity:	10000
Active Date:	Not reported
Tank Use:	CHEMICAL
STG:	PRODUCT
Content:	UNKNOWN
Number Of Tanks:	Not reported

Name:	UNITED TECHNOLOGIES INMONT COR
Address:	590 S SANTA FE AVE
City:	LOS ANGELES
Status:	Not reported
Comp Number:	1318

UNITED TECHNOLOGIES INMONT COR (Continued) **S101617157**

Number:	Not reported
Board Of Equalization:	44-011727
Referral Date:	Not reported
Action Date:	Not reported
Created Date:	Not reported
Owner Tank Id:	Not reported
SWRCB Tank Id:	19-050-001318-000004
Tank Status:	Not reported
Capacity:	10000
Active Date:	Not reported
Tank Use:	CHEMICAL
STG:	PRODUCT
Content:	UNKNOWN
Number Of Tanks:	Not reported

Name:	UNITED TECHNOLOGIES INMONT COR
Address:	590 S SANTA FE AVE
City:	LOS ANGELES
Status:	Not reported
Comp Number:	1318
Number:	Not reported
Board Of Equalization:	44-011727
Referral Date:	Not reported
Action Date:	Not reported
Created Date:	Not reported
Owner Tank Id:	Not reported
SWRCB Tank Id:	19-050-001318-000005
Tank Status:	Not reported
Capacity:	10000
Active Date:	Not reported
Tank Use:	CHEMICAL
STG:	PRODUCT
Content:	UNKNOWN
Number Of Tanks:	Not reported

Name:	UNITED TECHNOLOGIES INMONT COR
Address:	590 S SANTA FE AVE
City:	LOS ANGELES
Status:	Not reported
Comp Number:	1318
Number:	Not reported
Board Of Equalization:	44-011727
Referral Date:	Not reported
Action Date:	Not reported
Created Date:	Not reported
Owner Tank Id:	Not reported
SWRCB Tank Id:	19-050-001318-000006
Tank Status:	Not reported
Capacity:	3000
Active Date:	Not reported
Tank Use:	CHEMICAL
STG:	PRODUCT
Content:	UNKNOWN
Number Of Tanks:	Not reported

Name:	UNITED TECHNOLOGIES INMONT COR
Address:	590 S SANTA FE AVE

UNITED TECHNOLOGIES INMONT COR (Continued) **S101617157**

City:	LOS ANGELES
Status:	Not reported
Comp Number:	1318
Number:	Not reported
Board Of Equalization:	44-011727
Referral Date:	Not reported
Action Date:	Not reported
Created Date:	Not reported
Owner Tank Id:	Not reported
SWRCB Tank Id:	19-050-001318-000007
Tank Status:	Not reported
Capacity:	10000
Active Date:	Not reported
Tank Use:	CHEMICAL
STG:	PRODUCT
Content:	UNKNOWN
Number Of Tanks:	Not reported

Name:	UNITED TECHNOLOGIES INMONT COR
Address:	590 S SANTA FE AVE
City:	LOS ANGELES
Status:	Not reported
Comp Number:	1318
Number:	Not reported
Board Of Equalization:	44-011727
Referral Date:	Not reported
Action Date:	Not reported
Created Date:	Not reported
Owner Tank Id:	Not reported
SWRCB Tank Id:	19-050-001318-000008
Tank Status:	Not reported
Capacity:	2662
Active Date:	Not reported
Tank Use:	CHEMICAL
STG:	PRODUCT
Content:	UNKNOWN
Number Of Tanks:	Not reported

Name:	UNITED TECHNOLOGIES INMONT COR
Address:	590 S SANTA FE AVE
City:	LOS ANGELES
Status:	Not reported
Comp Number:	1318
Number:	Not reported
Board Of Equalization:	44-011727
Referral Date:	Not reported
Action Date:	Not reported
Created Date:	Not reported
Owner Tank Id:	Not reported
SWRCB Tank Id:	19-050-001318-000009
Tank Status:	Not reported
Capacity:	10000
Active Date:	Not reported
Tank Use:	CHEMICAL
STG:	PRODUCT
Content:	UNKNOWN
Number Of Tanks:	Not reported

UNITED TECHNOLOGIES INMONT COR (Continued) **S101617157**

Name:	UNITED TECHNOLOGIES INMONT COR
Address:	590 S SANTA FE AVE
City:	LOS ANGELES
Status:	Not reported
Comp Number:	1318
Number:	Not reported
Board Of Equalization:	44-011727
Referral Date:	Not reported
Action Date:	Not reported
Created Date:	Not reported
Owner Tank Id:	Not reported
SWRCB Tank Id:	19-050-001318-000010
Tank Status:	Not reported
Capacity:	2662
Active Date:	Not reported
Tank Use:	CHEMICAL
STG:	PRODUCT
Content:	UNKNOWN
Number Of Tanks:	Not reported

Name:	UNITED TECHNOLOGIES INMONT COR
Address:	590 S SANTA FE AVE
City:	LOS ANGELES
Status:	Not reported
Comp Number:	1318
Number:	Not reported
Board Of Equalization:	44-011727
Referral Date:	Not reported
Action Date:	Not reported
Created Date:	Not reported
Owner Tank Id:	Not reported
SWRCB Tank Id:	19-050-001318-000011
Tank Status:	Not reported
Capacity:	2697
Active Date:	Not reported
Tank Use:	CHEMICAL
STG:	PRODUCT
Content:	UNKNOWN
Number Of Tanks:	Not reported

Name:	UNITED TECHNOLOGIES INMONT COR
Address:	590 S SANTA FE AVE
City:	LOS ANGELES
Status:	Not reported
Comp Number:	1318
Number:	Not reported
Board Of Equalization:	44-011727
Referral Date:	Not reported
Action Date:	Not reported
Created Date:	Not reported
Owner Tank Id:	Not reported
SWRCB Tank Id:	19-050-001318-000012
Tank Status:	Not reported
Capacity:	10000
Active Date:	Not reported
Tank Use:	CHEMICAL
STG:	PRODUCT

UNITED TECHNOLOGIES INMONT COR (Continued) **S101617157**

Content: UNKNOWN
Number Of Tanks: Not reported

Name: UNITED TECHNOLOGIES INMONT COR
Address: 590 S SANTA FE AVE
City: LOS ANGELES
Status: Not reported
Comp Number: 1318
Number: Not reported
Board Of Equalization: 44-011727
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 19-050-001318-000013
Tank Status: Not reported
Capacity: 10000
Active Date: Not reported
Tank Use: CHEMICAL
STG: PRODUCT
Content: UNKNOWN
Number Of Tanks: Not reported

Name: UNITED TECHNOLOGIES INMONT COR
Address: 590 S SANTA FE AVE
City: LOS ANGELES
Status: Not reported
Comp Number: 1318
Number: Not reported
Board Of Equalization: 44-011727
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 19-050-001318-000014
Tank Status: Not reported
Capacity: 2662
Active Date: Not reported
Tank Use: CHEMICAL
STG: PRODUCT
Content: UNKNOWN
Number Of Tanks: Not reported

Name: UNITED TECHNOLOGIES INMONT COR
Address: 590 S SANTA FE AVE
City: LOS ANGELES
Status: Not reported
Comp Number: 1318
Number: Not reported
Board Of Equalization: 44-011727
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 19-050-001318-000015
Tank Status: Not reported
Capacity: 3000

UNITED TECHNOLOGIES INMONT COR (Continued) **S101617157**

Active Date: Not reported
Tank Use: CHEMICAL
STG: PRODUCT
Content: UNKNOWN
Number Of Tanks: Not reported

Name: UNITED TECHNOLOGIES INMONT COR
Address: 590 S SANTA FE AVE
City: LOS ANGELES
Status: Not reported
Comp Number: 1318
Number: Not reported
Board Of Equalization: 44-011727
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 19-050-001318-000016
Tank Status: Not reported
Capacity: 5359
Active Date: Not reported
Tank Use: CHEMICAL
STG: PRODUCT
Content: UNKNOWN
Number Of Tanks: Not reported

Name: UNITED TECHNOLOGIES INMONT COR
Address: 590 S SANTA FE AVE
City: LOS ANGELES
Status: Not reported
Comp Number: 1318
Number: Not reported
Board Of Equalization: 44-011727
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 19-050-001318-000017
Tank Status: Not reported
Capacity: 30000
Active Date: Not reported
Tank Use: CHEMICAL
STG: PRODUCT
Content: UNKNOWN
Number Of Tanks: Not reported

Name: UNITED TECHNOLOGIES INMONT COR
Address: 590 S SANTA FE AVE
City: LOS ANGELES
Status: Not reported
Comp Number: 1318
Number: Not reported
Board Of Equalization: 44-011727
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported

UNITED TECHNOLOGIES INMONT COR (Continued) **S101617157**

SWRCB Tank Id: 19-050-001318-000018
Tank Status: Not reported
Capacity: 10000
Active Date: Not reported
Tank Use: CHEMICAL
STG: PRODUCT
Content: UNKNOWN
Number Of Tanks: Not reported

Name: UNITED TECHNOLOGIES INMONT COR
Address: 590 S SANTA FE AVE
City: LOS ANGELES
Status: Not reported
Comp Number: 1318
Number: Not reported
Board Of Equalization: 44-011727
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 19-050-001318-000019
Tank Status: Not reported
Capacity: 10000
Active Date: Not reported
Tank Use: CHEMICAL
STG: PRODUCT
Content: UNKNOWN
Number Of Tanks: Not reported

Name: UNITED TECHNOLOGIES INMONT COR
Address: 590 S SANTA FE AVE
City: LOS ANGELES
Status: Not reported
Comp Number: 1318
Number: Not reported
Board Of Equalization: 44-011727
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 19-050-001318-000020
Tank Status: Not reported
Capacity: 1000
Active Date: Not reported
Tank Use: CHEMICAL
STG: PRODUCT
Content: UNKNOWN
Number Of Tanks: Not reported

CA FID UST:
Facility ID: 19001362
Regulated By: UTNKI
Regulated ID: 00017676
Cortese Code: Not reported
SIC Code: Not reported
Facility Phone: 2136248276
Mail To: Not reported

UNITED TECHNOLOGIES INMONT COR (Continued) **S101617157**

Mailing Address:	590 S SANTA FE AVE
Mailing Address 2:	Not reported
Mailing City,St,Zip:	LOS ANGELES 900130000
Contact:	Not reported
Contact Phone:	Not reported
DUNs Number:	Not reported
NPDES Number:	Not reported
EPA ID:	Not reported
Comments:	Not reported
Status:	Inactive

NPDES:

Name:	METRO LOCATION 61 SOUTH
Address:	590 S SANTA FE AVENUE
City,State,Zip:	LOS ANGELES, CA 90012
Facility Status:	Terminated
NPDES Number:	CAS000002
Region:	4
Agency Number:	0
Regulatory Measure ID:	456018
Place ID:	Not reported
Order Number:	2009-0009-DWQ
WDID:	4 19C374030
Regulatory Measure Type:	Enrollee
Program Type:	Construction
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	09/17/2015
Termination Date Of Regulatory Measure:	11/05/2019
Expiration Date Of Regulatory Measure:	Not reported
Discharge Address:	One Gateway Plaza MS 99 16 52
Discharge Name:	Los Angeles County Metropolitan Transportation Authority
Discharge City:	Los Angeles
Discharge State:	California
Discharge Zip:	90012
Status:	Not reported
Status Date:	Not reported
Operator Name:	Not reported
Operator Address:	Not reported
Operator City:	Not reported
Operator State:	Not reported
Operator Zip:	Not reported

NPDES as of 03/2018:

NPDES Number:	Not reported
Status:	Not reported
Agency Number:	Not reported
Region:	4
Regulatory Measure ID:	456018
Order Number:	Not reported
Regulatory Measure Type:	Construction
Place ID:	Not reported
WDID:	4 19C374030
Program Type:	Not reported
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported

UNITED TECHNOLOGIES INMONT COR (Continued) **S101617157**

Discharge Name:	Not reported
Discharge Address:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
Received Date:	09/14/2015
Processed Date:	09/17/2015
Status:	Active
Status Date:	09/17/2015
Place Size:	2.9
Place Size Unit:	Acres
Contact:	Damien DeLaura
Contact Title:	Project Executive
Contact Phone:	310-925-9102
Contact Phone Ext:	Not reported
Contact Email:	damien.delaura@clarkconstruction.com
Operator Name:	Los Angeles County Metropolitan Transportation Authority
Operator Address:	One Gateway Plaza MS 99 17 2
Operator City:	Los Angeles
Operator State:	California
Operator Zip:	90012
Operator Contact:	Emmanuel Liban
Operator Contact Title:	Not reported
Operator Contact Phone:	213-922-2471
Operator Contact Phone Ext:	Not reported
Operator Contact Email:	libane@metro.net
Operator Type:	County Agency
Developer:	Clark Construction Group California LP
Developer Address:	18201 Von Karman Avenue
Developer City:	Irvine
Developer State:	California
Developer Zip:	92612
Developer Contact:	Damien DeLaura
Developer Contact Title:	Project Executive
Constype Linear Utility Ind:	N
Emergency Phone:	770-500-5866
Emergency Phone Ext:	Not reported
Constype Above Ground Ind:	N
Constype Below Ground Ind:	N
Constype Cable Line Ind:	N
Constype Comm Line Ind:	N
Constype Commertial Ind:	N
Constype Electrical Line Ind:	N
Constype Gas Line Ind:	N
Constype Industrial Ind:	N
Constype Other Description:	Not reported
Constype Other Ind:	N
Constype Recons Ind:	N
Constype Residential Ind:	N
Constype Transport Ind:	N
Constype Utility Description:	Not reported
Constype Utility Ind:	N
Constype Water Sewer Ind:	N
Dir Discharge Uswater Ind:	N
Receiving Water Name:	Los Angeles River
Certifier:	Emmanuel Liban
Certifier Title:	Executive Officer, Environmental Compliance/Sustainability

UNITED TECHNOLOGIES INMONT COR (Continued) **S101617157**

Certification Date:	14-SEP-15
Primary Sic:	Not reported
Secondary Sic:	Not reported
Tertiary Sic:	Not reported
NPDES Number:	CAS000002
Status:	Active
Agency Number:	0
Region:	4
Regulatory Measure ID:	456018
Order Number:	2009-0009-DWQ
Regulatory Measure Type:	Enrollee
Place ID:	Not reported
WDID:	4 19C374030
Program Type:	Construction
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	09/17/2015
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	Los Angeles County Metropolitan Transportation Authority
Discharge Address:	One Gateway Plaza MS 99 17 2
Discharge City:	Los Angeles
Discharge State:	California
Discharge Zip:	90012
Received Date:	Not reported
Processed Date:	Not reported
Status:	Not reported
Status Date:	Not reported
Place Size:	Not reported
Place Size Unit:	Not reported
Contact:	Not reported
Contact Title:	Not reported
Contact Phone:	Not reported
Contact Phone Ext:	Not reported
Contact Email:	Not reported
Operator Name:	Not reported
Operator Address:	Not reported
Operator City:	Not reported
Operator State:	Not reported
Operator Zip:	Not reported
Operator Contact:	Not reported
Operator Contact Title:	Not reported
Operator Contact Phone:	Not reported
Operator Contact Phone Ext:	Not reported
Operator Contact Email:	Not reported
Operator Type:	Not reported
Developer:	Not reported
Developer Address:	Not reported
Developer City:	Not reported
Developer State:	Not reported
Developer Zip:	Not reported
Developer Contact:	Not reported
Developer Contact Title:	Not reported
Constype Linear Utility Ind:	Not reported
Emergency Phone:	Not reported
Emergency Phone Ext:	Not reported
Constype Above Ground Ind:	Not reported

UNITED TECHNOLOGIES INMONT COR (Continued) **S101617157**

Constype Below Ground Ind:	Not reported
Constype Cable Line Ind:	Not reported
Constype Comm Line Ind:	Not reported
Constype Commertial Ind:	Not reported
Constype Electrical Line Ind:	Not reported
Constype Gas Line Ind:	Not reported
Constype Industrial Ind:	Not reported
Constype Other Description:	Not reported
Constype Other Ind:	Not reported
Constype Recons Ind:	Not reported
Constype Residential Ind:	Not reported
Constype Transport Ind:	Not reported
Constype Utility Description:	Not reported
Constype Utility Ind:	Not reported
Constype Water Sewer Ind:	Not reported
Dir Discharge Uswater Ind:	Not reported
Receiving Water Name:	Not reported
Certifier:	Not reported
Certifier Title:	Not reported
Certification Date:	Not reported
Primary Sic:	Not reported
Secondary Sic:	Not reported
Tertiary Sic:	Not reported

Name:	METRO LOCATION 61 SOUTH
Address:	590 S SANTA FE AVENUE
City,State,Zip:	LOS ANGELES, CA 90012
Facility Status:	Not reported
NPDES Number:	Not reported
Region:	Not reported
Agency Number:	Not reported
Regulatory Measure ID:	Not reported
Place ID:	Not reported
Order Number:	Not reported
WDID:	4 19C374030
Regulatory Measure Type:	Construction
Program Type:	Not reported
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Discharge Address:	Not reported
Discharge Name:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
Status:	Terminated
Status Date:	02/24/2020
Operator Name:	Los Angeles County Metropolitan Transportation Authority
Operator Address:	One Gateway Plaza MS 99 16 52
Operator City:	Los Angeles
Operator State:	California
Operator Zip:	90012

NPDES as of 03/2018:

NPDES Number:	Not reported
Status:	Not reported

UNITED TECHNOLOGIES INMONT COR (Continued) **S101617157**

Agency Number:	Not reported
Region:	4
Regulatory Measure ID:	456018
Order Number:	Not reported
Regulatory Measure Type:	Construction
Place ID:	Not reported
WDID:	4 19C374030
Program Type:	Not reported
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	Not reported
Discharge Address:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
Received Date:	09/14/2015
Processed Date:	09/17/2015
Status:	Active
Status Date:	09/17/2015
Place Size:	2.9
Place Size Unit:	Acres
Contact:	Damien DeLaura
Contact Title:	Project Executive
Contact Phone:	310-925-9102
Contact Phone Ext:	Not reported
Contact Email:	damien.delaura@clarkconstruction.com
Operator Name:	Los Angeles County Metropolitan Transportation Authority
Operator Address:	One Gateway Plaza MS 99 17 2
Operator City:	Los Angeles
Operator State:	California
Operator Zip:	90012
Operator Contact:	Emmanuel Liban
Operator Contact Title:	Not reported
Operator Contact Phone:	213-922-2471
Operator Contact Phone Ext:	Not reported
Operator Contact Email:	libane@metro.net
Operator Type:	County Agency
Developer:	Clark Construction Group California LP
Developer Address:	18201 Von Karman Avenue
Developer City:	Irvine
Developer State:	California
Developer Zip:	92612
Developer Contact:	Damien DeLaura
Developer Contact Title:	Project Executive
Constype Linear Utility Ind:	N
Emergency Phone:	770-500-5866
Emergency Phone Ext:	Not reported
Constype Above Ground Ind:	N
Constype Below Ground Ind:	N
Constype Cable Line Ind:	N
Constype Comm Line Ind:	N
Constype Commertial Ind:	N
Constype Electrical Line Ind:	N
Constype Gas Line Ind:	N
Constype Industrial Ind:	N

UNITED TECHNOLOGIES INMONT COR (Continued) **S101617157**

Constype Other Description:	Not reported
Constype Other Ind:	N
Constype Recons Ind:	N
Constype Residential Ind:	N
Constype Transport Ind:	N
Constype Utility Description:	Not reported
Constype Utility Ind:	N
Constype Water Sewer Ind:	N
Dir Discharge Uswater Ind:	N
Receiving Water Name:	Los Angeles River
Certifier:	Emmanuel Liban
Certifier Title:	Executive Officer, Environmental Compliance/Sustainability
Certification Date:	14-SEP-15
Primary Sic:	Not reported
Secondary Sic:	Not reported
Tertiary Sic:	Not reported
NPDES Number:	CAS000002
Status:	Active
Agency Number:	0
Region:	4
Regulatory Measure ID:	456018
Order Number:	2009-0009-DWQ
Regulatory Measure Type:	Enrollee
Place ID:	Not reported
WDID:	4 19C374030
Program Type:	Construction
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	09/17/2015
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	Los Angeles County Metropolitan Transportation Authority
Discharge Address:	One Gateway Plaza MS 99 17 2
Discharge City:	Los Angeles
Discharge State:	California
Discharge Zip:	90012
Received Date:	Not reported
Processed Date:	Not reported
Status:	Not reported
Status Date:	Not reported
Place Size:	Not reported
Place Size Unit:	Not reported
Contact:	Not reported
Contact Title:	Not reported
Contact Phone:	Not reported
Contact Phone Ext:	Not reported
Contact Email:	Not reported
Operator Name:	Not reported
Operator Address:	Not reported
Operator City:	Not reported
Operator State:	Not reported
Operator Zip:	Not reported
Operator Contact:	Not reported
Operator Contact Title:	Not reported
Operator Contact Phone:	Not reported
Operator Contact Phone Ext:	Not reported
Operator Contact Email:	Not reported

UNITED TECHNOLOGIES INMONT COR (Continued) **S101617157**

Operator Type:	Not reported
Developer:	Not reported
Developer Address:	Not reported
Developer City:	Not reported
Developer State:	Not reported
Developer Zip:	Not reported
Developer Contact:	Not reported
Developer Contact Title:	Not reported
Constype Linear Utility Ind:	Not reported
Emergency Phone:	Not reported
Emergency Phone Ext:	Not reported
Constype Above Ground Ind:	Not reported
Constype Below Ground Ind:	Not reported
Constype Cable Line Ind:	Not reported
Constype Comm Line Ind:	Not reported
Constype Commertial Ind:	Not reported
Constype Electrical Line Ind:	Not reported
Constype Gas Line Ind:	Not reported
Constype Industrial Ind:	Not reported
Constype Other Description:	Not reported
Constype Other Ind:	Not reported
Constype Recons Ind:	Not reported
Constype Residential Ind:	Not reported
Constype Transport Ind:	Not reported
Constype Utility Description:	Not reported
Constype Utility Ind:	Not reported
Constype Water Sewer Ind:	Not reported
Dir Discharge Uswater Ind:	Not reported
Receiving Water Name:	Not reported
Certifier:	Not reported
Certifier Title:	Not reported
Certification Date:	Not reported
Primary Sic:	Not reported
Secondary Sic:	Not reported
Tertiary Sic:	Not reported

LOS ANGELES HM:

Name:	INMONT CORPORATION
Address:	590 S SANTA FE AVE
City,State,Zip:	LOS ANGELES, CA 90013
Facility ID:	FA0002279
Last Run Date:	11/01/2022
Status:	INACTIVE

CIWQS:

Name:	METRO LOCATION 61 SOUTH
Address:	590 S SANTA FE AVENUE
City,State,Zip:	LOS ANGELES, CA 90012
Agency:	Los Angeles County Metropolitan Transportation Authority
Agency Address:	One Gateway Plaza MS 99 16 52, Los Angeles, CA 90012
Place/Project Type:	Construction
SIC/NAICS:	Not reported
Region:	4
Program:	CONSTW
Regulatory Measure Status:	Terminated

UNITED TECHNOLOGIES INMONT COR (Continued) **S101617157**

Regulatory Measure Type:	Storm water construction
Order Number:	2009-0009-DWQ
WDID:	4 19C374030
NPDES Number:	CAS000002
Adoption Date:	Not reported
Effective Date:	09/17/2015
Termination Date:	11/05/2019
Expiration/Review Date:	Not reported
Design Flow:	Not reported
Major/Minor:	Not reported
Complexity:	Not reported
TTWQ:	Not reported
Enforcement Actions within 5 years:	0
Violations within 5 years:	0
Latitude:	34.04022
Longitude:	-118.22997

278
SE
1/2-1
0.595 mi.
3141 ft.

PENSKE TRUCK LEASING CO., L.P.
2300 OLYMPIC BLVD
LOS ANGELES, CA 90021

ENVIROSTOR **U001560877**
VCP **N/A**
SWEEPS UST
HIST UST

Relative:
Lower

Actual:
234 ft.

ENVIROSTOR:

Name:	PENSKE TRUCK LEASING PROPERTY
Address:	2300 EAST OLYMPIC BOULEVARD
City,State,Zip:	LOS ANGELES, CA 90021
Facility ID:	60001416
Status:	No Further Action
Status Date:	01/31/2012
Site Code:	301519
Site Type:	Voluntary Cleanup
Site Type Detailed:	Voluntary Agreement
Acres:	1.86
NPL:	NO
Regulatory Agencies:	SMBRP
Lead Agency:	SMBRP
Program Manager:	Not reported
Supervisor:	Javier Hinojosa
Division Branch:	Cleanup Chatsworth
Assembly:	53
Senate:	24
Special Program:	Voluntary Agreement - Standard Voluntary Agreement
Restricted Use:	NO
Site Mgmt Req:	NONE SPECIFIED
Funding:	Responsible Party
Latitude:	34.02547
Longitude:	-118.232
APN:	5167-009-008.
Past Use:	UNDERGROUND STORAGE TANKS
Potential COC:	Tetrachloroethylene (PCE TPH-diesel
Confirmed COC:	Tetrachloroethylene (PCE TPH-diesel
Potential Description:	SOIL, SV
Alias Name:	5167-009-008.
Alias Type:	APN
Alias Name:	301519
Alias Type:	Project Code (Site Code)
Alias Name:	60001416

PENSKE TRUCK LEASING CO., L.P. (Continued) **U001560877**

Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: No Further Action Letter
Completed Date: 08/26/2011
Comments: NFA Issued.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Cost Recovery Closeout Memo
Completed Date: 10/18/2011
Comments: Sent to CRU

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Phase 1
Completed Date: 03/07/2011
Comments: Document was submitted as background information on 3/7/2011. DTSC did not review or approved document.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Report
Completed Date: 08/26/2011
Comments: NFA issued

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Voluntary Cleanup Agreement Termination Notification
Completed Date: 09/08/2011
Comments: VCA end letter sent.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Standard Voluntary Agreement
Completed Date: 03/01/2011
Comments: VCA executed

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

VCP:
Name: PENSKE TRUCK LEASING PROPERTY
Address: 2300 EAST OLYMPIC BOULEVARD
City,State,Zip: LOS ANGELES, CA 90021
Facility ID: 60001416
Site Type: Voluntary Cleanup
Site Type Detail: Voluntary Agreement

PENSKE TRUCK LEASING CO., L.P. (Continued) **U001560877**

Site Mgmt. Req.:	NONE SPECIFIED
Acres:	1.86
National Priorities List:	NO
Cleanup Oversight Agencies:	SMBRP
Lead Agency:	SMBRP
Lead Agency Description:	DTSC - Site Cleanup Program
Project Manager:	Not reported
Supervisor:	Javier Hinojosa
Division Branch:	Cleanup Chatsworth
Site Code:	301519
Assembly:	53
Senate:	24
Special Programs Code:	Voluntary Agreement - Standard Voluntary Agreement
Status:	No Further Action
Status Date:	01/31/2012
Restricted Use:	NO
Funding:	Responsible Party
Lat/Long:	34.02547 / -118.232
APN:	5167-009-008.
Past Use:	UNDERGROUND STORAGE TANKS
Potential COC:	30022, 30024
Confirmed COC:	30022,30024
Potential Description:	SOIL, SV
Alias Name:	5167-009-008.
Alias Type:	APN
Alias Name:	301519
Alias Type:	Project Code (Site Code)
Alias Name:	60001416
Alias Type:	Envirostor ID Number

Completed Info:

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	No Further Action Letter
Completed Date:	08/26/2011
Comments:	NFA Issued.
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Cost Recovery Closeout Memo
Completed Date:	10/18/2011
Comments:	Sent to CRU
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Phase 1
Completed Date:	03/07/2011
Comments:	Document was submitted as background information on 3/7/2011. DTSC did not review or approved document.
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Preliminary Endangerment Assessment Report
Completed Date:	08/26/2011
Comments:	NFA issued
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported

PENSKE TRUCK LEASING CO., L.P. (Continued) **U001560877**

Completed Document Type: Voluntary Cleanup Agreement Termination Notification
Completed Date: 09/08/2011
Comments: VCA end letter sent.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Standard Voluntary Agreement
Completed Date: 03/01/2011
Comments: VCA executed

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

SWEEPS UST:
Name: PENSKE TRUCK LEASING CO., L.P.
Address: 2300 OLYMPIC BLVD
City: LOS ANGELES
Status: Active
Comp Number: 6013
Number: 1
Board Of Equalization: Not reported
Referral Date: 01-19-94
Action Date: 01-19-94
Created Date: 02-29-88
Owner Tank Id: Not reported
SWRCB Tank Id: 19-050-006013-000001
Tank Status: A
Capacity: 12000
Active Date: 01-19-94
Tank Use: M.V. FUEL
STG: P
Content: REG UNLEADED
Number Of Tanks: 1

HIST UST:
Name: HERTZ-PENSKI TRUCK LEASING IN
Address: 2300 OLYMPIC BLVD
City,State,Zip: LOS ANGELES, CA 90021
File Number: 00026b89
URL: https://documents.geotracker.waterboards.ca.gov/ustpdfs/pdf/00026b89.pdf
Region: STATE
Facility ID: 00000060894
Facility Type: Other
Other Type: TRUCK LEASING
Contact Name: MICHAEL J. DALY
Telephone: 2153207000
Owner Name: GILL CHILDS/OLYMPIC
Owner Address: 2300 OLYMPIC BLVD.
Owner City,St,Zip: LOS ANGELES, CA 90021

PENSKE TRUCK LEASING CO., L.P. (Continued) **U001560877**

Total Tanks:	0004
Tank Num:	001
Container Num:	453-1
Year Installed:	1961
Tank Capacity:	00010000
Tank Used for:	PRODUCT
Type of Fuel:	REGULAR
Container Construction Thickness:	Not reported
Leak Detection:	Visual, Stock Inventor
Tank Num:	002
Container Num:	453-2
Year Installed:	1961
Tank Capacity:	00010000
Tank Used for:	PRODUCT
Type of Fuel:	DIESEL
Container Construction Thickness:	Not reported
Leak Detection:	Visual, Stock Inventor
Tank Num:	003
Container Num:	453-3
Year Installed:	1961
Tank Capacity:	00000500
Tank Used for:	WASTE
Type of Fuel:	WASTE OIL
Container Construction Thickness:	Not reported
Leak Detection:	Visual, Stock Inventor
Tank Num:	004
Container Num:	453-4
Year Installed:	1961
Tank Capacity:	00000000
Tank Used for:	WASTE
Type of Fuel:	Not reported
Container Construction Thickness:	Not reported
Leak Detection:	Visual

Click here for Geo Tracker PDF:

AZ279 **WESTERN LEAD AND METAL CO (INTERNATIONAL LEAD CO.)** **SEMS 1001115052**
SSE **2182 EAST 11TH STREET** **HIST Cal-Sites CA0001368091**
1/2-1 **LOS ANGELES, CA 90021**
0.598 mi.
3157 ft. **Site 1 of 3 in cluster AZ**

Relative: **Lower**
Actual: **232 ft.**

SEMS:

Site ID:	0905311
EPA ID:	CA0001368091
Name:	WESTERN LEAD AND METAL CO (INTERNATIONAL LEAD CO.)
Address:	2182 EAST 11TH STREET
Address 2:	Not reported
City,State,Zip:	LOS ANGELES, CA 90021
Cong District:	25
FIPS Code:	06037
Latitude:	34.024444
Longitude:	-118.230000
FF:	N

WESTERN LEAD AND METAL CO (INTERNATIONAL LEAD CO.) (Continued) **1001115052**

NPL: Not on the NPL
Non NPL Status: Other Cleanup Activity: State-Lead Cleanup

SEMS Detail:

Region: 09
Site ID: 0905311
EPA ID: CA0001368091
Site Name: WESTERN LEAD AND METAL CO (INTERNATIONAL LEAD CO.)
NPL: N
FF: N
OU: 00
Action Code: PA
Action Name: PA
SEQ: 1
Start Date: Not reported
Finish Date: 1998-06-11 04:00:00
Qual: H
Current Action Lead: St Perf

Region: 09
Site ID: 0905311
EPA ID: CA0001368091
Site Name: WESTERN LEAD AND METAL CO (INTERNATIONAL LEAD CO.)
NPL: N
FF: N
OU: 00
Action Code: DS
Action Name: DISCVRY
SEQ: 1
Start Date: 1996-02-15 05:00:00
Finish Date: 1996-02-15 05:00:00
Qual: Not reported
Current Action Lead: St Perf

Region: 09
Site ID: 0905311
EPA ID: CA0001368091
Site Name: WESTERN LEAD AND METAL CO (INTERNATIONAL LEAD CO.)
NPL: N
FF: N
OU: 00
Action Code: VA
Action Name: OTHR CLEANUP
SEQ: 1
Start Date: Not reported
Finish Date: 1997-04-28 04:00:00
Qual: H
Current Action Lead: St Perf

Calsite:

Name: INTERNATIONAL LEAD CO.
Address: 2182 EAST 11TH STREET
City: LOS ANGELES
Region: GLENDALE
Facility ID: 19390044
Facility Type: RP

WESTERN LEAD AND METAL CO (INTERNATIONAL LEAD CO.) (Continued) **1001115052**

Type:	RESPONSIBLE PARTY
Branch:	SA
Branch Name:	SO CAL - GLENDALE
File Name:	Not reported
State Senate District:	04161996
Status:	ANNUAL WORKPLAN (AWP) - ACTIVE SITE
Status Name:	ANNUAL WORKPLAN - ACTIVE SITE
Lead Agency:	DEPT OF TOXIC SUBSTANCES CONTROL
NPL:	Not Listed
SIC Code:	39
SIC Name:	MISCELLANEOUS MANUFACTURING INDUSTRIES
Access:	Not reported
Cortese:	Not reported
Hazardous Ranking Score:	Not reported
Date Site Hazard Ranked:	Not reported
Groundwater Contamination:	Not reported
Staff Member Responsible for Site:	JFIERRO
Supervisor Responsible for Site:	Not reported
Region Water Control Board:	LA
Region Water Control Board Name:	LOS ANGELES
Lat/Long Direction:	Not reported
Lat/Long (dms):	0 0 0 / 0 0 0
Lat/long Method:	Not reported
Lat/Long Description:	SAN BERNARDINO BASELINE
State Assembly District Code:	46
State Senate District Code:	22
Facility ID:	19390044
Activity:	SS
Activity Name:	SITE SCREENING
AWP Code:	Not reported
Proposed Budget:	0
AWP Completion Date:	Not reported
Revised Due Date:	Not reported
Comments Date:	11071994
Est Person-Yrs to complete:	0
Estimated Size:	Not reported
Request to Delete Activity:	Not reported
Activity Status:	AWP
Definition of Status:	ANNUAL WORKPLAN - ACTIVE SITE
Liquids Removed (Gals):	0
Liquids Treated (Gals):	0
Action Included Capping:	Not reported
Well Decommissioned:	Not reported
Action Included Fencing:	Not reported
Removal Action Certification:	Not reported
Activity Comments:	Not reported
For Commercial Reuse:	0
For Industrial Reuse:	0
For Residential Reuse:	0
Unknown Type:	0
Facility ID:	19390044
Activity:	ORDER
Activity Name:	I/SE, IORSE, FFA, FFSRA, VCA, EA
AWP Code:	I&SE
Proposed Budget:	0
AWP Completion Date:	Not reported
Revised Due Date:	Not reported

WESTERN LEAD AND METAL CO (INTERNATIONAL LEAD CO.) (Continued) **1001115052**

Comments Date:	04281997
Est Person-Yrs to complete:	0
Estimated Size:	M
Request to Delete Activity:	Not reported
Activity Status:	AWP
Definition of Status:	ANNUAL WORKPLAN - ACTIVE SITE
Liquids Removed (Gals):	0
Liquids Treated (Gals):	0
Action Included Capping:	Not reported
Well Decommissioned:	Not reported
Action Included Fencing:	Not reported
Removal Action Certification:	Not reported
Activity Comments:	Not reported
For Commercial Reuse:	0
For Industrial Reuse:	0
For Residential Reuse:	0
Unknown Type:	0
Facility ID:	19390044
Activity:	RAW
Activity Name:	REMOVAL ACTION WORKPLAN
AWP Code:	QUEM
Proposed Budget:	0
AWP Completion Date:	Not reported
Revised Due Date:	Not reported
Comments Date:	07181997
Est Person-Yrs to complete:	0
Estimated Size:	Not reported
Request to Delete Activity:	Not reported
Activity Status:	AWP
Definition of Status:	ANNUAL WORKPLAN - ACTIVE SITE
Liquids Removed (Gals):	0
Liquids Treated (Gals):	0
Action Included Capping:	Not reported
Well Decommissioned:	Not reported
Action Included Fencing:	Not reported
Removal Action Certification:	Not reported
Activity Comments:	Not reported
For Commercial Reuse:	0
For Industrial Reuse:	0
For Residential Reuse:	0
Unknown Type:	0
Facility ID:	19390044
Activity:	CERT
Activity Name:	CERTIFICATION
AWP Code:	Not reported
Proposed Budget:	0
AWP Completion Date:	01302005
Revised Due Date:	Not reported
Comments Date:	Not reported
Est Person-Yrs to complete:	0
Estimated Size:	Not reported
Request to Delete Activity:	Not reported
Activity Status:	AWP
Definition of Status:	ANNUAL WORKPLAN - ACTIVE SITE
Liquids Removed (Gals):	0
Liquids Treated (Gals):	0
Action Included Capping:	Not reported

WESTERN LEAD AND METAL CO (INTERNATIONAL LEAD CO.) (Continued) **1001115052**

Well Decommissioned:	Not reported
Action Included Fencing:	Not reported
Removal Action Certification:	Not reported
Activity Comments:	Not reported
For Commercial Reuse:	0
For Industrial Reuse:	0
For Residential Reuse:	0
Unknown Type:	0
Facility ID:	19390044
Activity:	RA
Activity Name:	REMOVAL ACTION
AWP Code:	UPRR
Proposed Budget:	0
AWP Completion Date:	Not reported
Revised Due Date:	Not reported
Comments Date:	06251998
Est Person-Yrs to complete:	0
Estimated Size:	Not reported
Request to Delete Activity:	Not reported
Activity Status:	AWP
Definition of Status:	ANNUAL WORKPLAN - ACTIVE SITE
Liquids Removed (Gals):	2500
Liquids Treated (Gals):	2500
Action Included Capping:	Not reported
Well Decommissioned:	Not reported
Action Included Fencing:	Not reported
Removal Action Certification:	N
Activity Comments:	2,500 TONS OF SOIL REMOVED, TREATED AND DISPOSED OF TO A PERMITTEDDISPOSAL FACILITY.
For Commercial Reuse:	0
For Industrial Reuse:	0
For Residential Reuse:	0
Unknown Type:	0
Facility ID:	19390044
Activity:	CEQA
Activity Name:	CEQA INCLUDING NEGATIVE DECS
AWP Code:	NOE
Proposed Budget:	0
AWP Completion Date:	Not reported
Revised Due Date:	Not reported
Comments Date:	07181997
Est Person-Yrs to complete:	0
Estimated Size:	S
Request to Delete Activity:	Not reported
Activity Status:	AWP
Definition of Status:	ANNUAL WORKPLAN - ACTIVE SITE
Liquids Removed (Gals):	0
Liquids Treated (Gals):	0
Action Included Capping:	Not reported
Well Decommissioned:	Not reported
Action Included Fencing:	Not reported
Removal Action Certification:	Not reported
Activity Comments:	Not reported
For Commercial Reuse:	0
For Industrial Reuse:	0
For Residential Reuse:	0
Unknown Type:	0

WESTERN LEAD AND METAL CO (INTERNATIONAL LEAD CO.) (Continued) **1001115052**

Facility ID:	19390044
Activity:	RAW
Activity Name:	REMOVAL ACTION WORKPLAN
AWP Code:	UPRR
Proposed Budget:	0
AWP Completion Date:	Not reported
Revised Due Date:	Not reported
Comments Date:	07181997
Est Person-Yrs to complete:	0
Estimated Size:	S
Request to Delete Activity:	Not reported
Activity Status:	AWP
Definition of Status:	ANNUAL WORKPLAN - ACTIVE SITE
Liquids Removed (Gals):	0
Liquids Treated (Gals):	0
Action Included Capping:	Not reported
Well Decommissioned:	Not reported
Action Included Fencing:	Not reported
Removal Action Certification:	Not reported
Activity Comments:	Not reported
For Commercial Reuse:	0
For Industrial Reuse:	0
For Residential Reuse:	0
Unknown Type:	0
Facility ID:	19390044
Activity:	CEQA
Activity Name:	CEQA INCLUDING NEGATIVE DECS
AWP Code:	QUEM
Proposed Budget:	0
AWP Completion Date:	Not reported
Revised Due Date:	Not reported
Comments Date:	07181997
Est Person-Yrs to complete:	0
Estimated Size:	Not reported
Request to Delete Activity:	Not reported
Activity Status:	AWP
Definition of Status:	ANNUAL WORKPLAN - ACTIVE SITE
Liquids Removed (Gals):	0
Liquids Treated (Gals):	0
Action Included Capping:	Not reported
Well Decommissioned:	Not reported
Action Included Fencing:	Not reported
Removal Action Certification:	Not reported
Activity Comments:	Not reported
For Commercial Reuse:	0
For Industrial Reuse:	0
For Residential Reuse:	0
Unknown Type:	0
Facility ID:	19390044
Activity:	RA
Activity Name:	REMOVAL ACTION
AWP Code:	QUEM
Proposed Budget:	0
AWP Completion Date:	Not reported
Revised Due Date:	Not reported
Comments Date:	11181997
Est Person-Yrs to complete:	0

WESTERN LEAD AND METAL CO (INTERNATIONAL LEAD CO.) (Continued) **1001115052**

Estimated Size:	S
Request to Delete Activity:	Not reported
Activity Status:	AWP
Definition of Status:	ANNUAL WORKPLAN - ACTIVE SITE
Liquids Removed (Gals):	120
Liquids Treated (Gals):	0
Action Included Capping:	Not reported
Well Decommissioned:	Not reported
Action Included Fencing:	Not reported
Removal Action Certification:	N
Activity Comments:	Not reported
For Commercial Reuse:	50
For Industrial Reuse:	0
For Residential Reuse:	70
Unknown Type:	0
Facility ID:	19390044
Activity:	PEA
Activity Name:	PRELIMINARY ENDANGERMENT ASSESSMENT
AWP Code:	PEAE
Proposed Budget:	0
AWP Completion Date:	Not reported
Revised Due Date:	Not reported
Comments Date:	04152003
Est Person-Yrs to complete:	0
Estimated Size:	Not reported
Request to Delete Activity:	Not reported
Activity Status:	AWP
Definition of Status:	ANNUAL WORKPLAN - ACTIVE SITE
Liquids Removed (Gals):	0
Liquids Treated (Gals):	0
Action Included Capping:	Not reported
Well Decommissioned:	Not reported
Action Included Fencing:	Not reported
Removal Action Certification:	Not reported
Activity Comments:	Not reported
For Commercial Reuse:	0
For Industrial Reuse:	0
For Residential Reuse:	0
Unknown Type:	0
Facility ID:	19390044
Activity:	RAW
Activity Name:	REMOVAL ACTION WORKPLAN
AWP Code:	NOE
Proposed Budget:	0
AWP Completion Date:	09302004
Revised Due Date:	Not reported
Comments Date:	10212004
Est Person-Yrs to complete:	0
Estimated Size:	Not reported
Request to Delete Activity:	Not reported
Activity Status:	AWP
Definition of Status:	ANNUAL WORKPLAN - ACTIVE SITE
Liquids Removed (Gals):	0
Liquids Treated (Gals):	0
Action Included Capping:	Not reported
Well Decommissioned:	Not reported
Action Included Fencing:	Not reported

WESTERN LEAD AND METAL CO (INTERNATIONAL LEAD CO.) (Continued) **1001115052**

Removal Action Certification:	Not reported
Activity Comments:	Not reported
For Commercial Reuse:	0
For Industrial Reuse:	0
For Residential Reuse:	0
Unknown Type:	0
Facility ID:	19390044
Activity:	RA
Activity Name:	REMOVAL ACTION
AWP Code:	Not reported
Proposed Budget:	0
AWP Completion Date:	06302005
Revised Due Date:	Not reported
Comments Date:	Not reported
Est Person-Yrs to complete:	0
Estimated Size:	Not reported
Request to Delete Activity:	Not reported
Activity Status:	AWP
Definition of Status:	ANNUAL WORKPLAN - ACTIVE SITE
Liquids Removed (Gals):	0
Liquids Treated (Gals):	0
Action Included Capping:	Not reported
Well Decommissioned:	Not reported
Action Included Fencing:	Not reported
Removal Action Certification:	Not reported
Activity Comments:	Not reported
For Commercial Reuse:	0
For Industrial Reuse:	0
For Residential Reuse:	0
Unknown Type:	0
Alternate Address:	2182 EAST 11TH STREET
Alternate City,St,Zip:	LOS ANGELES, CA 90021
Background Info:	The Site is also known as the Western Lead and Metal Company Site. The Site is located in an industrial area near downtown Los Angeles and is surrounded by warehouses, food distributors, light manufacturing, and scrap metal recyclers. The Site is roughly bounded by 11th Street (Property), to the north, the Union Pacific Railroad right-of-way to the east, 14th Street, to the south, and Wilson Street to the west. The Site includes the property at 2182 East 11th Street, which was occupied by several different companies as a lead smelter from 1946 to 1965. The Western Lead Products Company operated a lead smelter on the Property from 1954 to 1960 under the name of Western Lead and Metal Company. After 1965, the Property was used for die-cast manufacturing operations. The Property is approximately 110 feet by 140 feet and is currently devoid of any buildings, and is secured by fencing. The other areas of the Site include: portions of the Union Pacific Railroad right-of-way, between 14th and 10th Streets; a narrow strip of the property occupied by Coast Produce; and a residencial property at the corner of Wilson and 14th Streets. Since 1991, several site assessments have been conducted. These assessments involved mostly surface soil sampling and analyses for metals including lead, antimony, and arsenic. In 1996, the Property was paved with three inches of asphalt to prevent exposure of the public to contaminated soil. In addition, DTSC collected several surface soil samples in the areas surrounding the Property. Extremely high levels of

WESTERN LEAD AND METAL CO (INTERNATIONAL LEAD CO.) (Continued) **1001115052**

lead (up to 574,000 ppm), antimony (up to 14,000 ppm), and arsenic (up to 920 ppm) were detected in the narrow strip along the southern and western boundaries of the Property; high levels of lead, copper, and zinc were detected along the railroad right-of-way; and elevated levels of lead (up to 1,450 ppm) were detected on the residential property. A Consent Order (Imminent and Substantial Endangerment) was entered into with Quemetco Inc., (an RSR Subsidiary) and Union Pacific Railroad Company. As required by the Order, in 1977, Quemetco completed an Emergency Removal Action at Areas 3 and 4 which are located at the perimeter of the Property and the residential property. Union Pacific has also conducted an Emergency Removal Action at Areas 1 and 2 (railroad right-of-wau). The Remedial Investigation found the extent of metal contamination. Currently, the Draft RAW, which proposes to place a 4-inch asphalt cover on the Property area and excavate soil, from the Site boundary, has been approved. The 30 day Public Comment Period starts on August 23 and ends September 22, 2004.

Comments Date: 01202004
Comments: DTSC sends letter to Quemetco requiring a submittal date for
Comments Date: 01202004
Comments: revised Draft RAW.
Comments Date: 02161996
Comments: Preliminary Assessment (PA) is being conducted by DTSC under
Comments Date: 02161996
Comments: contract with U.S. EPA.
Comments Date: 04152003
Comments: The Remedial Investigation is approved. The RI involved
Comments Date: 04152003
Comments: sampling of lead and other metals, and volatile organic
Comments Date: 04152003
Comments: compounds, particularly tetrachlorethene and
Comments Date: 04152003
Comments: 1,1,1-trichloroethane.
Comments Date: 04212004
Comments: Revised Draft RAW received. Further revisions required by DTSC.
Comments Date: 04212004
Comments: Draft RAW with additional revision received 7/28/04.
Comments Date: 04281997
Comments: Execution of Imminent and Substantial Endangerment Determination
Comments Date: 04281997
Comments: and Consent Order for investigation at the Western Lead and Metal
Comments Date: 04281997
Comments: Company site which includes both the International Lead Co. Site
Comments Date: 04281997
Comments: (Site Code 300591) and the Union Pacific Railroad Company track
Comments Date: 04281997
Comments: areas (Site Code 300628).
Comments Date: 05261998
Comments: RI/FS Workplan is approved.
Comments Date: 06251998
Comments: Excavation, treatment and disposal of 2,500 tons of metal
Comments Date: 06251998
Comments: contaminated soil from the UPRR rail track areas. The
Comments Date: 06251998
Comments: Implementation Report of Emergency Removal Action by Dames &
Comments Date: 06251998

WESTERN LEAD AND METAL CO (INTERNATIONAL LEAD CO.) (Continued) **1001115052**

Comments:	Moore for Areas 1 and 2 was approved.
Comments Date:	06301998
Comments:	Completed a Preliminary Assessment (PA) with sampling of the
Comments Date:	06301998
Comments:	site under contract with U.S. EPA.
Comments Date:	07181997
Comments:	An emergency removal action workplan (RAW-UPRR) was approved for
Comments Date:	07181997
Comments:	Union Pacific Railroad track areas along Lemon Street (between
Comments Date:	07181997
Comments:	10th & 14th Streets). These areas are designated as Areas 1 &
Comments Date:	07181997
Comments:	2. A notice of Exemption was also filed with the OPR as required
Comments Date:	07181997
Comments:	by the CEQA laws and guidelines. The RAW-UPRR included
Comments Date:	07181997
Comments:	excavation, treatment and disposal of contaminated soils in the
Comments Date:	07181997
Comments:	neighboring railroad right-of-way (track) areas of the
Comments Date:	07181997
Comments:	International Lead Company site. An emergency removal action
Comments Date:	07181997
Comments:	workplan (RAW-QUEMETCO) which proposed excavation and disposal
Comments Date:	07181997
Comments:	of contaminated soils, was approved for Areas 3 and 4 (perimeter
Comments Date:	07181997
Comments:	of Property and residential property). A Notice of exemption
Comments Date:	07181997
Comments:	was also filed with the OPR as required by the CEQA laws and
Comments Date:	07181997
Comments:	guidelines.
Comments Date:	08191999
Comments:	Remedial Investigation/Feasibility Study (RI/FS) Workplan was
Comments Date:	08191999
Comments:	implemented and field remedial investigation work was conducted
Comments Date:	08191999
Comments:	in July 1999. DTSC received draft data tables and maps.
Comments Date:	08222002
Comments:	DTSC submitted comments on revised RI, which included additional
Comments Date:	08222002
Comments:	sampling, and Risk Parameters Memo.
Comments Date:	08232004
Comments:	The Draft Removal Action Workplan is approved for public review
Comments Date:	08232004
Comments:	and comment. The 30 day Public Comment Period starts on August
Comments Date:	08232004
Comments:	23 and ends September 22, 2004.
Comments Date:	09112003
Comments:	DTSC sends comments on Draft Removal Action Workplan (submitted
Comments Date:	09112003
Comments:	5/30/03), requiring modifications/clarifications.
Comments Date:	09262003
Comments:	Quemetco requested an extension in submitting the revised Draft
Comments Date:	09262003
Comments:	Removal Action Workplan because Quemetco is evaluating the
Comments Date:	09262003
Comments:	remedy options and currently undergoing an appraisal of the

WESTERN LEAD AND METAL CO (INTERNATIONAL LEAD CO.) (Continued) **1001115052**

Comments Date:	09262003
Comments:	property.
Comments Date:	10212004
Comments:	The RAW proposes to address the lead & arsenic contaminated soil
Comments Date:	10212004
Comments:	by placing a four-inch asphalt cap on the property area (15,000
Comments Date:	10212004
Comments:	sq.ft.) and removing soil from nine impacted areas at the Site
Comments Date:	10212004
Comments:	boundary. Implementation is scheduled for end of January 2005.
Comments Date:	10312000
Comments:	Supplemental RI Workplan was approved by DTSC.
Comments Date:	11071994
Comments:	DTSC received an information letter for 3 possible hazardous
Comments Date:	11071994
Comments:	substance release sites allegedly associated with Quemetco/
Comments Date:	11071994
Comments:	RSR Corporation, a lead smelting company.
Comments Date:	11181997
Comments:	Soil removal (excavation) of lead-contaminated soils. The
Comments Date:	11181997
Comments:	Implementation Report for completion of the Emergency Removal
Comments Date:	11181997
Comments:	Action by Quemetco at Area 3 (Coast Produce Warehouse) and Area
Comments Date:	11181997
Comments:	4 (Residential property at 2151 E. 14th Street) was approved. An
Comments Date:	11181997
Comments:	estimated 120 tons of contaminated lead was excavated and
Comments Date:	11181997
Comments:	disposed of off-site.
Comments Date:	11292001
Comments:	Revised RI Report submitted to DTSC for review.
ID Name:	CALSTARS CODE
ID Value:	300591
ID Name:	EPA IDENTIFICATION NUMBER
ID Value:	CAO 001368091
Alternate Name:	WESTERN LEAD PRODUCTS COMPANY OF LA
Alternate Name:	QUEMETCO
Alternate Name:	INTERNATIONAL LEAD CO.
Alternate Name:	WESTERN LEAD AND METAL CO.
Alternate Name:	Not reported
Special Programs Code:	Not reported
Special Programs Name:	Not reported

AZ280 **QUEMETCO CORPORATION** **RESPONSE** **S112842372**
SSE **2182 E 11TH ST** **ENVIROSTOR** **N/A**
1/2-1 **LOS ANGELES, CA 90211** **DEED**
0.598 mi. **Cortese**
3157 ft. **Site 2 of 3 in cluster AZ** **HAZNET**
HAZMAT
Relative: **CERS**
Lower **HWTS**

Actual:
232 ft.

RESPONSE:

Name:	INTERNATIONAL LEAD CO. (A.K.A. WESTERN LEAD AND METAL CO.)
Address:	2182 EAST 11TH STREET
City,State,Zip:	LOS ANGELES, CA 90021
Facility ID:	19390044

QUEMETCO CORPORATION (Continued) **S112842372**

Site Type:	State Response
Site Type Detail:	State Response or NPL
Acres:	0.4
National Priorities List:	NO
Cleanup Oversight Agencies:	SMBRP
Lead Agency Description:	DTSC - Site Cleanup Program
Project Manager:	Jessy Fierro
Supervisor:	Allan Plaza
Division Branch:	Cleanup Chatsworth
Site Code:	300591
Site Mgmt. Req.:	NONE SPECIFIED
Assembly:	53
Senate:	24
Special Program Status:	Not reported
Status:	Certified / Operation & Maintenance
Status Date:	12/30/2007
Restricted Use:	YES
Funding:	Responsible Party
Latitude:	34.02421
Longitude:	-118.2338
APN:	5167-009-019, 5167009019
Past Use:	BATTERY RECLAMATION
Potential COC :	Arsenic Lead Antimony and compounds
Confirmed COC:	Antimony and compounds Arsenic Lead
Potential Description:	SOIL
Alias Name:	QUEMETCO
Alias Type:	Alternate Name
Alias Name:	WESTERN LEAD AND METAL CO.
Alias Type:	Alternate Name
Alias Name:	WESTERN LEAD PRODUCTS COMPANY OF LA
Alias Type:	Alternate Name
Alias Name:	WLM
Alias Type:	Alternate Name
Alias Name:	5167-009-019
Alias Type:	APN
Alias Name:	5167009019
Alias Type:	APN
Alias Name:	CAO001368091
Alias Type:	EPA Identification Number
Alias Name:	110033615176
Alias Type:	EPA (FRS #)
Alias Name:	300591
Alias Type:	Project Code (Site Code)
Alias Name:	19390044
Alias Type:	Envirostor ID Number

Completed Info:

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Technical Workplan
Completed Date:	02/10/2006
Comments:	Workplan for additional removal of soil is approved.
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Fieldwork
Completed Date:	01/30/2005
Comments:	Placed asphalt cover and excavated 9 locations.

QUEMETCO CORPORATION (Continued) **S112842372**

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Supplemental Site Investigation Workplan
Completed Date:	10/31/2000
Comments:	WP approved for further Soil and Soil gas investigation.
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Remedial Investigation Workplan
Completed Date:	05/26/1998
Comments:	Workplan to delineate soil contamination approved
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Other Report
Completed Date:	02/01/2011
Comments:	Not reported
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Land Use Restriction Monitoring Report
Completed Date:	10/12/2021
Comments:	Not reported
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Certification
Completed Date:	10/05/2006
Comments:	The Site removal activities included placing an asphalt cover on the property and removal of soil containing metals.
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	CEQA - Notice of Exemption
Completed Date:	10/21/2004
Comments:	NOE completed for Removal Action Workplan which describes installation of asphalt cap and soil removal.
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Land Use Restriction - Site Inspection/Visit
Completed Date:	06/27/2011
Comments:	Site visit completed. Asphalt cap intact.
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Land Use Restriction - Site Inspection/Visit
Completed Date:	07/10/2008
Comments:	Asphalt cover is in good condition. Pallet company occupies site.
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Operation & Maintenance Order/Agreement
Completed Date:	08/01/2007
Comments:	The Agreement describes maintenance of the asphalt cover in the former Western Lead and Metal property.

QUEMETCO CORPORATION (Continued) **S112842372**

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 11/25/2019
Comments: DTSC cost estimate for oversight.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Completion Report
Completed Date: 10/10/2006
Comments: Removal Action included placement of an asphalt cover in the property area and removal of 97 tons of soil contaminated with lead and arsenic.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Completion Report
Completed Date: 06/25/1998
Comments: Excavation, treatment and disposal of 2,500 tons of metal contaminated soil from the UPRR rail track areas. The Implementation Report of Emergency Removal Action by Dames & Moore for Areas 1 and 2 was approved.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Land Use Restriction Monitoring Report
Completed Date: 11/12/2015
Comments: DTSC accepted inspection report.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Land Use Restriction Monitoring Report
Completed Date: 12/19/2013
Comments: DTSC accepted Inspection/O&M Report.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: CEQA - Notice of Exemption
Completed Date: 07/18/1997
Comments: NOE for RAW at Property and residential area

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Consent Order
Completed Date: 04/28/1997
Comments: Execution of Imminent and Substantial Endangerment Determination and Consent Order for investigation at the Western Lead and Metal Company site which includes both the International Lead Co. Site (Site Code 300591) and the Union Pacific Railroad Company track areas (Site Code 300628).

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: CEQA - Notice of Exemption
Completed Date: 07/18/1997
Comments: A Notice of Exemption was completed for the RAW focusing on UPRR areas Not reported

QUEMETCO CORPORATION (Continued) **S112842372**

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Land Use Restriction
Completed Date: 08/01/2007
Comments: Land Use Covanent signed by DTSC and RSR to restrict property to industrial/commercial use and to maintain asphalt cover.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 10/25/2016
Comments: DTSC cost estimate for long term monitoring activities.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 10/01/2020
Comments: DTSC cost estimate for project oversight was emailed to Responsible Party.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fieldwork
Completed Date: 05/12/2006
Comments: Removal of soil and backfill at Wilson Street completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operation and Maintenance Report
Completed Date: 12/06/2013
Comments: O&M report summarized cap inspection and small repairs. DTSC accepted report.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Land Use Restriction Monitoring Report
Completed Date: 11/03/2014
Comments: Cap Inspection Report approved.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 11/05/1997
Comments: City of Los Angeles Investigation Report

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Assessment Report
Completed Date: 06/11/1998
Comments: Preliminary Assessment with sampling was completed. Sample results indicated elevated levels of lead.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Land Use Restriction - Site Inspection/Visit
Completed Date: 06/29/2018
Comments: Not reported

QUEMETCO CORPORATION (Continued) **S112842372**

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Annual Oversight Cost Estimate
Completed Date:	10/31/2014
Comments:	Completed
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Annual Oversight Cost Estimate
Completed Date:	11/17/2015
Comments:	Not reported
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	5 Year Review Reports
Completed Date:	06/28/2019
Comments:	DTSC approved the Five Year Review and concurs with its findings.
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Land Use Restriction - Site Inspection/Visit
Completed Date:	10/17/2013
Comments:	Site visit for LUC completed. Cap appears intact.
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Annual Oversight Cost Estimate
Completed Date:	01/28/2014
Comments:	Updated cost estimate sent to RP.
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Removal Action Workplan
Completed Date:	10/21/2004
Comments:	The RAW proposes to address the lead & arsenic contaminated soil by placing a four-inch asphalt cap on the property area (15,000 sq.ft.) and removing soil from nine impacted areas at the Site boundary. Implementation is scheduled for end of January 2005.
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Remedial Investigation Report
Completed Date:	04/15/2003
Comments:	The Remedial Investigation is approved. The RI involved sampling of lead and other metals, and volatile organic compounds, particularly tetrachlorethene and 1,1,1-trichloroethane.
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Removal Action Completion Report
Completed Date:	11/18/1997
Comments:	Soil removal (excavation) of lead-contaminated soils. The Implementation Report for completion of the Emergency Removal Action by Quemetco at Area 3 (Coast Produce Warehouse) and Area 4 (Residential property at 2151 E. 14th Street) was approved. An estimated 120 tons of contaminated lead was excavated and disposed of off-site.

QUEMETCO CORPORATION (Continued) **S112842372**

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Removal Action Workplan
Completed Date:	07/18/1997
Comments:	UPRR: A removal action workplan (RAW-UPRR) was approved for Union Pacific Railroad track areas along Lemon Street (between 10th & 14th Streets). These areas are designated as Areas 1 & 2. A Notice of Exemption was also filed with the OPR as required by the CEQA laws and guidelines. The RAW-UPRR included excavation, treatment and disposal of contaminated soils in the neighboring railroad right-of-way (track) areas of the International Lead Company site.
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Removal Action Workplan
Completed Date:	07/18/1997
Comments:	A removal action workplan (RAW-QUEMETCO) which proposed excavation and disposal of contaminated soils, was approved for Areas 3 and 4 (perimeter of Property and residential property). A Notice of exemption was also filed with the OPR as required by the CEQA laws and guidelines.
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Site Screening
Completed Date:	11/07/1994
Comments:	DTSC received an information letter for 3 possible hazardous substance release sites allegedly associated with Quemetco/ RSR Corporation, a lead smelting company.
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Public Notice
Completed Date:	05/04/2006
Comments:	Not reported
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Fact Sheets
Completed Date:	08/20/2004
Comments:	Not reported
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Fact Sheets
Completed Date:	08/20/2004
Comments:	Not reported
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Operation and Maintenance Plan
Completed Date:	06/28/2007
Comments:	Plan for maintenance of the 4-inch asphalt cover.
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Monitoring Report

QUEMETCO CORPORATION (Continued) **S112842372**

Completed Date:	11/30/2011
Comments:	Based on the Cap Maintenance Report, the cap continues to be monitored and maintained.
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	5 Year Review Reports
Completed Date:	12/31/2013
Comments:	The Five Year Review has been conducted for this site. DTSC finds that the asphalt cap has been maintained properly.
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Monitoring Report
Completed Date:	12/15/2016
Comments:	DTSC accepts report.
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	* Land Use Restriction Monitoring Report
Completed Date:	09/30/2009
Comments:	Not reported
Future Area Name:	PROJECT WIDE
Future Sub Area Name:	Not reported
Future Document Type:	5 Year Review Reports
Future Due Date:	2024
Schedule Area Name:	Not reported
Schedule Sub Area Name:	Not reported
Schedule Document Type:	Not reported
Schedule Due Date:	Not reported
Schedule Revised Date:	Not reported

ENVIROSTOR:

Name:	INTERNATIONAL LEAD CO. (A.K.A. WESTERN LEAD AND METAL CO.)
Address:	2182 EAST 11TH STREET
City,State,Zip:	LOS ANGELES, CA 90021
Facility ID:	19390044
Status:	Certified / Operation & Maintenance
Status Date:	12/30/2007
Site Code:	300591
Site Type:	State Response
Site Type Detailed:	State Response or NPL
Acres:	0.4
NPL:	NO
Regulatory Agencies:	SMBRP
Lead Agency:	SMBRP
Program Manager:	Jessy Fierro
Supervisor:	Allan Plaza
Division Branch:	Cleanup Chatsworth
Assembly:	53
Senate:	24
Special Program:	Not reported
Restricted Use:	YES
Site Mgmt Req:	NONE SPECIFIED
Funding:	Responsible Party
Latitude:	34.02421

QUEMETCO CORPORATION (Continued) **S112842372**

Longitude: -118.2338
APN: 5167-009-019, 5167009019
Past Use: BATTERY RECLAMATION
Potential COC: Arsenic Lead Antimony and compounds
Confirmed COC: Antimony and compounds Arsenic Lead
Potential Description: SOIL
Alias Name: QUEMETCO
Alias Type: Alternate Name
Alias Name: WESTERN LEAD AND METAL CO.
Alias Type: Alternate Name
Alias Name: WESTERN LEAD PRODUCTS COMPANY OF LA
Alias Type: Alternate Name
Alias Name: WLM
Alias Type: Alternate Name
Alias Name: 5167-009-019
Alias Type: APN
Alias Name: 5167009019
Alias Type: APN
Alias Name: CAO001368091
Alias Type: EPA Identification Number
Alias Name: 110033615176
Alias Type: EPA (FRS #)
Alias Name: 300591
Alias Type: Project Code (Site Code)
Alias Name: 19390044
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Workplan
Completed Date: 02/10/2006
Comments: Workplan for additional removal of soil is approved.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fieldwork
Completed Date: 01/30/2005
Comments: Placed asphalt cover and excavated 9 locations.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Supplemental Site Investigation Workplan
Completed Date: 10/31/2000
Comments: WP approved for further Soil and Soil gas investigation.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Investigation Workplan
Completed Date: 05/26/1998
Comments: Workplan to delineate soil contamination approved

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 02/01/2011
Comments: Not reported

QUEMETCO CORPORATION (Continued) **S112842372**

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Land Use Restriction Monitoring Report
Completed Date: 10/12/2021
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Certification
Completed Date: 10/05/2006
Comments: The Site removal activities included placing an asphalt cover on the property and removal of soil containing metals.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: CEQA - Notice of Exemption
Completed Date: 10/21/2004
Comments: NOE completed for Removal Action Workplan which describes installation of asphalt cap and soil removal.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Land Use Restriction - Site Inspection/Visit
Completed Date: 06/27/2011
Comments: Site visit completed. Asphalt cap intact.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Land Use Restriction - Site Inspection/Visit
Completed Date: 07/10/2008
Comments: Asphalt cover is in good condition. Pallet company occupies site.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operation & Maintenance Order/Agreement
Completed Date: 08/01/2007
Comments: The Agreement describes maintenance of the asphalt cover in the former Western Lead and Metal property.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 11/25/2019
Comments: DTSC cost estimate for oversight.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Completion Report
Completed Date: 10/10/2006
Comments: Removal Action included placement of an asphalt cover in the property area and removal of 97 tons of soil contaminated with lead and arsenic.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Completion Report
Completed Date: 06/25/1998

QUEMETCO CORPORATION (Continued) **S112842372**

Comments:	Excavation, treatment and disposal of 2,500 tons of metal contaminated soil from the UPRR rail track areas. The Implementation Report of Emergency Removal Action by Dames & Moore for Areas 1 and 2 was approved.
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Land Use Restriction Monitoring Report
Completed Date:	11/12/2015
Comments:	DTSC accepted inspection report.
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Land Use Restriction Monitoring Report
Completed Date:	12/19/2013
Comments:	DTSC accepted Inspection/O&M Report.
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	CEQA - Notice of Exemption
Completed Date:	07/18/1997
Comments:	NOE for RAW at Property and residential area
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Consent Order
Completed Date:	04/28/1997
Comments:	Execution of Imminent and Substantial Endangerment Determination and Consent Order for investigation at the Western Lead and Metal Company site which includes both the International Lead Co. Site (Site Code 300591) and the Union Pacific Railroad Company track areas (Site Code 300628).
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	CEQA - Notice of Exemption
Completed Date:	07/18/1997
Comments:	A Notice of Exemption was completed for the RAW focusing on UPRR areas Not reported
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Land Use Restriction
Completed Date:	08/01/2007
Comments:	Land Use Covanent signed by DTSC and RSR to restrict property to industrial/commercial use and to maintain asphalt cover.
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Annual Oversight Cost Estimate
Completed Date:	10/25/2016
Comments:	DTSC cost estimate for long term monitoring activities.
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Annual Oversight Cost Estimate
Completed Date:	10/01/2020

QUEMETCO CORPORATION (Continued) **S112842372**

Comments:	DTSC cost estimate for project oversight was emailed to Responsible Party.
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Fieldwork
Completed Date:	05/12/2006
Comments:	Removal of soil and backfill at Wilson Street completed
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Operation and Maintenance Report
Completed Date:	12/06/2013
Comments:	O&M report summarized cap inspection and small repairs. DTSC accepted report.
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Land Use Restriction Monitoring Report
Completed Date:	11/03/2014
Comments:	Cap Inspection Report approved.
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Technical Report
Completed Date:	11/05/1997
Comments:	City of Los Angeles Investigation Report
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Preliminary Assessment Report
Completed Date:	06/11/1998
Comments:	Preliminary Assessment with sampling was completed. Sample results indicated elevated levels of lead.
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Land Use Restriction - Site Inspection/Visit
Completed Date:	06/29/2018
Comments:	Not reported
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Annual Oversight Cost Estimate
Completed Date:	10/31/2014
Comments:	Completed
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Annual Oversight Cost Estimate
Completed Date:	11/17/2015
Comments:	Not reported
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	5 Year Review Reports
Completed Date:	06/28/2019

QUEMETCO CORPORATION (Continued) **S112842372**

Comments:	DTSC approved the Five Year Review and concurs with its findings.
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Land Use Restriction - Site Inspection/Visit
Completed Date:	10/17/2013
Comments:	Site visit for LUC completed. Cap appears intact.
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Annual Oversight Cost Estimate
Completed Date:	01/28/2014
Comments:	Updated cost estimate sent to RP.
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Removal Action Workplan
Completed Date:	10/21/2004
Comments:	The RAW proposes to address the lead & arsenic contaminated soil by placing a four-inch asphalt cap on the property area (15,000 sq.ft.) and removing soil from nine impacted areas at the Site boundary. Implementation is scheduled for end of January 2005.
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Remedial Investigation Report
Completed Date:	04/15/2003
Comments:	The Remedial Investigation is approved. The RI involved sampling of lead and other metals, and volatile organic compounds, particularly tetrachlorethene and 1,1,1-trichloroethane.
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Removal Action Completion Report
Completed Date:	11/18/1997
Comments:	Soil removal (excavation) of lead-contaminated soils. The Implementation Report for completion of the Emergency Removal Action by Quemetco at Area 3 (Coast Produce Warehouse) and Area 4 (Residential property at 2151 E. 14th Street) was approved. An estimated 120 tons of contaminated lead was excavated and disposed of off-site.
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Removal Action Workplan
Completed Date:	07/18/1997
Comments:	UPRR: A removal action workplan (RAW-UPRR) was approved for Union Pacific Railroad track areas along Lemon Street (between 10th & 14th Streets). These areas are designated as Areas 1 & 2. A Notice of Exemption was also filed with the OPR as required by the CEQA laws and guidelines. The RAW-UPRR included excavation, treatment and disposal of contaminated soils in the neighboring railroad right-of-way (track) areas of the International Lead Company site.
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Removal Action Workplan

QUEMETCO CORPORATION (Continued) **S112842372**

Completed Date: 07/18/1997
Comments: A removal action workplan (RAW-QUEMETCO) which proposed excavation and disposal of contaminated soils, was approved for Areas 3 and 4 (perimeter of Property and residential property). A Notice of exemption was also filed with the OPR as required by the CEQA laws and guidelines.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Screening
Completed Date: 11/07/1994
Comments: DTSC received an information letter for 3 possible hazardous substance release sites allegedly associated with Quemetco/ RSR Corporation, a lead smelting company.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Public Notice
Completed Date: 05/04/2006
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fact Sheets
Completed Date: 08/20/2004
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fact Sheets
Completed Date: 08/20/2004
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operation and Maintenance Plan
Completed Date: 06/28/2007
Comments: Plan for maintenance of the 4-inch asphalt cover.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 11/30/2011
Comments: Based on the Cap Maintenance Report, the cap continues to be monitored and maintained.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: 5 Year Review Reports
Completed Date: 12/31/2013
Comments: The Five Year Review has been conducted for this site. DTSC finds that the asphalt cap has been maintained properly.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 12/15/2016

QUEMETCO CORPORATION (Continued) **S112842372**

Comments: DTSC accepts report.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: * Land Use Restriction Monitoring Report
Completed Date: 09/30/2009
Comments: Not reported

Future Area Name: PROJECT WIDE
Future Sub Area Name: Not reported
Future Document Type: 5 Year Review Reports
Future Due Date: 2024
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

DEED:
Name: INTERNATIONAL LEAD CO. (A.K.A. WESTERN LEAD AND METAL CO.)
Address: 2182 EAST 11TH STREET
City,State,Zip: LOS ANGELES, CA 90021
Envirostor ID: 19390044
Area: PROJECT WIDE
Sub Area: Not reported
Site Type: STATE RESPONSE
Status: CERTIFIED / OPERATION & MAINTENANCE
Agency: Not reported
Covenant Uploaded: Not reported
Deed Date(s): Not reported
File Name: Envirostor Land Use Restrictions

CORTESE:
Name: INTERNATIONAL LEAD CO. (A.K.A. WESTERN LEAD AND METAL CO.)
Address: 2182 EAST 11TH STREET
City,State,Zip: LOS ANGELES, CA 90021
Region: CORTESE
Envirostor Id: 19390044
Global ID: Not reported
Site/Facility Type: STATE RESPONSE
Cleanup Status: CERTIFIED / OPERATION & MAINTENANCE - LAND USE RESTRICTIONS
Status Date: 12/30/2007
Site Code: 300591
Latitude: 34.024214
Longitude: -118.23383
Owner: Not reported
Enf Type: Not reported
Swat R: Not reported
Flag: envirostor
Order No: Not reported
Waste Discharge System No: Not reported
Effective Date: Not reported
Region 2: Not reported
WID Id: Not reported
Solid Waste Id No: Not reported
Waste Management Uit Name: Not reported

QUEMETCO CORPORATION (Continued) **S112842372**

File Name: Haz Waste & Substances Sites

HAZNET:

Name:	QUEMETCO INC
Address:	2182 E 11TH STREET
Address 2:	Not reported
City,State,Zip:	LOS ANGELES, CA 900210000
Contact:	--
Telephone:	--
Mailing Name:	Not reported
Mailing Address:	2182 E 11th Street
Year:	1999
Gepaid:	CAP000053892
TSD EPA ID:	NVT330010000
CA Waste Code:	181 - Other inorganic solid waste
Disposal Method:	D99 - Disposal, Other
Tons:	5
Year:	1997
Gepaid:	CAC000745752
TSD EPA ID:	NVT330010000
CA Waste Code:	-
Disposal Method:	D99 - Disposal, Other
Tons:	0
Year:	1997
Gepaid:	CAC000745752
TSD EPA ID:	NVT330010000
CA Waste Code:	181 - Other inorganic solid waste
Disposal Method:	-
Tons:	86.8084

Additional Info:

Year:	1999
Gen EPA ID:	CAP000053892
Shipment Date:	19990909
Creation Date:	11/18/1999 0:00:00
Receipt Date:	19990921
Manifest ID:	98381904
Trans EPA ID:	CAR000019943
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	NVT330010000
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	D008
Meth Code:	D99 - Disposal, Other
Quantity Tons:	5
Waste Quantity:	5
Quantity Unit:	T

QUEMETCO CORPORATION (Continued) **S112842372**

Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	1997
Gen EPA ID:	CAC000745752
Shipment Date:	19970917
Creation Date:	7/23/1998 0:00:00
Receipt Date:	19970919
Manifest ID:	96738354
Trans EPA ID:	CAD983608258
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	NVT330010000
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	- Not reported
RCRA Code:	Not reported
Meth Code:	D99 - Disposal, Other
Quantity Tons:	0
Waste Quantity:	0
Quantity Unit:	Not reported
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19970917
Creation Date:	7/23/1998 0:00:00
Receipt Date:	19970924
Manifest ID:	96738350
Trans EPA ID:	CAD981685886
Trans Name:	Not reported
Trans 2 EPA ID:	CAD983605258
Trans 2 Name:	Not reported
TSDF EPA ID:	NVT330010000
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	D008
Meth Code:	- Not reported
Quantity Tons:	12.642
Waste Quantity:	15
Quantity Unit:	Y
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

QUEMETCO CORPORATION (Continued) **S112842372**

Shipment Date:	19970917
Creation Date:	7/23/1998 0:00:00
Receipt Date:	19970924
Manifest ID:	96738350
Trans EPA ID:	CAD981685886
Trans Name:	Not reported
Trans 2 EPA ID:	CAD983605258
Trans 2 Name:	Not reported
TSDF EPA ID:	NVT330010000
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	- Not reported
RCRA Code:	Not reported
Meth Code:	D99 - Disposal, Other
Quantity Tons:	0
Waste Quantity:	0
Quantity Unit:	Not reported
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	19970917
Creation Date:	7/23/1998 0:00:00
Receipt Date:	19970919
Manifest ID:	96738354
Trans EPA ID:	CAD983608258
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	NVT330010000
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	D008
Meth Code:	- Not reported
Quantity Tons:	12.642
Waste Quantity:	15
Quantity Unit:	Y
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	19970916
Creation Date:	7/23/1998 0:00:00
Receipt Date:	19970923
Manifest ID:	96738344
Trans EPA ID:	CAD983608258
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	NVT330010000

QUEMETCO CORPORATION (Continued) **S112842372**

Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	- Not reported
RCRA Code:	Not reported
Meth Code:	D99 - Disposal, Other
Quantity Tons:	0
Waste Quantity:	0
Quantity Unit:	Not reported
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	19970916
Creation Date:	7/23/1998 0:00:00
Receipt Date:	19970924
Manifest ID:	96738347
Trans EPA ID:	CAD981685886
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	NVT330010000
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	D008
Meth Code:	- Not reported
Quantity Tons:	12.642
Waste Quantity:	15
Quantity Unit:	Y
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	19970916
Creation Date:	7/23/1998 0:00:00
Receipt Date:	19970918
Manifest ID:	96738342
Trans EPA ID:	CAD981685886
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	NVT330010000
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	D008
Meth Code:	- Not reported
Quantity Tons:	12.642
Waste Quantity:	15
Quantity Unit:	Y

QUEMETCO CORPORATION (Continued) **S112842372**

Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19970916
Creation Date:	7/23/1998 0:00:00
Receipt Date:	19970918
Manifest ID:	96738342
Trans EPA ID:	CAD981685886
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	NVT330010000
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	- Not reported
RCRA Code:	Not reported
Meth Code:	D99 - Disposal, Other
Quantity Tons:	0
Waste Quantity:	0
Quantity Unit:	Not reported
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19970916
Creation Date:	7/23/1998 0:00:00
Receipt Date:	19970926
Manifest ID:	96738308
Trans EPA ID:	CAD983608258
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	NVT330010000
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	D008
Meth Code:	- Not reported
Quantity Tons:	12.642
Waste Quantity:	15
Quantity Unit:	Y
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19970916
Creation Date:	4/16/1998 0:00:00
Receipt Date:	19970925

QUEMETCO CORPORATION (Continued) **S112842372**

Manifest ID:	96738306
Trans EPA ID:	CAD981685886
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	NVT330010000
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	D008
Meth Code:	- Not reported
Quantity Tons:	12.642
Waste Quantity:	15
Quantity Unit:	Y
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

LOS ANGELES HM:

Name:	BLUE CIRCLE CORP
Address:	2182 E 11TH ST
City,State,Zip:	LOS ANGELES, CA 90021
Facility ID:	FA0011136
Last Run Date:	11/01/2022
Status:	INACTIVE

CERS:

Name:	INTERNATIONAL LEAD C
Address:	2182 EAST 11TH STREET
City,State,Zip:	LOS ANGELES, CA 90021
Site ID:	607982
CERS ID:	19390044
CERS Description:	State Response

Affiliation:

Affiliation Type Desc:	Lead Project Manager
Entity Name:	Jessy Fierro
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	.

Affiliation Type Desc:	Supervisor
Entity Name:	Allan Plaza
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	.

QUEMETCO CORPORATION (Continued) **S112842372**

HWTS:

Name:	QUEMETCO INC
Address:	2182 E 11TH STREET
Address 2:	Not reported
City,State,Zip:	LOS ANGELES, CA 90021
EPA ID:	CAP000053892
Inactive Date:	09/11/2001
Create Date:	06/05/2000
Last Act Date:	Not reported
Mailing Name:	Not reported
Mailing Address:	2182 E 11TH STREET
Mailing Address 2:	Not reported
Mailing City,State,Zip:	LOS ANGELES, CA 900210000
Owner Name:	QUEMTCO INC
Owner Address:	2777 STEMMONS FWY STE1800
Owner Address 2:	Not reported
Owner City,State,Zip:	DALLAS, TX 752070000
Contact Name:	Not reported
Contact Address:	2182 E 11TH STREET
Contact Address 2:	Not reported
City,State,Zip:	LOS ANGELES, CA 900210000
Facility Status:	Inactive
Facility Type:	TEMPORARY
Category:	FEDERAL
Latitude:	34.024504
Longitude:	-118.233817

Name:	QUEMETCO CORPORATION
Address:	2182 E 11TH ST
Address 2:	Not reported
City,State,Zip:	LOS ANGELES, CA 90211
EPA ID:	CAC000745752
Inactive Date:	10/25/2000
Create Date:	08/27/1997
Last Act Date:	Not reported
Mailing Name:	Not reported
Mailing Address:	333 N GLENOAKS BLVD STE 350
Mailing Address 2:	Not reported
Mailing City,State,Zip:	BURBANK, CA 915020000
Owner Name:	QUEMETCO CORPORATION
Owner Address:	333 N GLENOAKS BLVD STE 350
Owner Address 2:	Not reported
Owner City,State,Zip:	BURBANK, CA 915020000
Contact Name:	MANLEY TOM
Contact Address:	333 N GLENOAKS BLVD STE 350
Contact Address 2:	Not reported
City,State,Zip:	BURBANK, CA 915020000
Facility Status:	Inactive
Facility Type:	TEMPORARY
Category:	STATE
Latitude:	34.024504
Longitude:	-118.233817

AZ281 **NATIONAL AEROSOL** **ENVIROSTOR** **1005997347**
SSE **2193 EAST 14TH STREET** **CHMIRS** **N/A**
1/2-1 **LOS ANGELES, CA 90021**
0.639 mi.
3376 ft. **Site 3 of 3 in cluster AZ**

Relative: **Lower**

Actual: **232 ft.**

ENVIROSTOR:

Name:	NATIONAL AEROSOL
Address:	2193 EAST 14TH STREET
City,State,Zip:	LOS ANGELES, CA 90021
Facility ID:	19220018
Status:	Inactive - Needs Evaluation
Status Date:	01/09/2006
Site Code:	300870
Site Type:	Evaluation
Site Type Detailed:	Evaluation
Acres:	0.5
NPL:	NO
Regulatory Agencies:	DTSC
Lead Agency:	DTSC
Program Manager:	Not reported
Supervisor:	Emad Yemut
Division Branch:	Cleanup Cypress
Assembly:	53
Senate:	24
Special Program:	EPA - PASI
Restricted Use:	NO
Site Mgmt Req:	NONE SPECIFIED
Funding:	EPA Grant
Latitude:	34.02374
Longitude:	-118.2333
APN:	NONE SPECIFIED
Past Use:	NONE SPECIFIED
Potential COC:	* ORGANIC LIQUIDS WITH METALS
Confirmed COC:	NONE SPECIFIED
Potential Description:	NONE SPECIFIED
Alias Name:	AD - 1 CUTTING SERVICE
Alias Type:	Alternate Name
Alias Name:	NATIONAL AEROSOL PRODUCTS
Alias Type:	Alternate Name
Alias Name:	CAD008252355
Alias Type:	EPA Identification Number
Alias Name:	110000886435
Alias Type:	EPA (FRS #)
Alias Name:	300870
Alias Type:	Project Code (Site Code)
Alias Name:	19220018
Alias Type:	Envirostor ID Number

Completed Info:

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	PA/SI Reassessment
Completed Date:	10/01/2014
Comments:	The site does not warrant further Federal assessment activities, but warrants further State assessment.
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Correspondence

NATIONAL AEROSOL (Continued) **1005997347**

Completed Date:	04/09/2001
Comments:	Not reported
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Preliminary Assessment Report
Completed Date:	03/16/2001
Comments:	Not reported
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Site Screening
Completed Date:	05/25/2000
Comments:	Not reported
Future Area Name:	Not reported
Future Sub Area Name:	Not reported
Future Document Type:	Not reported
Future Due Date:	Not reported
Schedule Area Name:	Not reported
Schedule Sub Area Name:	Not reported
Schedule Document Type:	Not reported
Schedule Due Date:	Not reported
Schedule Revised Date:	Not reported

CHMIRS:

Name:	Not reported
Address:	2193 EAST 14TH STREET
City,State,Zip:	LOS ANGELES, CA
OES Incident Number:	2-2159
OES notification:	04/19/2002
OES Date:	Not reported
OES Time:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported

NATIONAL AEROSOL (Continued) **1005997347**

Facility Telephone:	Not reported
Waterway Involved:	No
Waterway:	Not reported
Spill Site:	Not reported
Cleanup By:	Contractor
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Date/Time:	Not reported
Year:	2002
Agency:	UPRR
Incident Date:	4/19/200212:00:00 AM
Admin Agency:	Los Angeles City Fire Department
Amount:	Not reported
Contained:	Yes
Site Type:	Rail Road
E Date:	Not reported
Substance:	waste oil
Gallons:	300
Unknown:	0
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	0
Number of Injuries:	0
Number of Fatalities:	0
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	Several drums of mixed waste oil was found on railroad property. The oil was contained in the drums.

282
SSE
1/2-1
0.669 mi.
3530 ft.

EASTERN SMELTING AND REFINING SITE
2200 EAST 11TH STREET
LOS ANGELES, CA 90021

ENVIROSTOR **S123547822**
VCP **N/A**
HAZMAT

Relative:
Lower

Actual:
231 ft.

ENVIROSTOR:

Name:	EASTERN SMELTING AND REFINING SITE
Address:	2200 EAST 11TH STREET
City,State,Zip:	LOS ANGELES, CA 90021
Facility ID:	19330382
Status:	Inactive - Action Required
Status Date:	03/25/2010
Site Code:	301006
Site Type:	Voluntary Cleanup
Site Type Detailed:	Voluntary Agreement
Acres:	0.5

EASTERN SMELTING AND REFINING SITE (Continued) **S123547822**

NPL: NO
Regulatory Agencies: SMBRP
Lead Agency: SMBRP
Program Manager: Jessy Fierro
Supervisor: Allan Plaza
Division Branch: Cleanup Chatsworth
Assembly: 53
Senate: 24
Special Program: Voluntary Agreement - Standard Voluntary Agreement
Restricted Use: YES
Site Mgmt Req: NONE SPECIFIED
Funding: Responsible Party
Latitude: 34.02378
Longitude: -118.2326
APN: 5167011030
Past Use: BATTERY RECLAMATION, METAL RECLAMATION
Potential COC: Lead
Confirmed COC: Lead
Potential Description: SOIL
Alias Name: EASTERN IRON AND METAL CO.
Alias Type: Alternate Name
Alias Name: GROW GROUP
Alias Type: Alternate Name
Alias Name: METALS REFINING COMPANY
Alias Type: Alternate Name
Alias Name: 5167011030
Alias Type: APN
Alias Name: CAO001368067
Alias Type: EPA Identification Number
Alias Name: 110033618752
Alias Type: EPA (FRS #)
Alias Name: 300595
Alias Type: Project Code (Site Code)
Alias Name: 301006
Alias Type: Project Code (Site Code)
Alias Name: 19330382
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Standard Voluntary Agreement
Completed Date: 09/19/2000
Comments: DTSC entered into a Voluntary Cleanup Agreement (Agreement) (Docket Number HSA-A 99/00-171) with Whittaker Corporation (Proponent) to conduct a Preliminary Endangerment Assessment.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Screening
Completed Date: 11/07/1994
Comments: DTSC received an information letter for 3 possible hazardous substance release sites allegedly associated with Quemetco/RSR Corp, a lead smelter.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Report

EASTERN SMELTING AND REFINING SITE (Continued) **S123547822**

Completed Date:	06/13/2003
Comments:	DTSC approves PEA Report. The PEA investigative activities conducted at the former smelting site identified arsenic (3410 mg/kg), and lead (25,700 mg/kg). DTSC concluded that the current conditions (building and pavement intact, no exposed soil) at the Site does not pose a potential threat to industrial workers. Due to elevated levels of the above-mentioned metals in the soil, if there is any demolition of the buidling or parking lot, or development at the Site, the responsible party(s) will be required to submit a Removal Action Workplan or Remedial Action Plan to DTSC for approval.
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Preliminary Assessment Report
Completed Date:	06/30/1998
Comments:	Completed a Preliminary Assessment (PA) of the site.
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Triage Meeting
Completed Date:	08/26/2015
Comments:	Not reported
Future Area Name:	Not reported
Future Sub Area Name:	Not reported
Future Document Type:	Not reported
Future Due Date:	Not reported
Schedule Area Name:	PROJECT WIDE
Schedule Sub Area Name:	Not reported
Schedule Document Type:	Land Use Restriction
Schedule Due Date:	07/30/2022
Schedule Revised Date:	04/24/2023

VCP:

Name:	EASTERN SMELTING AND REFINING SITE
Address:	2200 EAST 11TH STREET
City,State,Zip:	LOS ANGELES, CA 90021
Facility ID:	19330382
Site Type:	Voluntary Cleanup
Site Type Detail:	Voluntary Agreement
Site Mgmt. Req.:	NONE SPECIFIED
Acres:	0.5
National Priorities List:	NO
Cleanup Oversight Agencies:	SMBRP
Lead Agency:	SMBRP
Lead Agency Description:	DTSC - Site Cleanup Program
Project Manager:	Jessy Fierro
Supervisor:	Allan Plaza
Division Branch:	Cleanup Chatsworth
Site Code:	301006
Assembly:	53
Senate:	24
Special Programs Code:	Voluntary Agreement - Standard Voluntary Agreement
Status:	Inactive - Action Required
Status Date:	03/25/2010
Restricted Use:	YES
Funding:	Responsible Party

EASTERN SMELTING AND REFINING SITE (Continued) **S123547822**

Lat/Long:	34.02378 / -118.2326
APN:	5167011030
Past Use:	BATTERY RECLAMATION, METAL RECLAMATION
Potential COC:	30013
Confirmed COC:	30013
Potential Description:	SOIL
Alias Name:	EASTERN IRON AND METAL CO.
Alias Type:	Alternate Name
Alias Name:	GROW GROUP
Alias Type:	Alternate Name
Alias Name:	METALS REFINING COMPANY
Alias Type:	Alternate Name
Alias Name:	5167011030
Alias Type:	APN
Alias Name:	CAO001368067
Alias Type:	EPA Identification Number
Alias Name:	110033618752
Alias Type:	EPA (FRS #)
Alias Name:	300595
Alias Type:	Project Code (Site Code)
Alias Name:	301006
Alias Type:	Project Code (Site Code)
Alias Name:	19330382
Alias Type:	Envirostor ID Number

Completed Info:

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Standard Voluntary Agreement
Completed Date:	09/19/2000
Comments:	DTSC entered into a Voluntary Cleanup Agreement (Agreement) (Docket Number HSA-A 99/00-171) with Whittaker Corporation (Proponent) to conduct a Preliminary Endangerment Assessment.

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Site Screening
Completed Date:	11/07/1994
Comments:	DTSC received an information letter for 3 possible hazardous substance release sites allegedly associated with Quemetco/RSR Corp, a lead smelter.

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Preliminary Endangerment Assessment Report
Completed Date:	06/13/2003
Comments:	DTSC approves PEA Report. The PEA investigative activities conducted at the former smelting site identified arsenic (3410 mg/kg), and lead (25,700 mg/kg). DTSC concluded that the current conditions (building and pavement intact, no exposed soil) at the Site does not pose a potential threat to industrial workers. Due to elevated levels of the above-mentioned metals in the soil, if there is any demolition of the buidling or parking lot, or development at the Site, the responsible party(s) will be required to submit a Removal Action Workplan or Remedial Action Plan to DTSC for approval.

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported

EASTERN SMELTING AND REFINING SITE (Continued) **S123547822**

Completed Document Type: Preliminary Assessment Report
Completed Date: 06/30/1998
Comments: Completed a Preliminary Assessment (PA) of the site.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Triage Meeting
Completed Date: 08/26/2015
Comments: Not reported

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: PROJECT WIDE
Schedule Sub Area Name: Not reported
Schedule Document Type: Land Use Restriction
Schedule Due Date: 07/30/2022
Schedule Revised Date: 04/24/2023

LOS ANGELES HM:
Name: NATIONAL AEROSOL PROD.
Address: 2200 E 11TH ST
City,State,Zip: LOS ANGELES, CA 90021
Facility ID: FA0020482
Last Run Date: 11/01/2022
Status: INACTIVE

BA283 **SO CALIFORNIA GAS CO** **ENVIROSTOR** **S101585050**
SE **2424 E OLYMPIC BLVD** **SWF/LF** **N/A**
1/2-1 **LOS ANGELES, CA 90021** **AST**
0.701 mi. **VCP**
3700 ft. **Site 1 of 5 in cluster BA** **CERS HAZ WASTE**
CERS TANKS
Relative: **CA FID UST**
Lower **DEED**
EMI
Actual: **NPDES**
233 ft. **HAZMAT**
WDS
CIWQS
CERS

ENVIROSTOR:
Name: SO CAL GAS/OLYMPIC BASE MGP
Address: 2424 E OLYMPIC BLVD
City,State,Zip: LOS ANGELES, CA 90021
Facility ID: 19490179
Status: Active
Status Date: 10/04/2013
Site Code: 300144
Site Type: Voluntary Cleanup
Site Type Detailed: Voluntary Agreement
Acres: 4.5
NPL: NO
Regulatory Agencies: SMBRP
Lead Agency: SMBRP

SO CALIFORNIA GAS CO (Continued) **S101585050**

Program Manager:	Patrick Movlay
Supervisor:	Jose Diaz
Division Branch:	Cleanup Chatsworth
Assembly:	53
Senate:	24
Special Program:	* RCRA 3012 - Past Haz Waste Disp Inven Site
Restricted Use:	YES
Site Mgmt Req:	NONE SPECIFIED
Funding:	Responsible Party
Latitude:	34.02352
Longitude:	-118.2267
APN:	NONE SPECIFIED
Past Use:	MANUFACTURED GAS PLANT
Potential COC:	* ORGANIC LIQUIDS WITH METALS * AQUEOUS SOLUTION WITH METALS * UNSPECIFIED ALKALINE SOLUTIONS * UNSPECIFIED OIL CONTAINING WASTE Arsenic Lead Cadmium and compounds Chromium VI
Confirmed COC:	NONE SPECIFIED
Potential Description:	OTH, SOIL, SV
Alias Name:	SOUTHERN CALIF GAS CO- OLYMPIC BASE SITE
Alias Type:	Alternate Name
Alias Name:	SOUTHERN CALIFORNIA GAS
Alias Type:	Alternate Name
Alias Name:	SOUTHERN CALIFORNIA GAS COMPANY
Alias Type:	Alternate Name
Alias Name:	CAD980636153
Alias Type:	EPA Identification Number
Alias Name:	110000621346
Alias Type:	EPA (FRS #)
Alias Name:	P31041
Alias Type:	PCode
Alias Name:	300144
Alias Type:	Project Code (Site Code)
Alias Name:	19490179
Alias Type:	Envirostor ID Number

Completed Info:

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	* Final Remedial Action
Completed Date:	12/16/1991
Comments:	The Final Remedial Action consisted of placing an asphalt cap on the unpaved portions of the Olympic Base Site which would be maintained according to the requirements set forth in the RAP. A deed restriction was recorded on the property. The design of the cap was prepared and included in the RAP workplan.

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Remedial Action Plan
Completed Date:	04/23/1991
Comments:	Not reported

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	5 Year Review Reports
Completed Date:	09/25/2013
Comments:	Not reported

SO CALIFORNIA GAS CO (Continued) **S101585050**

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Workplan
Completed Date: 10/06/2017
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Investigation Workplan
Completed Date: 06/02/2017
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Financial Assurance Documentation
Completed Date: 07/10/2020
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Land Use Restriction - Site Inspection/Visit
Completed Date: 05/27/2008
Comments: DTSC has not identified any maintenance deficiencies.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: * Amended Order/Agreement, Chapter 6.5 transition
Completed Date: 01/05/1999
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: CEQA - Notice of Exemption
Completed Date: 12/01/2021
Comments: Activity completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 10/17/2019
Comments: Annual oversight cost estimate sent

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operation & Maintenance Order/Agreement
Completed Date: 08/03/2021
Comments: This is the final O&M Agreement, Financial Assurance for the O&M has been provided by SoCalGas and approved by DTSC

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Pre-HARP Form
Completed Date: 09/20/2021
Comments: Completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported

SO CALIFORNIA GAS CO (Continued) **S101585050**

Completed Document Type: Correspondence
Completed Date: 10/12/2021
Comments: Completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 09/20/2021
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 11/20/2020
Comments: Letter Sent

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Investigation Report
Completed Date: 04/21/2017
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Investigation Workplan
Completed Date: 03/22/2016
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Investigation Workplan
Completed Date: 07/18/2014
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Risk Assessment Report
Completed Date: 12/20/2016
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Investigation Report
Completed Date: 12/04/2015
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Risk Assessment Report
Completed Date: 03/10/2016
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Workplan
Completed Date: 12/01/2021
Comments: Not reported

SO CALIFORNIA GAS CO (Continued) **S101585050**

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Soils Management Plan
Completed Date: 10/04/2021
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fieldwork
Completed Date: 09/22/2021
Comments: completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Certification
Completed Date: 12/24/1991
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: * Order
Completed Date: 12/30/1986
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Land Use Restriction
Completed Date: 05/23/1991
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 10/21/2016
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 10/09/2017
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 10/03/2018
Comments: No comments needed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Request for Tribal Outreach
Completed Date: 09/08/2021
Comments: No comments received

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate

SO CALIFORNIA GAS CO (Continued) **S101585050**

Completed Date: 09/10/2020
Comments: Completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization Report
Completed Date: 10/06/2017
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Community Profile
Completed Date: 02/19/2014
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Phase 1
Completed Date: 02/19/2014
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Community Profile
Completed Date: 07/10/2014
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Workplan
Completed Date: 11/18/2020
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operation and Maintenance Plan
Completed Date: 06/17/2020
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Land Use Restriction Monitoring Report
Completed Date: 05/18/2021
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Land Use Restriction Monitoring Report
Completed Date: 06/18/2020
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Workplan
Completed Date: 10/05/2020
Comments: Not reported

SO CALIFORNIA GAS CO (Continued) **S101585050**

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Financial Assurance Documentation
Completed Date: 04/13/2021
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fact Sheets
Completed Date: 10/12/2021
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Public Notice
Completed Date: 10/12/2021
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Standard Voluntary Agreement
Completed Date: 10/21/2013
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 01/30/2015
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 09/26/2014
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 09/10/2015
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 08/21/2015
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 06/09/2015
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report

SO CALIFORNIA GAS CO (Continued) **S101585050**

Completed Date: 12/13/2019
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Soils Management Plan
Completed Date: 08/14/2018
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 02/07/2018
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Workplan
Completed Date: 12/21/2017
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedy Construction Complete
Completed Date: 08/05/2011
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Human Exposure Controlled
Completed Date: 08/05/2011
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Groundwater Migration Controlled
Completed Date: 08/05/2011
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Land Use Restriction - Site Inspection/Visit
Completed Date: 09/02/2003
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Land Use Restriction - Site Inspection/Visit
Completed Date: 05/24/2011
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Consent Order
Completed Date: 12/19/1986
Comments: Not reported

SO CALIFORNIA GAS CO (Continued) **S101585050**

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Amendment - Order/Agreement
Completed Date:	04/13/1993
Comments:	Not reported

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Remedial Investigation Workplan
Completed Date:	05/15/2014
Comments:	Not reported

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Operation and Maintenance Plan
Completed Date:	06/01/2018
Comments:	Not reported

Future Area Name:	PROJECT WIDE
Future Sub Area Name:	Not reported
Future Document Type:	Certification
Future Due Date:	2023
Future Area Name:	PROJECT WIDE
Future Sub Area Name:	Not reported
Future Document Type:	5 Year Review Reports
Future Due Date:	2024
Future Area Name:	PROJECT WIDE
Future Sub Area Name:	Not reported
Future Document Type:	Removal Action Completion Report
Future Due Date:	2023
Schedule Area Name:	Not reported
Schedule Sub Area Name:	Not reported
Schedule Document Type:	Not reported
Schedule Due Date:	Not reported
Schedule Revised Date:	Not reported

Name:	SOUTHERN CALIFORNIA GAS CO
Address:	2424 E OLYMPIC BLVD
City,State,Zip:	LOS ANGELES, CA 900210000
Facility ID:	80001471
Status:	Refer: SMBRP
Status Date:	05/13/2013
Site Code:	300144
Site Type:	Corrective Action
Site Type Detailed:	Corrective Action
Acres:	0
NPL:	NO
Regulatory Agencies:	SMBRP
Lead Agency:	WM
Program Manager:	Not reported
Supervisor:	Allan Plaza
Division Branch:	Cleanup Chatsworth
Assembly:	53
Senate:	30
Special Program:	Not reported
Restricted Use:	NO
Site Mgmt Req:	NONE SPECIFIED

SO CALIFORNIA GAS CO (Continued) **S101585050**

Funding: Not reported
Latitude: 34.02333
Longitude: -118.2280
APN: NONE SPECIFIED
Past Use: NONE SPECIFIED
Potential COC: NONE SPECIFIED
Confirmed COC: NONE SPECIFIED
Potential Description: NONE SPECIFIED
Alias Name: CAD981422017
Alias Type: EPA Identification Number
Alias Name: 110000621346
Alias Type: EPA (FRS #)
Alias Name: 300144
Alias Type: Project Code (Site Code)
Alias Name: 19490179
Alias Type: Envirostor ID Number
Alias Name: 80001471
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: RCRA Facility Assessment Report
Completed Date: 06/30/1995
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Groundwater Migration Controlled
Completed Date: 09/30/2011
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: * Other Instrument
Completed Date: 07/09/2010
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Human Exposure Controlled
Completed Date: 09/30/2011
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedy Construction Complete
Completed Date: 09/30/2011
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Interim Measures Questionnaire
Completed Date: 06/30/1997
Comments: Not reported

Future Area Name: Not reported
Future Sub Area Name: Not reported

SO CALIFORNIA GAS CO (Continued) **S101585050**

Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

LOS ANGELES CO. LF:
Name: DOWNTOWN DIVERSION
Address: 2424 E. OLYMPIC BOULEVARD
City,State,Zip: LOS ANGELES, CA 90021
Site ID: 184
Alt. Site Name: N/A
Alt. Address: N/A
Site Contact: Not reported
Site Contact Phone: (877) 933-4837
Site Email: lcamargo@wm.com
Site Website: http://downtowndiversion.com/
Site Type: Transfer and Processing Facility
Site SWIS Number: 19-AR-1224
Beginning Operation Date: N/A
Ending Operation Date: N/A
Local Enforcement Agency: City of Los Angeles Dept of Building & Safety
Maximun Depth Fill(Ft): Not reported
Permitted Capacity: 1500
Present Use: Transfer/Processing Facility
Remaining Capacity(Million): N/A
Status: Active
Waste Accepted: Construction & Demolition;
Hours of Operation: Monday-Friday: 6am - 6pm; Saturday: 6am - 3pm
Disposal Area (Acre): Not reported

Detail As Of 01/2014:
Operator Name: Waste Management, Inc. - Sun Valley
Operator Address: 9081 Tujunga Avenue
Operator City/State/Zip: Sun Valley, CA 91352-1516
Operator Contact: Debbie Myers
Operator Telephone: (818) 767-6180
Operator Email: dmyer@wm.com
Owner Name: Waste Management, INC.
Owner Address: 9081 Tujunga Avenue
Owner City/State/Zip: Sun Valley, CA 91352
Owner Contact: Debbie Myers
Owner Telephone: (818) 767-6180
Owner Email: Not reported
District: 1
Site Mailing Address: N/A

AST:
Name: DOWNTOWN DIVERSION
Address: 2424 E OLYMPIC BLVD
City/Zip: LOS ANGELES,90021
Certified Unified Program Agencies: Not reported
Owner: USA Waste Of California Inc/
Total Gallons: Not reported
CERSID: 10416013

SO CALIFORNIA GAS CO (Continued) **S101585050**

Facility ID:	Not reported
Business Name:	EAST VALLEY DIVERSION
Phone:	(213)612 5005
Fax:	(213) 612 5087
Mailing Address:	2424 E. Olympic Blvd Blg 3
Mailing Address City:	Los Angeles
Mailing Address State:	CA
Mailing Address Zip Code:	90021
Operator Name:	USA Waste of California Inc/
Operator Phone:	(818) 482 0367
Owner Phone:	818 252 3127
Owner Mail Address:	9081 Tujunga Av
Owner State:	CA
Owner Zip Code:	91352
Owner Country:	United States
Property Owner Name:	Not reported
Property Owner Phone:	Not reported
Property Owner Mailing Address:	Not reported
Property Owner City:	Not reported
Property Owner Stat :	Not reported
Property Owner Zip Code:	Not reported
Property Owner Country:	Not reported
EPAID:	CAL000334138

LOS ANGELES AST:

Facility ID:	FA0036285
Name:	DOWNTOWN DIVERSION
Address:	2424 E OLYMPIC BLVD
City,State,Zip:	LOS ANGELES, CA 90021
Last Run Date:	06/01/2019
Status:	ACTIVE

VCP:

Name:	SO CAL GAS/OLYMPIC BASE MGP
Address:	2424 E OLYMPIC BLVD
City,State,Zip:	LOS ANGELES, CA 90021
Facility ID:	19490179
Site Type:	Voluntary Cleanup
Site Type Detail:	Voluntary Agreement
Site Mgmt. Req.:	NONE SPECIFIED
Acres:	4.5
National Priorities List:	NO
Cleanup Oversight Agencies:	SMBRP
Lead Agency:	SMBRP
Lead Agency Description:	DTSC - Site Cleanup Program
Project Manager:	Patrick Movlay
Supervisor:	Jose Diaz
Division Branch:	Cleanup Chatsworth
Site Code:	300144
Assembly:	53
Senate:	24
Special Programs Code:	* RCRA 3012 - Past Haz Waste Disp Inven Site
Status:	Active
Status Date:	10/04/2013
Restricted Use:	YES
Funding:	Responsible Party

SO CALIFORNIA GAS CO (Continued) **S101585050**

Lat/Long:	34.02352 / -118.2267
APN:	NONE SPECIFIED
Past Use:	MANUFACTURED GAS PLANT
Potential COC:	10061, 10093, 10194, 10196, 30001, 30013, 30108, 30153
Confirmed COC:	NONE SPECIFIED
Potential Description:	OTH, SOIL, SV
Alias Name:	SOUTHERN CALIF GAS CO- OLYMPIC BASE SITE
Alias Type:	Alternate Name
Alias Name:	SOUTHERN CALIFORNIA GAS
Alias Type:	Alternate Name
Alias Name:	SOUTHERN CALIFORNIA GAS COMPANY
Alias Type:	Alternate Name
Alias Name:	CAD980636153
Alias Type:	EPA Identification Number
Alias Name:	110000621346
Alias Type:	EPA (FRS #)
Alias Name:	P31041
Alias Type:	PCode
Alias Name:	300144
Alias Type:	Project Code (Site Code)
Alias Name:	19490179
Alias Type:	Envirostor ID Number

Completed Info:

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	* Final Remedial Action
Completed Date:	12/16/1991
Comments:	The Final Remedial Action consisted of placing an asphalt cap on the unpaved portions of the Olympic Base Site which would be maintained according to the requirements set forth in the RAP. A deed restriction was recorded on the property. The design of the cap was prepared and included in the RAP workplan.

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Remedial Action Plan
Completed Date:	04/23/1991
Comments:	Not reported

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	5 Year Review Reports
Completed Date:	09/25/2013
Comments:	Not reported

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Technical Workplan
Completed Date:	10/06/2017
Comments:	Not reported

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Remedial Investigation Workplan
Completed Date:	06/02/2017
Comments:	Not reported

SO CALIFORNIA GAS CO (Continued) **S101585050**

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Financial Assurance Documentation
Completed Date: 07/10/2020
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Land Use Restriction - Site Inspection/Visit
Completed Date: 05/27/2008
Comments: DTSC has not identified any maintenance deficiencies.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: * Amended Order/Agreement, Chapter 6.5 transition
Completed Date: 01/05/1999
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: CEQA - Notice of Exemption
Completed Date: 12/01/2021
Comments: Activity completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 10/17/2019
Comments: Annual oversight cost estimate sent

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operation & Maintenance Order/Agreement
Completed Date: 08/03/2021
Comments: This is the final O&M Agreement, Financial Assurance for the O&M has been provided by SoCalGas and approved by DTSC

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Pre-HARP Form
Completed Date: 09/20/2021
Comments: Completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 10/12/2021
Comments: Completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 09/20/2021
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported

SO CALIFORNIA GAS CO (Continued) **S101585050**

Completed Document Type: Correspondence
Completed Date: 11/20/2020
Comments: Letter Sent

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Investigation Report
Completed Date: 04/21/2017
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Investigation Workplan
Completed Date: 03/22/2016
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Investigation Workplan
Completed Date: 07/18/2014
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Risk Assessment Report
Completed Date: 12/20/2016
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Investigation Report
Completed Date: 12/04/2015
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Risk Assessment Report
Completed Date: 03/10/2016
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Workplan
Completed Date: 12/01/2021
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Soils Management Plan
Completed Date: 10/04/2021
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fieldwork
Completed Date: 09/22/2021
Comments: completed

SO CALIFORNIA GAS CO (Continued) **S101585050**

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Certification
Completed Date: 12/24/1991
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: * Order
Completed Date: 12/30/1986
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Land Use Restriction
Completed Date: 05/23/1991
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 10/21/2016
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 10/09/2017
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 10/03/2018
Comments: No comments needed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Request for Tribal Outreach
Completed Date: 09/08/2021
Comments: No comments received

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 09/10/2020
Comments: Completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization Report
Completed Date: 10/06/2017
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Community Profile

SO CALIFORNIA GAS CO (Continued) **S101585050**

Completed Date: 02/19/2014
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Phase 1
Completed Date: 02/19/2014
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Community Profile
Completed Date: 07/10/2014
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Workplan
Completed Date: 11/18/2020
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operation and Maintenance Plan
Completed Date: 06/17/2020
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Land Use Restriction Monitoring Report
Completed Date: 05/18/2021
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Land Use Restriction Monitoring Report
Completed Date: 06/18/2020
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Workplan
Completed Date: 10/05/2020
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Financial Assurance Documentation
Completed Date: 04/13/2021
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fact Sheets
Completed Date: 10/12/2021
Comments: Not reported

SO CALIFORNIA GAS CO (Continued) **S101585050**

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Public Notice
Completed Date: 10/12/2021
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Standard Voluntary Agreement
Completed Date: 10/21/2013
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 01/30/2015
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 09/26/2014
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 09/10/2015
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 08/21/2015
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 06/09/2015
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 12/13/2019
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Soils Management Plan
Completed Date: 08/14/2018
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report

SO CALIFORNIA GAS CO (Continued) **S101585050**

Completed Date: 02/07/2018
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Workplan
Completed Date: 12/21/2017
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedy Construction Complete
Completed Date: 08/05/2011
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Human Exposure Controlled
Completed Date: 08/05/2011
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Groundwater Migration Controlled
Completed Date: 08/05/2011
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Land Use Restriction - Site Inspection/Visit
Completed Date: 09/02/2003
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Land Use Restriction - Site Inspection/Visit
Completed Date: 05/24/2011
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Consent Order
Completed Date: 12/19/1986
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Amendment - Order/Agreement
Completed Date: 04/13/1993
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Investigation Workplan
Completed Date: 05/15/2014
Comments: Not reported

SO CALIFORNIA GAS CO (Continued) **S101585050**

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operation and Maintenance Plan
Completed Date: 06/01/2018
Comments: Not reported

Future Area Name: PROJECT WIDE
Future Sub Area Name: Not reported
Future Document Type: Certification
Future Due Date: 2023
Future Area Name: PROJECT WIDE
Future Sub Area Name: Not reported
Future Document Type: 5 Year Review Reports
Future Due Date: 2024
Future Area Name: PROJECT WIDE
Future Sub Area Name: Not reported
Future Document Type: Removal Action Completion Report
Future Due Date: 2023
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

CERS HAZ WASTE:
Name: SOUTHERN CALIFORNIA GAS COMPANY
Address: 2424 E OLYMPIC BLVD
City,State,Zip: LOS ANGELES, CA 90021
Site ID: 155485
CERS ID: 10151515
CERS Description: Hazardous Waste Generator

Name: DOWNTOWN DIVERSION
Address: 2424 E OLYMPIC BLVD
City,State,Zip: LOS ANGELES, CA 90021
Site ID: 112555
CERS ID: 10416013
CERS Description: Hazardous Waste Generator

CERS TANKS:
Name: DOWNTOWN DIVERSION
Address: 2424 E OLYMPIC BLVD
City,State,Zip: LOS ANGELES, CA 90021
Site ID: 112555
CERS ID: 10416013
CERS Description: Aboveground Petroleum Storage

CA FID UST:
Facility ID: 19018935
Regulated By: UTNKA
Regulated ID: 00007477
Cortese Code: Not reported
SIC Code: Not reported
Facility Phone: 2132653570
Mail To: Not reported
Mailing Address: P O BOX 3249 TERMINA

SO CALIFORNIA GAS CO (Continued) **S101585050**

Mailing Address 2: Not reported
Mailing City,St,Zip: LOS ANGELES 900210000
Contact: Not reported
Contact Phone: Not reported
DUNs Number: Not reported
NPDES Number: Not reported
EPA ID: Not reported
Comments: Not reported
Status: Active

DEED:
Name: SO CAL GAS/OLYMPIC BASE MGP
Address: 2424 E OLYMPIC BLVD
City,State,Zip: LOS ANGELES, CA 90021
Envirostor ID: 19490179
Area: PROJECT WIDE
Sub Area: Not reported
Site Type: VOLUNTARY CLEANUP
Status: ACTIVE
Agency: Not reported
Covenant Uploaded: Not reported
Deed Date(s): Not reported
File Name: Envirostor Land Use Restrictions

EMI:
Name: SO CAL GAS CO
Address: 2424 E OLYMPIC BL
City,State,Zip: LOS ANGELES, CA 900210000
Year: 1987
County Code: 19
Air Basin: SC
Facility ID: 7433
Air District Name: SC
SIC Code: 4922
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 1
Reactive Organic Gases Tons/Yr: 1
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smllr Tons/Yr: 0

Name: SO CAL GAS CO
Address: 2424 E OLYMPIC BL
City,State,Zip: LOS ANGELES, CA 900210000
Year: 1990
County Code: 19
Air Basin: SC
Facility ID: 7433
Air District Name: SC
SIC Code: 4925
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported

SO CALIFORNIA GAS CO (Continued) **S101585050**

Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	1
Reactive Organic Gases Tons/Yr:	1
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

NPDES:

Name:	OLYMPIC PCB TRANSFER AND STORAGE FACILITY
Address:	2424 E OLYMPIC BLVD
City,State,Zip:	LOS ANGELES, CA 90021
Facility Status:	Not reported
NPDES Number:	Not reported
Region:	Not reported
Agency Number:	Not reported
Regulatory Measure ID:	Not reported
Place ID:	Not reported
Order Number:	Not reported
WDID:	4 19NEC000128
Regulatory Measure Type:	Industrial
Program Type:	Not reported
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Discharge Address:	Not reported
Discharge Name:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
Status:	Terminated
Status Date:	12/15/2020
Operator Name:	Southern California Gas Company TSFs
Operator Address:	555 W 5th Street ML GT17E2
Operator City:	LosAngeles
Operator State:	California
Operator Zip:	90013

NPDES as of 03/2018:

NPDES Number:	CAS000001
Status:	Active
Agency Number:	0
Region:	4
Regulatory Measure ID:	422572
Order Number:	97-03-DWQ
Regulatory Measure Type:	Enrollee
Place ID:	Not reported
WDID:	4 19NEC000128
Program Type:	Industrial
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	12/13/2011
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	Southern California Gas Company TSFs
Discharge Address:	555 W 5th Street ML GT17E2

SO CALIFORNIA GAS CO (Continued) **S101585050**

Discharge City:	LosAngeles
Discharge State:	California
Discharge Zip:	90013
Received Date:	Not reported
Processed Date:	Not reported
Status:	Not reported
Status Date:	Not reported
Place Size:	Not reported
Place Size Unit:	Not reported
Contact:	Not reported
Contact Title:	Not reported
Contact Phone:	Not reported
Contact Phone Ext:	Not reported
Contact Email:	Not reported
Operator Name:	Not reported
Operator Address:	Not reported
Operator City:	Not reported
Operator State:	Not reported
Operator Zip:	Not reported
Operator Contact:	Not reported
Operator Contact Title:	Not reported
Operator Contact Phone:	Not reported
Operator Contact Phone Ext:	Not reported
Operator Contact Email:	Not reported
Operator Type:	Not reported
Developer:	Not reported
Developer Address:	Not reported
Developer City:	Not reported
Developer State:	Not reported
Developer Zip:	Not reported
Developer Contact:	Not reported
Developer Contact Title:	Not reported
Constype Linear Utility Ind:	Not reported
Emergency Phone:	Not reported
Emergency Phone Ext:	Not reported
Constype Above Ground Ind:	Not reported
Constype Below Ground Ind:	Not reported
Constype Cable Line Ind:	Not reported
Constype Comm Line Ind:	Not reported
Constype Commertial Ind:	Not reported
Constype Electrical Line Ind:	Not reported
Constype Gas Line Ind:	Not reported
Constype Industrial Ind:	Not reported
Constype Other Description:	Not reported
Constype Other Ind:	Not reported
Constype Recons Ind:	Not reported
Constype Residential Ind:	Not reported
Constype Transport Ind:	Not reported
Constype Utility Description:	Not reported
Constype Utility Ind:	Not reported
Constype Water Sewer Ind:	Not reported
Dir Discharge Uswater Ind:	Not reported
Receiving Water Name:	Not reported
Certifier:	Not reported
Certifier Title:	Not reported
Certification Date:	Not reported
Primary Sic:	Not reported

SO CALIFORNIA GAS CO (Continued) **S101585050**

Secondary Sic:	Not reported
Tertiary Sic:	Not reported
NPDES Number:	Not reported
Status:	Not reported
Agency Number:	Not reported
Region:	4
Regulatory Measure ID:	422572
Order Number:	Not reported
Regulatory Measure Type:	Industrial
Place ID:	Not reported
WDID:	4 19NEC000128
Program Type:	Not reported
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	Not reported
Discharge Address:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
Received Date:	07/21/2015
Processed Date:	12/13/2011
Status:	Active
Status Date:	07/21/2015
Place Size:	2
Place Size Unit:	Acres
Contact:	Gregory Gianelli
Contact Title:	Facilities Manager
Contact Phone:	909-394-4273
Contact Phone Ext:	Not reported
Contact Email:	ggianelli@semprautilities.com
Operator Name:	Southern California Gas Company TSFs
Operator Address:	555 W 5th Street ML GT17E2
Operator City:	LosAngeles
Operator State:	California
Operator Zip:	90013
Operator Contact:	Ricardo Moreno
Operator Contact Title:	Water Team Lead
Operator Contact Phone:	213-244-8305
Operator Contact Phone Ext:	Not reported
Operator Contact Email:	rmoreno3@semprautilities.com
Operator Type:	Private Business
Developer:	Not reported
Developer Address:	Not reported
Developer City:	Not reported
Developer State:	California
Developer Zip:	Not reported
Developer Contact:	Not reported
Developer Contact Title:	Not reported
Constype Linear Utility Ind:	Not reported
Emergency Phone:	Not reported
Emergency Phone Ext:	Not reported
Constype Above Ground Ind:	Not reported
Constype Below Ground Ind:	Not reported
Constype Cable Line Ind:	Not reported

SO CALIFORNIA GAS CO (Continued) **S101585050**

Constype Comm Line Ind:	Not reported
Constype Commertial Ind:	Not reported
Constype Electrical Line Ind:	Not reported
Constype Gas Line Ind:	Not reported
Constype Industrial Ind:	Not reported
Constype Other Description:	Not reported
Constype Other Ind:	Not reported
Constype Recons Ind:	Not reported
Constype Residential Ind:	Not reported
Constype Transport Ind:	Not reported
Constype Utility Description:	Not reported
Constype Utility Ind:	Not reported
Constype Water Sewer Ind:	Not reported
Dir Discharge Uswater Ind:	N
Receiving Water Name:	Los Angeles County Storm Drain System to Los Angeles River
Certifier:	Richard Pearson
Certifier Title:	Director
Certification Date:	31-JAN-17
Primary Sic:	4953-Refuse Systems
Secondary Sic:	4953-Refuse Systems
Tertiary Sic:	Not reported

Name:	OLYMPIC PCB TRANSFER AND STORAGE FACILITY
Address:	2424 E OLYMPIC BLVD
City,State,Zip:	LOS ANGELES, CA 90021
Facility Status:	Terminated
NPDES Number:	CAS000001
Region:	4
Agency Number:	0
Regulatory Measure ID:	422572
Place ID:	Not reported
Order Number:	97-03-DWQ
WDID:	4 19NEC000128
Regulatory Measure Type:	Enrollee
Program Type:	Industrial
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	12/13/2011
Termination Date Of Regulatory Measure:	09/16/2020
Expiration Date Of Regulatory Measure:	Not reported
Discharge Address:	555 W 5th Street ML GT17E2
Discharge Name:	Southern California Gas Company TSFs
Discharge City:	LosAngeles
Discharge State:	California
Discharge Zip:	90013
Status:	Not reported
Status Date:	Not reported
Operator Name:	Not reported
Operator Address:	Not reported
Operator City:	Not reported
Operator State:	Not reported
Operator Zip:	Not reported

NPDES as of 03/2018:

NPDES Number:	CAS000001
Status:	Active
Agency Number:	0
Region:	4

SO CALIFORNIA GAS CO (Continued) **S101585050**

Regulatory Measure ID:	422572
Order Number:	97-03-DWQ
Regulatory Measure Type:	Enrollee
Place ID:	Not reported
WDID:	4 19NEC000128
Program Type:	Industrial
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	12/13/2011
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	Southern California Gas Company TSFs
Discharge Address:	555 W 5th Street ML GT17E2
Discharge City:	LosAngeles
Discharge State:	California
Discharge Zip:	90013
Received Date:	Not reported
Processed Date:	Not reported
Status:	Not reported
Status Date:	Not reported
Place Size:	Not reported
Place Size Unit:	Not reported
Contact:	Not reported
Contact Title:	Not reported
Contact Phone:	Not reported
Contact Phone Ext:	Not reported
Contact Email:	Not reported
Operator Name:	Not reported
Operator Address:	Not reported
Operator City:	Not reported
Operator State:	Not reported
Operator Zip:	Not reported
Operator Contact:	Not reported
Operator Contact Title:	Not reported
Operator Contact Phone:	Not reported
Operator Contact Phone Ext:	Not reported
Operator Contact Email:	Not reported
Operator Type:	Not reported
Developer:	Not reported
Developer Address:	Not reported
Developer City:	Not reported
Developer State:	Not reported
Developer Zip:	Not reported
Developer Contact:	Not reported
Developer Contact Title:	Not reported
Constype Linear Utility Ind:	Not reported
Emergency Phone:	Not reported
Emergency Phone Ext:	Not reported
Constype Above Ground Ind:	Not reported
Constype Below Ground Ind:	Not reported
Constype Cable Line Ind:	Not reported
Constype Comm Line Ind:	Not reported
Constype Commertial Ind:	Not reported
Constype Electrical Line Ind:	Not reported
Constype Gas Line Ind:	Not reported
Constype Industrial Ind:	Not reported
Constype Other Description:	Not reported
Constype Other Ind:	Not reported

SO CALIFORNIA GAS CO (Continued) **S101585050**

Constype Recons Ind:	Not reported
Constype Residential Ind:	Not reported
Constype Transport Ind:	Not reported
Constype Utility Description:	Not reported
Constype Utility Ind:	Not reported
Constype Water Sewer Ind:	Not reported
Dir Discharge Uswater Ind:	Not reported
Receiving Water Name:	Not reported
Certifier:	Not reported
Certifier Title:	Not reported
Certification Date:	Not reported
Primary Sic:	Not reported
Secondary Sic:	Not reported
Tertiary Sic:	Not reported
NPDES Number:	Not reported
Status:	Not reported
Agency Number:	Not reported
Region:	4
Regulatory Measure ID:	422572
Order Number:	Not reported
Regulatory Measure Type:	Industrial
Place ID:	Not reported
WDID:	4 19NEC000128
Program Type:	Not reported
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	Not reported
Discharge Address:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
Received Date:	07/21/2015
Processed Date:	12/13/2011
Status:	Active
Status Date:	07/21/2015
Place Size:	.2
Place Size Unit:	Acres
Contact:	Gregory Gianelli
Contact Title:	Facilities Manager
Contact Phone:	909-394-4273
Contact Phone Ext:	Not reported
Contact Email:	ggianelli@semprautilities.com
Operator Name:	Southern California Gas Company TSFs
Operator Address:	555 W 5th Street ML GT17E2
Operator City:	LosAngeles
Operator State:	California
Operator Zip:	90013
Operator Contact:	Ricardo Moreno
Operator Contact Title:	Water Team Lead
Operator Contact Phone:	213-244-8305
Operator Contact Phone Ext:	Not reported
Operator Contact Email:	rmoreno3@semprautilities.com
Operator Type:	Private Business
Developer:	Not reported

SO CALIFORNIA GAS CO (Continued) **S101585050**

Developer Address:	Not reported
Developer City:	Not reported
Developer State:	California
Developer Zip:	Not reported
Developer Contact:	Not reported
Developer Contact Title:	Not reported
Constype Linear Utility Ind:	Not reported
Emergency Phone:	Not reported
Emergency Phone Ext:	Not reported
Constype Above Ground Ind:	Not reported
Constype Below Ground Ind:	Not reported
Constype Cable Line Ind:	Not reported
Constype Comm Line Ind:	Not reported
Constype Commertial Ind:	Not reported
Constype Electrical Line Ind:	Not reported
Constype Gas Line Ind:	Not reported
Constype Industrial Ind:	Not reported
Constype Other Description:	Not reported
Constype Other Ind:	Not reported
Constype Recons Ind:	Not reported
Constype Residential Ind:	Not reported
Constype Transport Ind:	Not reported
Constype Utility Description:	Not reported
Constype Utility Ind:	Not reported
Constype Water Sewer Ind:	Not reported
Dir Discharge Uswater Ind:	N
Receiving Water Name:	Los Angeles County Storm Drain System to Los Angeles River
Certifier:	Richard Pearson
Certifier Title:	Director
Certification Date:	31-JAN-17
Primary Sic:	4953-Refuse Systems
Secondary Sic:	4953-Refuse Systems
Tertiary Sic:	Not reported

LOS ANGELES HM:

Name:	SO CALIFORNIA GAS- OLYMPIC BASE
Address:	2424 E OLYMPIC BLVD
City,State,Zip:	LOS ANGELES, CA 90021
Facility ID:	FA0002254
Last Run Date:	11/01/2022
Status:	ACTIVE

Name:	DOWNTOWN DIVERSION
Address:	2424 E OLYMPIC BLVD
City,State,Zip:	LOS ANGELES, CA 90021
Facility ID:	FA0036285
Last Run Date:	11/01/2022
Status:	ACTIVE

WDS:

Name:	DOWNTOWN DIVERSION
Address:	2424 E Olympic Blvd
City:	LOS ANGELES
Facility ID:	4 19I018883
Facility Type:	Industrial - Facility that treats and/or disposes of liquid or

SO CALIFORNIA GAS CO (Continued) **S101585050**

semisolid wastes from any servicing, producing, manufacturing or processing operation of whatever nature, including mining, gravel washing, geothermal operations, air conditioning, ship building and repairing, oil production, storage and disposal operations, water pumping.

Facility Status: Active - Any facility with a continuous or seasonal discharge that is under Waste Discharge Requirements.
NPDES Number: CAS000001 The 1st 2 characters designate the state. The remaining 7 are assigned by the Regional Board
Subregion: 4
Facility Telephone: 2136125005
Facility Contact: Mike Hammer
Agency Name: LOONEY BINS DOWNTOWN DIVERSION
Agency Address: 11616 Sheldon St
Agency City,St,Zip: Sun Valley 91352
Agency Contact: Mike Hammer
Agency Telephone: 8187687197
Agency Type: Private
SIC Code: 4953
SIC Code 2: 5093
Primary Waste Type: Not reported
Primary Waste: Not reported
Waste Type2: Not reported
Waste2: Not reported
Primary Waste Type: Not reported
Secondary Waste: Not reported
Secondary Waste Type: Not reported
Design Flow: 0
Baseline Flow: 0
Reclamation: Not reported
POTW: Not reported
Treat To Water: Minor Threat to Water Quality. A violation of a regional board order should cause a relatively minor impairment of beneficial uses compared to a major or minor threat. Not: All nurds without a TTWQ will be considered a minor threat to water quality unless coded at a higher Level. A Zero (0) may be used to code those NURDS that are found to represent no threat to water quality.
Complexity: Category C - Facilities having no waste treatment systems, such as cooling water dischargers or thosewho must comply through best management practices, facilities with passive waste treatment and disposal systems, such as septic systems with subsurface disposal, or dischargers having waste storage systems with land disposal such as dairy waste ponds.

CIWQS:
Name: OLYMPIC PCB TRANSFER AND STORAGE FACILITY
Address: 2424 E OLYMPIC BLVD
City,State,Zip: LOS ANGELES, CA 90021
Agency: Southern California Gas Company TSFs
Agency Address: 555 W 5th Street ML GT17E2, Losangeles, CA 90013
Place/Project Type: Industrial - Refuse Systems
SIC/NAICS: 4953(+)
Region: 4
Program: INDSTW
Regulatory Measure Status: Terminated
Regulatory Measure Type: Storm water industrial
Order Number: 2014-0057-DWQ

SO CALIFORNIA GAS CO (Continued) **S101585050**

WDID:	4 19NEC000128
NPDES Number:	CAS000001
Adoption Date:	Not reported
Effective Date:	12/13/2011
Termination Date:	09/16/2020
Expiration/Review Date:	Not reported
Design Flow:	Not reported
Major/Minor:	Not reported
Complexity:	Not reported
TTWQ:	Not reported
Enforcement Actions within 5 years:	0
Violations within 5 years:	0
Latitude:	34.02339
Longitude:	-118.2284

CERS:

Name:	DOWNTOWN DIVERSION
Address:	2424 E OLYMPIC BLVD
City,State,Zip:	LOS ANGELES, CA 90021
Site ID:	112555
CERS ID:	10416013
CERS Description:	Chemical Storage Facilities

Violations:

Site ID:	112555
Site Name:	Downtown Diversion
Violation Date:	08-12-2019
Citation:	HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description:	Failure to complete and electronically submit hazardous material inventory information for all reportable hazardous materials on site at or above reportable quantities.
Violation Notes:	Returned to compliance on 11/27/2019. Review, update and resubmit the Hazardous Materials Inventory into CERS to include all hazardous material stored in a capacity greater than 55 gallons of liquid, 200 cubic feet of compressed gas or 500 pounds in weight of a solid. Please correct the following: add NOS 2500 cu ft, correct waste oil to 500 gallons.
Violation Division:	Los Angeles City Fire Department
Violation Program:	HMRRP
Violation Source:	CERS,

Evaluation:

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	08-20-2013
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Not reported
Eval Division:	Los Angeles City Fire Department
Eval Program:	HMRRP
Eval Source:	CERS,

Eval General Type:	Other/Unknown
Eval Date:	11-27-2019
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	The corresponding HMBP violations issued on 8/12/19 have been cleared.

SO CALIFORNIA GAS CO (Continued) **S101585050**

CERS has been reviewed and updated.
Eval Division: Los Angeles City Fire Department
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 09-07-2016
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Consent to enter, inspect and take photographs was given on this date by: (Juan Morales the operation manager) Permit is valid and posted (yes) Inspector walked and verified the locations and quantity of hazardous materials as it relates to the business plan Document review in CERS and field verification this date identified the following: 1. CERS looked good) NOTE: To legally operate a business operating with hazardous materials in the City of Los Angeles you must be in possession of a valid Consolidated Permit issued by Los Angeles Fire Department CUPA. To receive a Consolidated Permit you must satisfy the following requirement: **** Annual submission of a hazardous materials business plan to CERS every year between January 1 and March 1. Please remember that any change in inventory of greater than 100 percent will require new submission within 30 days of that change. In order to have a complete and accurate CERS submittal you must comply with the information [Truncated]
Eval Division: Los Angeles City Fire Department
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 11-07-2022
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Consent to enter, inspect, and take photographs was given by: IVAN HERNANDEZ Documents uploaded to CERS were reviewed and field verified. The Spill Prevention Control and Countermeasure plan and related inspection and testing logs were reviewed on site. Review and correct any violations indicated previously in this report, on or before the COMPLY BY date associated with each violation. NOTE: The LAMC, Sections (L.A.M.C. SECTIONS 57.105.1.4; 57.120.3; 57.121.2 and 57.121.2.1.) requires businesses that store, use or handle hazardous materials in the City of Los Angeles to obtain a Consolidated Permit from the Los Angeles Fire Department CUPA. The California Health and Safety Code (CHAPTER 6.67 SECTION 25270) requires that facilities meeting either of the following requirements be added to the APSA (Aboveground Petroleum Storage Act) program and comply with the regulations set forth in the CHSC. Storage of any liquid petroleum based product stored in above ground tanks 55 [Truncated]
Eval Division: Los Angeles City Fire Department
Eval Program: APSA
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-30-2015
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Juan Moralez
Eval Division: Los Angeles County Fire Department

SO CALIFORNIA GAS CO (Continued) **S101585050**

Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 04-22-2021
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Ivan Hernandez, MERF Supervisor
Eval Division: Los Angeles County Fire Department
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 11-07-2022
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Consent to enter, inspect and take photographs was given by: IVAN HERNANDEZ The Business Activities, Owner/Operator Identification, Hazardous Materials Inventory, Site Map, Emergency Response/Contingency Plan and Employee Training Plan sections were reviewed in CERS and field verified. Review and correct any violations indicated previously in this report, on or before the COMPLY BY date associated with each violation. NOTE: The LAMC, Sections (L.A.M.C. SECTION 57.105.1.4; 57.120.3; 57.121.2 and 57.121.2.1.) requires businesses that store, use or handle hazardous materials in the City of Los Angeles to obtain a Consolidated Permit from the Los Angeles Fire Department CUPA **** Annual submission of a Hazardous Materials Business Plan into California Environmental Reporting System (CERS) is required between January 1 and March 1 of every year. Per L.A.M.C. 57.121.3.5, failure to submit the required hazardous material business plan (HMBP) information annually into CERS [Truncated]
Eval Division: Los Angeles City Fire Department
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 08-12-2019
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Consent to enter, inspect and take photographs was given by: Juan Morales The Business Activities, Owner/Operator Identification, Hazardous Materials Inventory, Site Map, Emergency Response/Contingency Plan and Employee Training Plan sections were reviewed in CERS and field verified. Review and correct any violations indicated previously in this report, on or before the COMPLY BY date associated with each violation. NOTE: The LAMC, Sections (L.A.M.C. SECTION 57.105.1.4; 57.120.3; 57.121.2 and 57.121.2.1.) requires businesses that store, use or handle hazardous materials in the City of Los Angeles to obtain a Consolidated Permit from the Los Angeles Fire Department CUPA **** Annual submission of a Hazardous Materials Business Plan into California Environmental Reporting System (CERS) is required between January 1 and March 1 of every year. Per L.A.M.C. 57.121.3.5, failure to submit the required hazardous material business plan (HMBP) information annually into CERS [Truncated]
Eval Division: Los Angeles City Fire Department
Eval Program: HMRRP
Eval Source: CERS,

SO CALIFORNIA GAS CO (Continued) **S101585050**

Eval General Type: Compliance Evaluation Inspection
Eval Date: 09-08-2018
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Consent given by Benito Arias, Technician
Eval Division: Los Angeles County Fire Department
Eval Program: HW
Eval Source: CERS,

Coordinates:
Site ID: 112555
Facility Name: Downtown Diversion
Env Int Type Code: HWG
Program ID: 10416013
Coord Name: Not reported
Ref Point Type Desc: Center of a facility or station.,
Latitude: 34.025560
Longitude: -118.229050

Affiliation:
Affiliation Type Desc: CUPA District
Entity Name: Los Angeles City Fire Department
Entity Title: Not reported
Affiliation Address: 200 North Main Street, Room 1780
Affiliation City: Los Angeles
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 90012
Affiliation Phone: (213) 978-3680,

Affiliation Type Desc: Facility Mailing Address
Entity Name: Mailing Address
Entity Title: Not reported
Affiliation Address: 2424 E. Olympic Blvd Blg 3
Affiliation City: Los Angeles
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 90021
Affiliation Phone: .

Affiliation Type Desc: Document Preparer
Entity Name: Luis Flores
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: .

Affiliation Type Desc: Environmental Contact
Entity Name: Patti Costa
Entity Title: Not reported
Affiliation Address: 9081 Tujunga Av.
Affiliation City: Sun Valley
Affiliation State: CA

SO CALIFORNIA GAS CO (Continued) **S101585050**

Affiliation Country: Not reported
Affiliation Zip: 91352
Affiliation Phone: .

Affiliation Type Desc: Operator
Entity Name: USA Waste of California Inc/
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: (818) 482-0367,

Affiliation Type Desc: Identification Signer
Entity Name: Luis Flores
Entity Title: District Manager
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: .

Affiliation Type Desc: Legal Owner
Entity Name: USA Waste of California Inc/
Entity Title: Not reported
Affiliation Address: 9081 Tujunga Av
Affiliation City: Sun valley
Affiliation State: CA
Affiliation Country: United States
Affiliation Zip: 91352
Affiliation Phone: (818) 252-3127,

Affiliation Type Desc: Parent Corporation
Entity Name: WASTE MANAGEMENT RECYCLING & DISPOSAL SERVICES OF CALIFORNIA, INC
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: .

Name: SOUTHERN CALIFORNIA GAS COMPANY
Address: 2424 E OLYMPIC BLVD
City,State,Zip: LOS ANGELES, CA 90021
Site ID: 155485
CERS ID: 10151515
CERS Description: Chemical Storage Facilities

Violations:
Site ID: 155485
Site Name: Southern California Gas Company
Violation Date: 10-16-2019
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)

SO CALIFORNIA GAS CO (Continued) **S101585050**

Violation Description: Failure to complete and electronically submit a site map with all required content.
Violation Notes: Returned to compliance on 01/09/2020. Review, update and resubmit the site map in CERS to include the following required missing elements: storm/sewer drains, evacuation areas, emergency shut offs. You can download detailed SITE MAP INSTRUCTIONS in the Hazardous Materials Business Plan (HMBP) Section using the following link https://www.lafd.org/fire-prevention/cupa/documents-forms ***Facility has been unstaffed for approximately 10 years. Please cross-out propane tank and any other hazardous materials that have been removed from facility.***
Violation Division: Los Angeles City Fire Department
Violation Program: HMRRP
Violation Source: CERS,

Site ID: 155485
Site Name: Southern California Gas Company
Violation Date: 10-16-2019
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description: Failure to establish and electronically submit an adequate emergency response plan and procedures for a release or threatened release of a hazardous material.
Violation Notes: Returned to compliance on 01/09/2020. Review, update and resubmit the Emergency Response/Contingency Plan and Employee Training Plan in CERS with all the required information. Ensure the phone numbers for the local CUPA (213) 978-3680, Regional Water Quality Control Board (213) 576-6600, and nearest hospital facility are inputted correctly. You can download the most current CONTINGENCY PLAN form as well as CONTINGENCY PLAN INSTRUCTIONS in the Hazardous Materials Business Plan Section (HMBP) using the following link https://www.lafd.org/fire-prevention/cupa/documents-forms ***PLEASE CORRECT THE CUPA PHONE NUMBER***
Violation Division: Los Angeles City Fire Department
Violation Program: HMRRP
Violation Source: CERS,

Evaluation:
Eval General Type: Other/Unknown
Eval Date: 07-16-2019
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: This a unman facility. Tried again to reach SCGC to speak with a representative. I was able to get to the call center and transferred me to Mr. Greg Gianelli, which I have left several message aout this site. The site is going through a clean up process and based on CERS part of the contaminants are petroleum base. el
Eval Division: Los Angeles City Fire Department
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 09-18-2013
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Los Angeles City Fire Department

SO CALIFORNIA GAS CO (Continued) **S101585050**

Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 10-16-2019
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Consent to enter, inspect and take photographs was given by: Facility unstaffed - verified with Daniel Kissane (So Cal Gas) The Business Activities, Owner/Operator Identification, Hazardous Materials Inventory, Site Map, Emergency Response/Contingency Plan and Employee Training Plan sections were reviewed in CERS and field verified. Review and correct any violations indicated previously in this report, on or before the COMPLY BY date associated with each violation. NOTE: The LAMC, Sections (L.A.M.C. SECTION 57.105.1.4; 57.120.3; 57.121.2 and 57.121.2.1.) requires businesses that store, use or handle hazardous materials in the City of Los Angeles to obtain a Consolidated Permit from the Los Angeles Fire Department CUPA **** Annual submission of a Hazardous Materials Business Plan into California Environmental Reporting System (CERS) is required between January 1 and March 1 of every year. Per L.A.M.C. 57.121.3.5, failure to submit the required hazardous material [Truncated]
Eval Division: Los Angeles City Fire Department
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 01-09-2020
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Off site reinspection. Reviewed and cleared previous violations issued on 10/16/19. Inspector reviewed past reports and CERS submittals. CERS was "Accepted" and all updated documents were verified.
Eval Division: Los Angeles City Fire Department
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-30-2015
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Erica E. Jacalone
Eval Division: Los Angeles County Fire Department
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 06-29-2021
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Greg Gianelli, Facility Manager
Eval Division: Los Angeles County Fire Department
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 10-01-2018

SO CALIFORNIA GAS CO (Continued) **S101585050**

Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Paul Nguyen
Eval Division: Los Angeles County Fire Department
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 11-23-2016
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Permission to inspect given by Paul Nguyen Inspection report emailed to pnguyen@semprautlities.com
Eval Division: Los Angeles City Fire Department
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 11-29-2022
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Consent to enter, inspect and take photographs was given by: Nenette Paulson The Business Activities, Owner/Operator Identification, Hazardous Materials Inventory, Site Map, Emergency Response/Contingency Plan and Employee Training Plan sections were reviewed in CERS and field verified. Review and correct any violations indicated previously in this report, on or before the COMPLY BY date associated with each violation. NOTE: The LAMC, Sections (L.A.M.C. SECTION 57.105.1.4; 57.120.3; 57.121.2 and 57.121.2.1.) requires businesses that store, use or handle hazardous materials in the City of Los Angeles to obtain a Consolidated Permit from the Los Angeles Fire Department CUPA **** Annual submission of a Hazardous Materials Business Plan into California Environmental Reporting System (CERS) is required between January 1 and March 1 of every year. Per L.A.M.C. 57.121.3.5, failure to submit the required hazardous material business plan (HMBP) information annually into [Truncated]
Eval Division: Los Angeles City Fire Department
Eval Program: HMRRP
Eval Source: CERS,

Coordinates:
Site ID: 155485
Facility Name: Southern California Gas Company
Env Int Type Code: HMBP
Program ID: 10151515
Coord Name: Not reported
Ref Point Type Desc: Center of a facility or station.,
Latitude: 34.025560
Longitude: -118.229050

Affiliation:
Affiliation Type Desc: Document Preparer
Entity Name: Nenette Paulson
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported

SO CALIFORNIA GAS CO (Continued) **S101585050**

Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	.
Affiliation Type Desc:	Environmental Contact
Entity Name:	Nenette Paulson
Entity Title:	Not reported
Affiliation Address:	8101 S Rosemead Blvd., ML#SC721A (Attn: Env Specialist)
Affiliation City:	Pico Rivera
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	90660
Affiliation Phone:	.
Affiliation Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	Not reported
Affiliation Address:	8101 Rosemead Boulevard ML#SC721A (Attn: Env Specialist)
Affiliation City:	Pico Rivera
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	90660
Affiliation Phone:	.
Affiliation Type Desc:	Identification Signer
Entity Name:	Nenette Paulson
Entity Title:	Environmental Specialist
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	.
Affiliation Type Desc:	CUPA District
Entity Name:	Los Angeles City Fire Department
Entity Title:	Not reported
Affiliation Address:	200 North Main Street, Room 1780
Affiliation City:	Los Angeles
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	90012
Affiliation Phone:	(213) 978-3680,
Affiliation Type Desc:	Legal Owner
Entity Name:	SOUTHERN CALIFORNIA GAS CO
Entity Title:	Not reported
Affiliation Address:	555 W FIFTH STREET
Affiliation City:	Los Angeles
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	90013
Affiliation Phone:	(323) 680-7774,
Affiliation Type Desc:	Property Owner
Entity Name:	Southern California Gas Company

SO CALIFORNIA GAS CO (Continued) **S101585050**

Entity Title:	Not reported
Affiliation Address:	8101 S Rosemead Blvd., ML#SC721A (Attn: Env Specialist)
Affiliation City:	Pico Rivera
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	90660
Affiliation Phone:	(323) 680-7774,
Affiliation Type Desc:	Operator
Entity Name:	Southern California Gas Company
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	(323) 680-7774,
Affiliation Type Desc:	Parent Corporation
Entity Name:	Southern California Gas Company
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	.

BA284 **SOUTHERN CALIFORNIA GAS COMPANY, OLYMPIC BASE SITE** **CA BOND EXP. PLAN** **S100833289**
SE **2424 EAST OLYMPIC BOULEVARD** **N/A**
1/2-1 **LOS ANGELES, CA 90023**
0.701 mi.
3700 ft. **Site 2 of 5 in cluster BA**

Relative: **Lower**

Actual: **233 ft.**

CA BOND EXP. PLAN:

Reponsible Party:	RESPONSIBLE PARTY-LEAD SITE CLEANUP WORKPLAN
Project Revenue Source Company:	Not reported
Project Revenue Source Addr:	Not reported
Project Revenue Source City,St,Zip:	Not reported
Project Revenue Source Desc:	Southern California Gas has entered into a consent order with DHS for oversight/monitoring of its cleanup efforts. DHS has budgeted $50,000 for direct costs related to the project. DHS will recover 100 percent of direct costs plus staff costs and overhead related to the project. The responsible parties will pay all costs associated with site cleanup.
Site Description:	The Olympic Base facility, currently owned by Southern California Gas Company, is the site of a former oil gasification "towne gas" plant.
Hazardous Waste Desc:	The wastes are generally characterized as polynuclear or polycyclic aromatic hydrocarbons (PNAs or PAHs). Other constituents of concern are cyanide, lead, and semivolatile organics. Soil contamination is present at the site from the surface to a depth of 10 to 15 feet in both the northern and southern portions of the site.
Threat To Public Health & Env:	The primary concern is potential contamination of ground water. Usable ground water lies approximately 200 feet below the ground surface and the water table may rise to only 100 feet below the site. Ground water contamination has not been verified. Surface soil contamination may migrate offsite due to airborne particulates.
Site Activity Status:	The Southern California Gas Company has completed a remedial

SOUTHERN CALIFORNIA GAS COMPANY, OLYMPIC BASE SITE (Continued) **S100833289**

investigation/feasibility study.

BA285
SE
1/2-1
0.701 mi.
3700 ft.

Relative:
Lower

Actual:
233 ft.

SOUTHERN CALIFORNIA GAS CO
2424 E. OLYMPIC BLVD.
LOS ANGELES, CA 90021

Site 3 of 5 in cluster BA

SEMS-ARCHIVE **1000166039**
CORRACTS **CAD981422017**
RCRA-TSDF
RCRA-LQG
US FIN ASSUR
2020 COR ACTION
PADS
ICE
HWP

SEMS Archive:

Site ID:	0902421
EPA ID:	CAD981422017
Name:	SO CA GAS CO OLYMPIC BASE
Address:	2424 E OLYMPIC BLVD
Address 2:	Not reported
City,State,Zip:	LOS ANGELES, CA 90021
Cong District:	25
FIPS Code:	06037
FF:	N
NPL:	Not on the NPL
Non NPL Status:	NFRAP-Site does not qualify for the NPL based on existing information

SEMS Archive Detail:

Region:	09
Site ID:	0902421
EPA ID:	CAD981422017
Site Name:	SO CA GAS CO OLYMPIC BASE
NPL:	N
FF:	N
OU:	00
Action Code:	VS
Action Name:	ARCH SITE
SEQ:	1
Start Date:	Not reported
Finish Date:	1989-02-22 05:00:00
Qual:	Not reported
Current Action Lead:	EPA Perf In-Hse

Region:	09
Site ID:	0902421
EPA ID:	CAD981422017
Site Name:	SO CA GAS CO OLYMPIC BASE
NPL:	N
FF:	N
OU:	00
Action Code:	PA
Action Name:	PA
SEQ:	1
Start Date:	Not reported
Finish Date:	1989-02-22 05:00:00
Qual:	N
Current Action Lead:	EPA Perf

Region:	09
Site ID:	0902421

SOUTHERN CALIFORNIA GAS CO (Continued) **1000166039**

EPA ID: CAD981422017
Site Name: SO CA GAS CO OLYMPIC BASE
NPL: N
FF: N
OU: 00
Action Code: DS
Action Name: DISCVRY
SEQ: 1
Start Date: 1981-06-01 04:00:00
Finish Date: 1981-06-01 04:00:00
Qual: Not reported
Current Action Lead: EPA Perf

Region: 09
Site ID: 0902421
EPA ID: CAD981422017
Site Name: SO CA GAS CO OLYMPIC BASE
NPL: N
FF: N
OU: 00
Action Code: PA
Action Name: PA
SEQ: 2
Start Date: 1984-03-01 05:00:00
Finish Date: 1984-09-01 05:00:00
Qual: L
Current Action Lead: St Perf

CORRACTS:
Name: SOUTHERN CALIFORNIA GAS CO
Address: 2424 E. OLYMPIC BLVD.
Address 2: Not reported
EPA ID: CAD981422017
Area Name: ENTIRE FACILITY
Corrective Action: REMEDY CONSTRUCTION-REMEDY CONSTRUCTED
Actual Date: 20110930
Air Release Indicator: Not reported
Groundwater Release Indicator: Not reported
Soil Release Indicator: Not reported
Surface Water Release Indicator: Not reported

Name: SOUTHERN CALIFORNIA GAS CO
Address: 2424 E. OLYMPIC BLVD.
Address 2: Not reported
EPA ID: CAD981422017
Area Name: ENTIRE FACILITY
Corrective Action: HUMAN EXPOSURES CONTROLLED DETERMINATION-YES, APPLICABLE AS OF THIS DATE
Actual Date: 20110930
Air Release Indicator: Not reported
Groundwater Release Indicator: Not reported
Soil Release Indicator: Not reported
Surface Water Release Indicator: Not reported

Name: SOUTHERN CALIFORNIA GAS CO
Address: 2424 E. OLYMPIC BLVD.

SOUTHERN CALIFORNIA GAS CO (Continued) **1000166039**

Address 2: Not reported
EPA ID: CAD981422017
Area Name: ENTIRE FACILITY
Corrective Action: RELEASE TO GW CONTROLLED DETERMINATION-YES, APPLICABLE AS OF THIS DATE
Actual Date: 20110930
Air Release Indicator: Not reported
Groundwater Release Indicator: Not reported
Soil Release Indicator: Not reported
Surface Water Release Indicator: Not reported

RCRA TSDF:
Treatment Storage and Disposal Type: Storage
Full Enforcement Universe: Storage
Corrective Action Workload Universe: Yes
Permit Renewals Workload Universe: Storage
Permit Workload Universe: Storage
Permit Progress Universe: Storage
Post-Closure Workload Universe: Not reported
Closure Workload Universe: Not reported
Operating TSDF Universe: Storage
Commercial TSD Indicator: No
Active Site Fed-Reg Treatment Storage and Disposal Facility: Storage
Active Site Converter Treatment storage and Disposal Facility: Not reported
Active Site State-Reg Treatment Storage and Disposal Facility: Not reported
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe: Yes
TSDFs Only Subject to CA under Discretionary Auth Universe: No

Biennial: List of Years
Year: 2019

Click Here for Biennial Reporting System Data:
Year: 2017

Click Here for Biennial Reporting System Data:
Year: 2015

Click Here for Biennial Reporting System Data:
Year: 2013

Click Here for Biennial Reporting System Data:
Year: 2009

Click Here for Biennial Reporting System Data:
Year: 2007

Click Here for Biennial Reporting System Data:
Year: 2005

Click Here for Biennial Reporting System Data:
Year: 2001

Click Here for Biennial Reporting System Data:

RCRA Listings:
Date Form Received by Agency: 20220228
Handler Name: SOUTHERN CALIFORNIA GAS CO

SOUTHERN CALIFORNIA GAS CO (Continued) **1000166039**

Handler Address:	2424 E. OLYMPIC BLVD.
Handler City,State,Zip:	LOS ANGELES, CA 90021-0000
EPA ID:	CAD981422017
Contact Name:	NANCY LEE
Contact Address:	S. ROSEMEAD BLVD.
Contact City,State,Zip:	PICO RIVERA, CA 90660
Contact Telephone:	562-806-4419
Contact Fax:	Not reported
Contact Email:	NLEE2@SOCALGAS.COM
Contact Title:	SR. ENVIRONMENTAL SPECIALIST
EPA Region:	09
Land Type:	Private
Federal Waste Generator Description:	Large Quantity Generator
Non-Notifier:	Not reported
Biennial Report Cycle:	2021
Accessibility:	Not reported
Active Site Indicator:	Handler Activities, Permitting Activities, Corrective Action Activities
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	S. ROSEMEAD BLVD.
Mailing City,State,Zip:	PICO RIVERA, CA 90660
Owner Name:	SOUTHERN CALIFORNIA GAS COMPANY
Owner Type:	Private
Operator Name:	SOUTHERN CALIFORNIA GAS COMPANY
Operator Type:	Private
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	Yes
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Storage
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Storage
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Accomplished
Permit Renewals Workload Universe:	Storage
Permit Workload Universe:	Storage
Permit Progress Universe:	Storage
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	Yes
Corrective Action Workload Universe:	Yes

SOUTHERN CALIFORNIA GAS CO (Continued) **1000166039**

Subject to Corrective Action Universe:	Yes
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	Yes
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	Yes
Groundwater Controls Indicator:	Yes
Operating TSDF Universe:	Storage
Full Enforcement Universe:	Storage
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Closure, Sudden Third-Party Liability
Handler Date of Last Change:	20220518
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Biennial: List of Years
Year: 2019

Click Here for Biennial Reporting System Data:
Year: 2017

Click Here for Biennial Reporting System Data:
Year: 2015

Click Here for Biennial Reporting System Data:
Year: 2013

Click Here for Biennial Reporting System Data:
Year: 2009

Click Here for Biennial Reporting System Data:
Year: 2007

Click Here for Biennial Reporting System Data:
Year: 2005

Click Here for Biennial Reporting System Data:
Year: 2001

Click Here for Biennial Reporting System Data:

Hazardous Waste Summary:
Waste Code: D001
Waste Description: IGNITABLE WASTE

Waste Code: D002

SOUTHERN CALIFORNIA GAS CO (Continued) **1000166039**

Waste Description: CORROSIVE WASTE

Waste Code: D004
Waste Description: ARSENIC

Waste Code: D005
Waste Description: BARIUM

Waste Code: D007
Waste Description: CHROMIUM

Waste Code: D008
Waste Description: LEAD

Waste Code: D018
Waste Description: BENZENE

Handler - Owner Operator:
Owner/Operator Indicator: Owner
Owner/Operator Name: SOUTHERN CALIFORNIA GAS COMPANY
Legal Status: Private
Date Became Current: 19850105
Date Ended Current: Not reported
Owner/Operator Address: 6875 CONSOLIDATED WAY
Owner/Operator City,State,Zip: SAN DIEGO, CA 92121
Owner/Operator Telephone: 858-653-3104
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner
Owner/Operator Name: SOUTHERN CALIFORNIA GAS COMPANY
Legal Status: Private
Date Became Current: 19880617
Date Ended Current: Not reported
Owner/Operator Address: 8101 S. ROSEMEAD BLVD. NANCY LEE
Owner/Operator City,State,Zip: PICO RIVERA, CA 90660
Owner/Operator Telephone: 562-806-4419
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner
Owner/Operator Name: SOUTHERN CALIFORNIA GAS COMPANY
Legal Status: Private
Date Became Current: 19830516
Date Ended Current: Not reported
Owner/Operator Address: 555 W. FIFTH STREET
Owner/Operator City,State,Zip: LOS ANGELES, CA 90013
Owner/Operator Telephone: 562-806-4419
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: NLEE2@SOCALGAS.COM

Owner/Operator Indicator: Operator
Owner/Operator Name: SOUTHERN CALIFORNIA GAS COMPANY
Legal Status: Private

SOUTHERN CALIFORNIA GAS CO (Continued) **1000166039**

Date Became Current:	19830516
Date Ended Current:	Not reported
Owner/Operator Address:	555 W. FIFTH STREET
Owner/Operator City,State,Zip:	LOS ANGELES, CA 90013
Owner/Operator Telephone:	562-806-4419
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	NLEE2@SOCALGAS.COM

Owner/Operator Indicator:	Operator
Owner/Operator Name:	SOUTHERN CALIFORNIA GAS COMPANY
Legal Status:	Private
Date Became Current:	19880617
Date Ended Current:	Not reported
Owner/Operator Address:	8101 S. ROSEMEAD BLVD. NANCY L
Owner/Operator City,State,Zip:	PICO RIVERA, CA 90660
Owner/Operator Telephone:	562-806-4419
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Owner
Owner/Operator Name:	SOUTHERN CALIFORNIA GAS COMPANY
Legal Status:	Private
Date Became Current:	19880617
Date Ended Current:	Not reported
Owner/Operator Address:	8101 SOUTH ROSEMEAD BLVD., SC721A
Owner/Operator City,State,Zip:	PICO RIVERA, CA 90660
Owner/Operator Telephone:	562-806-4419
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Owner
Owner/Operator Name:	SOUTHERN CALIFORNIA GAS COMPANY
Legal Status:	Private
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	555 W. FIFTH STREET
Owner/Operator City,State,Zip:	LOS ANGELES, CA 90013
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Owner
Owner/Operator Name:	SOUTHERN CALIFORNIA GAS COMPANY
Legal Status:	Private
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	555 W. FIFTH STREET
Owner/Operator City,State,Zip:	LOS ANGELES, CA 90013
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

SOUTHERN CALIFORNIA GAS CO (Continued) **1000166039**

Owner/Operator Indicator: Operator
Owner/Operator Name: SOUTHERN CALIFORNIA GAS COMPANY
Legal Status: Private
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: 555 W. FIFTH STREET
Owner/Operator City,State,Zip: LOS ANGELES, CA 90013
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator
Owner/Operator Name: SOUTHERN CALIFORNIA GAS COMPANY
Legal Status: Private
Date Became Current: 19850105
Date Ended Current: Not reported
Owner/Operator Address: Not reported
Owner/Operator City,State,Zip: Not reported
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator
Owner/Operator Name: SOUTHERN CALIFORNIA GAS COMPANY
Legal Status: Private
Date Became Current: 19830516
Date Ended Current: Not reported
Owner/Operator Address: 8101 S. ROSEMEAD BLVD.
Owner/Operator City,State,Zip: PICO RIVERA, CA 90660
Owner/Operator Telephone: 562-806-4419
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: NLEE2@SEMPRAUTILITIES.COM

Owner/Operator Indicator: Operator
Owner/Operator Name: SOUTHERN CALIFORNIA GAS CO
Legal Status: Private
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: BOX 3249 ML 722A
Owner/Operator City,State,Zip: LOS ANGELES, CA 90051-1249
Owner/Operator Telephone: 310-806-4202
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator
Owner/Operator Name: SOUTHERN CALIFORNIA GAS COMPANY
Legal Status: Private
Date Became Current: 19880617
Date Ended Current: Not reported
Owner/Operator Address: Not reported
Owner/Operator City,State,Zip: Not reported
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported

SOUTHERN CALIFORNIA GAS CO (Continued) **1000166039**

Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner
Owner/Operator Name: SOUTHERN CALIFORNIA GAS COMPANY
Legal Status: Private
Date Became Current: 19830516
Date Ended Current: Not reported
Owner/Operator Address: 8101 S. ROSEMEAD BLVD.
Owner/Operator City,State,Zip: PICO RIVERA, CA 90660
Owner/Operator Telephone: 562-806-4419
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: NLEE2@SEMPRAUTILITIES.COM

Owner/Operator Indicator: Owner
Owner/Operator Name: SOUTHERN CALIFORNIA GAS COMPANY
Legal Status: Private
Date Became Current: 19810701
Date Ended Current: Not reported
Owner/Operator Address: 555 WEST FIFTH ST
Owner/Operator City,State,Zip: LOS ANGELES, CA 90013
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner
Owner/Operator Name: SOUTHERN CALIFORNIA GAS COMPANY
Legal Status: Private
Date Became Current: 19810706
Date Ended Current: Not reported
Owner/Operator Address: 555 WEST FIFTH ST
Owner/Operator City,State,Zip: LOS ANGELES, CA 90013
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator
Owner/Operator Name: SOUTHERN CALIFORNIA GAS COMPANY
Legal Status: Private
Date Became Current: 19810706
Date Ended Current: Not reported
Owner/Operator Address: Not reported
Owner/Operator City,State,Zip: Not reported
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator
Owner/Operator Name: SOUTHERN CALIFORNIA GAS COMPANY
Legal Status: Private
Date Became Current: 19810701
Date Ended Current: Not reported
Owner/Operator Address: Not reported

SOUTHERN CALIFORNIA GAS CO (Continued) **1000166039**

Owner/Operator City,State,Zip: Not reported
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator
Owner/Operator Name: SOUTHERN CALIFORNIA GAS COMPANY
Legal Status: Private
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: 555 W. FIFTH STREET
Owner/Operator City,State,Zip: LOS ANGELES, CA 90013
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner
Owner/Operator Name: SOUTHERN CALIFORNIA GAS CO
Legal Status: Private
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: P O BOX 3249 M L 27B1
Owner/Operator City,State,Zip: LOS ANGELES, CA 90051-1249
Owner/Operator Telephone: 213-244-8900
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:
Receive Date: 20100621
Handler Name: SOUTHERN CALIFORNIA GAS COMPANY-OLYMPIC
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20140301
Handler Name: SOUTHERN CALIFORNIA GAS COMPANY-OLYMPIC
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

SOUTHERN CALIFORNIA GAS CO (Continued) **1000166039**

Receive Date: 20160219
Handler Name: SOUTHERN CALIFORNIA GAS COMPANY
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20180222
Handler Name: SOUTHERN CALIFORNIA GAS CO
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: No
Electronic Manifest Broker: No

Receive Date: 20200226
Handler Name: SOUTHERN CALIFORNIA GAS CO
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: No
Electronic Manifest Broker: No

Receive Date: 20210225
Handler Name: SOUTHERN CALIFORNIA GAS CO
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: No
Electronic Manifest Broker: No

Receive Date: 20220228
Handler Name: SOUTHERN CALIFORNIA GAS CO
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No

SOUTHERN CALIFORNIA GAS CO (Continued) **1000166039**

Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	No
Electronic Manifest Broker:	No

Receive Date:	19931213
Handler Name:	THE GAS CO OLYMPIC BASE
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	CA
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	No
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

Receive Date:	19930719
Handler Name:	THE GAS CO OLYMPIC BASE
Federal Waste Generator Description:	Small Quantity Generator
State District Owner:	CA
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	No
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

Receive Date:	19900416
Handler Name:	SOUTHERN CALIFORNIA GAS COMPANY
Federal Waste Generator Description:	Large Quantity Generator
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	No
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

Receive Date:	19920227
Handler Name:	SO CA GAS CO OLYMPIC BASE
Federal Waste Generator Description:	Large Quantity Generator
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	No

SOUTHERN CALIFORNIA GAS CO (Continued) **1000166039**

Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 19940328
Handler Name: SOUTHERN CALIFORNIA GAS CO. OLYMPIC BASE
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 19960425
Handler Name: OLYMPIC PCB STORAGE FACILITY
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 19990304
Handler Name: OLYMPIC PCB STORAGE FACILITY
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20001012
Handler Name: OLYMPIC STORAGE FACILITY
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20020215
Handler Name: SOUTHERN CALIFORNIA GAS COMPANY OLYMPIC

SOUTHERN CALIFORNIA GAS CO (Continued) **1000166039**

Federal Waste Generator Description:	Large Quantity Generator
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	No
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

Receive Date:	20060321
Handler Name:	SOUTHERN CALIFORNIA GAS CO - OLYMPIC
Federal Waste Generator Description:	Large Quantity Generator
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	No
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

Receive Date:	20080702
Handler Name:	SOUTHERN CALIFORNIA GAS COMPANY - OLYMPIC
Federal Waste Generator Description:	Small Quantity Generator
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	No
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

List of NAICS Codes and Descriptions:

NAICS Code:	211111
NAICS Description:	CRUDE PETROLEUM AND NATURAL GAS EXTRACTION
NAICS Code:	221121
NAICS Description:	ELECTRIC BULK POWER TRANSMISSION AND CONTROL
NAICS Code:	2212
NAICS Description:	NATURAL GAS DISTRIBUTION
NAICS Code:	22121
NAICS Description:	NATURAL GAS DISTRIBUTION
NAICS Code:	221210
NAICS Description:	NATURAL GAS DISTRIBUTION
NAICS Code:	48621
NAICS Description:	PIPELINE TRANSPORTATION OF NATURAL GAS
NAICS Code:	486210

SOUTHERN CALIFORNIA GAS CO (Continued) **1000166039**

NAICS Description: PIPELINE TRANSPORTATION OF NATURAL GAS

Facility Has Received Notices of Violation:

Found Violation:	No
Agency Which Determined Violation:	Not reported
Violation Short Description:	Not reported
Date Violation was Determined:	Not reported
Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	Not reported
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Found Violation:	No
Agency Which Determined Violation:	Not reported
Violation Short Description:	Not reported
Date Violation was Determined:	Not reported
Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	Not reported
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported

SOUTHERN CALIFORNIA GAS CO (Continued) **1000166039**

Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	Permits - Conditions
Date Violation was Determined:	20190910
Actual Return to Compliance Date:	20190912
Return to Compliance Qualifier:	Documented
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	518
Date of Enforcement Action:	20191031
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported

SOUTHERN CALIFORNIA GAS CO (Continued) **1000166039**

Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: TSD - Financial Requirements
Date Violation was Determined: 20060612
Actual Return to Compliance Date: 20060731
Return to Compliance Qualifier: Documented
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: 505
Date of Enforcement Action: 20060613
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: No
Agency Which Determined Violation: Not reported
Violation Short Description: Not reported
Date Violation was Determined: Not reported
Actual Return to Compliance Date: Not reported
Return to Compliance Qualifier: Not reported
Violation Responsible Agency: Not reported
Scheduled Compliance Date: Not reported
Enforcement Identifier: Not reported
Date of Enforcement Action: Not reported
Enforcement Responsible Agency: Not reported
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: Not reported
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported

SOUTHERN CALIFORNIA GAS CO (Continued) **1000166039**

Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: No
Agency Which Determined Violation: Not reported
Violation Short Description: Not reported
Date Violation was Determined: Not reported
Actual Return to Compliance Date: Not reported
Return to Compliance Qualifier: Not reported
Violation Responsible Agency: Not reported
Scheduled Compliance Date: Not reported
Enforcement Identifier: Not reported
Date of Enforcement Action: Not reported
Enforcement Responsible Agency: Not reported
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: Not reported
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported

SOUTHERN CALIFORNIA GAS CO (Continued) **1000166039**

Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: TSD - Financial Requirements
Date Violation was Determined: 20071031
Actual Return to Compliance Date: 20100413
Return to Compliance Qualifier: Documented
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: 200
Date of Enforcement Action: 20071101
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: TSD - Financial Requirements
Date Violation was Determined: 20060612
Actual Return to Compliance Date: 20100413
Return to Compliance Qualifier: Documented
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: 505
Date of Enforcement Action: 20060613
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported

SOUTHERN CALIFORNIA GAS CO (Continued) **1000166039**

Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	State Statute or Regulation
Date Violation was Determined:	20081006
Actual Return to Compliance Date:	20100413
Return to Compliance Qualifier:	Documented
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	509
Date of Enforcement Action:	20081007
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported

SOUTHERN CALIFORNIA GAS CO (Continued) **1000166039**

Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	No
Agency Which Determined Violation:	Not reported
Violation Short Description:	Not reported
Date Violation was Determined:	Not reported
Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	Not reported
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	No
Agency Which Determined Violation:	Not reported
Violation Short Description:	Not reported
Date Violation was Determined:	Not reported
Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	Not reported
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported

SOUTHERN CALIFORNIA GAS CO (Continued) **1000166039**

Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: State Statute or Regulation
Date Violation was Determined: 20081006
Actual Return to Compliance Date: 20100413
Return to Compliance Qualifier: Documented
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: 200
Date of Enforcement Action: 20081007
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported

SOUTHERN CALIFORNIA GAS CO (Continued) **1000166039**

Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	No
Agency Which Determined Violation:	Not reported
Violation Short Description:	Not reported
Date Violation was Determined:	Not reported
Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	Not reported
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	No
Agency Which Determined Violation:	Not reported
Violation Short Description:	Not reported
Date Violation was Determined:	Not reported
Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	Not reported
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported

SOUTHERN CALIFORNIA GAS CO (Continued) **1000166039**

Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: No
Agency Which Determined Violation: Not reported
Violation Short Description: Not reported
Date Violation was Determined: Not reported
Actual Return to Compliance Date: Not reported
Return to Compliance Qualifier: Not reported
Violation Responsible Agency: Not reported
Scheduled Compliance Date: Not reported
Enforcement Identifier: Not reported
Date of Enforcement Action: Not reported
Enforcement Responsible Agency: Not reported
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: Not reported
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported

SOUTHERN CALIFORNIA GAS CO (Continued) **1000166039**

Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	TSD - Financial Requirements
Date Violation was Determined:	20071031
Actual Return to Compliance Date:	20100413
Return to Compliance Qualifier:	Documented
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	507
Date of Enforcement Action:	20071031
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	No
Agency Which Determined Violation:	Not reported
Violation Short Description:	Not reported
Date Violation was Determined:	Not reported
Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	Not reported
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported

SOUTHERN CALIFORNIA GAS CO (Continued) **1000166039**

Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: No
Agency Which Determined Violation: Not reported
Violation Short Description: Not reported
Date Violation was Determined: Not reported
Actual Return to Compliance Date: Not reported
Return to Compliance Qualifier: Not reported
Violation Responsible Agency: Not reported
Scheduled Compliance Date: Not reported
Enforcement Identifier: Not reported
Date of Enforcement Action: Not reported
Enforcement Responsible Agency: Not reported
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: Not reported
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported

SOUTHERN CALIFORNIA GAS CO (Continued) **1000166039**

Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: Permits - Conditions
Date Violation was Determined: 20190910
Actual Return to Compliance Date: 20190912
Return to Compliance Qualifier: Documented
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: 209
Date of Enforcement Action: 20190911
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: No
Agency Which Determined Violation: Not reported
Violation Short Description: Not reported
Date Violation was Determined: Not reported
Actual Return to Compliance Date: Not reported
Return to Compliance Qualifier: Not reported
Violation Responsible Agency: Not reported
Scheduled Compliance Date: Not reported
Enforcement Identifier: Not reported
Date of Enforcement Action: Not reported
Enforcement Responsible Agency: Not reported
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: Not reported
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported

SOUTHERN CALIFORNIA GAS CO (Continued) **1000166039**

Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: No
Agency Which Determined Violation: Not reported
Violation Short Description: Not reported
Date Violation was Determined: Not reported
Actual Return to Compliance Date: Not reported
Return to Compliance Qualifier: Not reported
Violation Responsible Agency: Not reported
Scheduled Compliance Date: Not reported
Enforcement Identifier: Not reported
Date of Enforcement Action: Not reported
Enforcement Responsible Agency: Not reported
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: Not reported
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported

SOUTHERN CALIFORNIA GAS CO (Continued) **1000166039**

Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	No
Agency Which Determined Violation:	Not reported
Violation Short Description:	Not reported
Date Violation was Determined:	Not reported
Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	Not reported
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	No
Agency Which Determined Violation:	Not reported
Violation Short Description:	Not reported
Date Violation was Determined:	Not reported
Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	Not reported
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported

SOUTHERN CALIFORNIA GAS CO (Continued) **1000166039**

Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: TSD - Financial Requirements
Date Violation was Determined: 20060612
Actual Return to Compliance Date: 20060731
Return to Compliance Qualifier: Documented
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: 200
Date of Enforcement Action: 20060613
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported

SOUTHERN CALIFORNIA GAS CO (Continued) **1000166039**

Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	No
Agency Which Determined Violation:	Not reported
Violation Short Description:	Not reported
Date Violation was Determined:	Not reported
Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	Not reported
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	No
Agency Which Determined Violation:	Not reported
Violation Short Description:	Not reported
Date Violation was Determined:	Not reported
Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	Not reported
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported

SOUTHERN CALIFORNIA GAS CO (Continued) **1000166039**

Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: No
Agency Which Determined Violation: Not reported
Violation Short Description: Not reported
Date Violation was Determined: Not reported
Actual Return to Compliance Date: Not reported
Return to Compliance Qualifier: Not reported
Violation Responsible Agency: Not reported
Scheduled Compliance Date: Not reported
Enforcement Identifier: Not reported
Date of Enforcement Action: Not reported
Enforcement Responsible Agency: Not reported
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: Not reported
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported

SOUTHERN CALIFORNIA GAS CO (Continued) **1000166039**

Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	No
Agency Which Determined Violation:	Not reported
Violation Short Description:	Not reported
Date Violation was Determined:	Not reported
Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	Not reported
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	No
Agency Which Determined Violation:	Not reported
Violation Short Description:	Not reported
Date Violation was Determined:	Not reported
Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	Not reported
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported

SOUTHERN CALIFORNIA GAS CO (Continued) **1000166039**

Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: No
Agency Which Determined Violation: Not reported
Violation Short Description: Not reported
Date Violation was Determined: Not reported
Actual Return to Compliance Date: Not reported
Return to Compliance Qualifier: Not reported
Violation Responsible Agency: Not reported
Scheduled Compliance Date: Not reported
Enforcement Identifier: Not reported
Date of Enforcement Action: Not reported
Enforcement Responsible Agency: Not reported
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: Not reported
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported

SOUTHERN CALIFORNIA GAS CO (Continued) **1000166039**

Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: TSD - Financial Requirements
Date Violation was Determined: 20060612
Actual Return to Compliance Date: 20100413
Return to Compliance Qualifier: Documented
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: 200
Date of Enforcement Action: 20060613
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Evaluation Action Summary:
Evaluation Date: 20210929
Evaluation Responsible Agency: State
Found Violation: No
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: Not reported
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: Not reported
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 19960223
Evaluation Responsible Agency: State

SOUTHERN CALIFORNIA GAS CO (Continued) **1000166039**

Found Violation:	No
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	20190910
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	20190912
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	20060612
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	FINANCIAL RECORD REVIEW
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	20060731
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	20010209
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	20040203
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	FINANCIAL RECORD REVIEW
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported

SOUTHERN CALIFORNIA GAS CO (Continued) **1000166039**

Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20071031
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	FINANCIAL RECORD REVIEW
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	20100413
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20060612
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	FINANCIAL RECORD REVIEW
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	20100413
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20061006
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	FINANCIAL RECORD REVIEW
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	20100413
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20211029
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	FINANCIAL RECORD REVIEW
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

SOUTHERN CALIFORNIA GAS CO (Continued) **1000166039**

Evaluation Date:	20131217
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	20081006
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	FINANCIAL RECORD REVIEW
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	20100413
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	20171018
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	20040209
Evaluation Responsible Agency:	State Contractor/Grantee
Found Violation:	No
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	20120924
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	FINANCIAL RECORD REVIEW
Evaluation Responsible Person Identifier:	Not reported

SOUTHERN CALIFORNIA GAS CO (Continued) **1000166039**

Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20071031
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	FINANCIAL RECORD REVIEW
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	20100413
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20031230
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20071029
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20190910
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	20190912
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported

SOUTHERN CALIFORNIA GAS CO (Continued) **1000166039**

Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20190923
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	FINANCIAL RECORD REVIEW
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20010221
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	FINANCIAL RECORD REVIEW
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20140620
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	FINANCIAL RECORD REVIEW
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20120427
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20060612
Evaluation Responsible Agency:	State

SOUTHERN CALIFORNIA GAS CO (Continued) **1000166039**

Found Violation:	Yes
Evaluation Type Description:	FINANCIAL RECORD REVIEW
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	20060731
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	20110913
Evaluation Responsible Agency:	EPA
Found Violation:	No
Evaluation Type Description:	FINANCIAL RECORD REVIEW
Evaluation Responsible Person Identifier:	CSEIT
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	20080916
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	20060420
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	20171025
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	FINANCIAL RECORD REVIEW
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported

SOUTHERN CALIFORNIA GAS CO (Continued) **1000166039**

Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20160624
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	FINANCIAL RECORD REVIEW
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20150916
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20060612
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	FINANCIAL RECORD REVIEW
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	20100413
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

SOUTHERN CALIFORNIA GAS CO (Continued) **1000166039**

US FIN ASSUR:

Name:	SOUTHERN CALIFORNIA GAS CO
Address:	2424 E. OLYMPIC BLVD.
City,State,Zip:	LOS ANGELES, CA
EPA ID:	CAD981422017
County:	Not reported
Mechanism type:	F
Mechanism Type Description:	FINANCIAL TEST
Cost estimate:	2000000
Face value:	2000000
Effective date:	2016-03-30 00:00:00
Provider:	SOUTHERN CALIFORNIA GAS CO
EPA region:	9

Name:	SOUTHERN CALIFORNIA GAS CO
Address:	2424 E. OLYMPIC BLVD.
City,State,Zip:	LOS ANGELES, CA
EPA ID:	CAD981422017
County:	Not reported
Mechanism type:	F
Mechanism Type Description:	FINANCIAL TEST
Cost estimate:	6000000
Face value:	6000000
Effective date:	2016-03-30 00:00:00
Provider:	SOUTHERN CALIFORNIA GAS CO
EPA region:	9

Name:	SOUTHERN CALIFORNIA GAS CO
Address:	2424 E. OLYMPIC BLVD.
City,State,Zip:	LOS ANGELES, CA
EPA ID:	CAD981422017
County:	Not reported
Mechanism type:	F
Mechanism Type Description:	FINANCIAL TEST
Cost estimate:	323808
Face value:	420171
Effective date:	2016-03-30 00:00:00
Provider:	SOUTHERN CALIFORNIA GAS CO
EPA region:	9

Name:	SOUTHERN CALIFORNIA GAS CO
Address:	2424 E. OLYMPIC BLVD.
City,State,Zip:	LOS ANGELES, CA
EPA ID:	CAD981422017
County:	Not reported
Mechanism type:	F
Mechanism Type Description:	FINANCIAL TEST
Cost estimate:	323808
Face value:	8433294
Effective date:	2018-03-22 00:00:00
Provider:	SOUTHERN CALIFORNIA GAS CO
EPA region:	9

Name:	SOUTHERN CALIFORNIA GAS CO
Address:	2424 E. OLYMPIC BLVD.
City,State,Zip:	LOS ANGELES, CA
EPA ID:	CAD981422017

SOUTHERN CALIFORNIA GAS CO (Continued) **1000166039**

County:	Not reported
Mechanism type:	F
Mechanism Type Description:	FINANCIAL TEST
Cost estimate:	8000000
Face value:	8433294
Effective date:	2018-03-22 00:00:00
Provider:	SOUTHERN CALIFORNIA GAS CO
EPA region:	9

Name:	SOUTHERN CALIFORNIA GAS CO
Address:	2424 E. OLYMPIC BLVD.
City,State,Zip:	LOS ANGELES, CA
EPA ID:	CAD981422017
County:	Not reported
Mechanism type:	F
Mechanism Type Description:	FINANCIAL TEST
Cost estimate:	2000000
Face value:	2357258
Effective date:	2008-03-24 00:00:00
Provider:	CALIFORNIA EDISON CO.
EPA region:	9

2020 COR ACTION:

EPA ID:	CAD981422017
Region:	9
Action:	Remedy Construction

PADS:

Name:	SOUTHERN CALIF GAS OLYMPIC BAS
Address:	2424 E OLYMPIC BLVD
Address 2:	Not reported
City,State,Zip:	LOS ANGELES, CA 90021
EDR ID:	1000166039
EPAID:	CAD981422017
Region:	9
Generator:	Y
Storer:	N
Disposer:	N
Transporter:	N
Smelter:	N
Research Facility:	N
Mailing Address:	8101 S ROSEMEAD BLVD M L 722A
Mailing Address 2:	Not reported
Mailing City:	PICO RIVERA
Mailing State:	CA
Mailing Zip:	90660
Mailing Country:	US
Owner Name:	SOUTHERN CALIFORNIA GAS CO
Certification Date:	04/02/1990
Contact Name:	PATRICIA A JONES
Contact Title:	Not reported
Contact Telephone:	213-806-4202
Contact Text:	Not reported
Contact Email:	Not reported

SOUTHERN CALIFORNIA GAS CO (Continued) **1000166039**

ICE:
Envirostor ID: 3000764
Name: SOUTHERN CALIFORNIA GAS CO
Address: 2424 E OLYMPIC BLVD
City,State,Zip: LOS ANGELES, CA 90021
EPA ID: CAD981422017
Site Type: INSPECTION
Facility Status: No Action

Inspection:
Action Type: Compliance Evaluation Inspection - Treatment, Storage and Disposal
Action Date: 09/29/2021
Violation Class: No Violations
RTC Date: Not reported

Action Type: Financial Records Review - Treatment, Storage and Disposal
Action Date: 10/29/2021
Violation Class: No Violations
RTC Date: Not reported

Action Type: Compliance Evaluation Inspection - Treatment, Storage and Disposal
Action Date: 09/10/2019
Violation Class: Class 2
RTC Date: 09/12/2019

Action Type: Financial Records Review - Treatment, Storage and Disposal
Action Date: 09/23/2019
Violation Class: No Violations
RTC Date: Not reported

Action Type: Financial Records Review - Treatment, Storage and Disposal
Action Date: 10/25/2017
Violation Class: No Violations
RTC Date: Not reported

Action Type: Financial Records Review - Treatment, Storage and Disposal
Action Date: 06/24/2016
Violation Class: No Violations
RTC Date: Not reported

Action Type: Compliance Evaluation Inspection - Treatment, Storage and Disposal
Action Date: 10/18/2017
Violation Class: No Violations
RTC Date: Not reported

Action Type: Compliance Evaluation Inspection - Treatment, Storage and Disposal
Action Date: 09/16/2015
Violation Class: No Violations
RTC Date: Not reported

Action Type: Financial Records Review - Treatment, Storage and Disposal
Action Date: 06/20/2014
Violation Class: No Violations
RTC Date: Not reported

Action Type: Compliance Evaluation Inspection - Treatment, Storage and Disposal
Action Date: 12/17/2013

SOUTHERN CALIFORNIA GAS CO (Continued) **1000166039**

Violation Class: No Violations
RTC Date: Not reported

Action Type: Financial Records Review - Treatment, Storage and Disposal
Action Date: 09/24/2012
Violation Class: No Violations
RTC Date: Not reported

Action Type: Compliance Evaluation Inspection - Treatment, Storage and Disposal
Action Date: 09/16/2008
Violation Class: No Violations
RTC Date: Not reported

Action Type: Compliance Evaluation Inspection - Treatment, Storage and Disposal
Action Date: 04/27/2012
Violation Class: No Violations
RTC Date: Not reported

Action Type: Compliance Evaluation Inspection - Treatment, Storage and Disposal
Action Date: 10/29/2007
Violation Class: No Violations
RTC Date: Not reported

Action Type: Financial Records Review - Treatment, Storage and Disposal
Action Date: 02/21/2001
Violation Class: No Violations
RTC Date: Not reported

Action Type: Compliance Evaluation Inspection - Treatment, Storage and Disposal
Action Date: 02/09/2001
Violation Class: No Violations
RTC Date: Not reported

Action Type: Compliance Evaluation Inspection - Treatment, Storage and Disposal
Action Date: 04/20/2006
Violation Class: No Violations
RTC Date: Not reported

Action Type: Financial Records Review - Treatment, Storage and Disposal
Action Date: 10/31/2007
Violation Class: Minor
RTC Date: 04/13/2010

Action Type: Compliance Evaluation Inspection - Treatment, Storage and Disposal
Action Date: 12/30/2003
Violation Class: No Violations
RTC Date: Not reported

Action Type: Financial Records Review - Treatment, Storage and Disposal
Action Date: 06/12/2006
Violation Class: Class 2, Minor
RTC Date: 04/13/2010

Action Type: Financial Records Review - Treatment, Storage and Disposal
Action Date: 02/03/2004
Violation Class: No Violations
RTC Date: Not reported

SOUTHERN CALIFORNIA GAS CO (Continued) **1000166039**

Action Type: Financial Records Review - Treatment, Storage and Disposal
Action Date: 10/06/2008
Violation Class: Minor
RTC Date: 04/13/2010

HWP:
EPA ID: CAD981422017
Name: SOUTHERN CALIFORNIA GAS CO
Address: 2424 E OLYMPIC BLVD
Cleanup Status: OPERATING PERMIT
Latitude: 34.02333
Longitude: -118.2280
Facility Type: Permitted - Operating
Facility Size: Small Storage
Supervisor: WILLIAM HEUNG
Site Code: 300144
Senate District: 30, 24, 26
Assembly District: 53
Public Information Officer: Not reported
Commercial Offsite Facility Types: Not reported
Quarterly Update: QUARTERLY UPDATE: Quarterly Update Period: July 2022 to September 2022 No inquiries from the facility or the public have occurred this quarter. FACILITY DESCRIPTION/HISTORY: The facility is located at 2424 East Olympic Boulevard, Los Angeles. The Assessor s Parcel Numbers are Lots A, C, and E, Tract Number 8769, Book 52, pages 5 to 8, of Record of Surveys, Recorder of the County of Los Angeles. This facility consists of a 14 acre parcel which contains several owner operations and one lessee operation. The owner/operator is a natural gas distribution utility serving nearly all of southern and central California. The owner/operator maintains Gas Transmission and Measurement Sections and two vehicle fleet maintenance garages at this location. The lessee is involved in recycle of demolition and construction debris. The hazardous waste operation is storage of containers of polychlorinated biphenyls (PCB) containing hazardous waste from company owned off-site facilities. The facility has three permitted units: (1) PCB Drum Storage Building for a capacity of 17,160 gallons, (2) East Outdoor Storage Pad for a capacity of 4,400 gallons, and (3) West Outdoor Storage Pad for a capacity of 4,400 gallons. This facility is categorized as a small storage facility. PERMITTING REGULATORY DESCRIPTION/HISTORY The Facility was issued an Interim Status Document (ISD) in May 16, 1983 by the Department of Health Services (DOHS), the predecessor of DTSC. On June 30, 1996, DTSC issued the Facility a Hazardous Waste Facility Permit. The expiration date for that Permit was June 30, 2006. This Permit was renewed on May 4, 2007. On June 11, 2007, the Facility proposed a Class 1 permit modification of an administrative change to correct the facility size classification from large to small. DTSC approved the request on October 19, 2007. The expiration date for that Permit was May 14, 2017. DTSC issued the renewal of the Permit on June 30, 2018. Currently, there is no corrective action in this facility.
Project Manager Lead: MATTHEW MULLINAX
Project Manager: MATTHEW MULLINAX
Permit Type: RCRA
Permit Effective Date: 06/30/2018 (OP),
Permit Expiration Date: 06/30/2028 (OP),
Calenviroscreen Score: 91-95%

SOUTHERN CALIFORNIA GAS CO (Continued) **1000166039**

Total Planned Hours: Not reported
Total Planned Amount: Not reported
Total Actual Hours: 0

Activities:

EPA ID: CAD981422017
Facility Type: Permitted - Operating
Facility Name: SOUTHERN CALIFORNIA GAS CO
Project Manager: MATTHEW MULLINAX
Project Manager Lead: MATTHEW MULLINAX
Supervisor: WILLIAM HEUNG
Facility Status: OPERATING PERMIT
Activity Type: Renewal - With Changes
Permit Being Renewed: Renewal - With Changes
Permit Being Modified: Not reported
Final Date: 2018-06-28 00:00:00
Type: RCRA
Title Description: Permit Renewal
Due Date: Not reported
Comments: At or before the begin of 2nd NOD.
Unit Names: CONTAIN1 (GPRA Unit), CONTAIN2 (GPRA Unit), CONTAIN3 (GPRA Unit)
Event Description: Renewal - With Changes - DRAFT CEQA
Actual Date: 05/01/2018

EPA ID: CAD981422017
Facility Type: Permitted - Operating
Facility Name: SOUTHERN CALIFORNIA GAS CO
Project Manager: MATTHEW MULLINAX
Project Manager Lead: MATTHEW MULLINAX
Supervisor: WILLIAM HEUNG
Facility Status: OPERATING PERMIT
Activity Type: Renewal - With Changes
Permit Being Renewed: Renewal - With Changes
Permit Being Modified: Not reported
Final Date: 2018-06-28 00:00:00
Type: RCRA
Title Description: Permit Renewal
Due Date: 02/01/2018
Comments: Estimated 1 month before the Public Comment Period Begin.
Unit Names: CONTAIN1 (GPRA Unit), CONTAIN2 (GPRA Unit), CONTAIN3 (GPRA Unit)
Event Description: Renewal - With Changes - DRAFT PERMIT RENEWAL
Actual Date: 05/01/2018

EPA ID: CAD981422017
Facility Type: Permitted - Operating
Facility Name: SOUTHERN CALIFORNIA GAS CO
Project Manager: MATTHEW MULLINAX
Project Manager Lead: MATTHEW MULLINAX
Supervisor: WILLIAM HEUNG
Facility Status: OPERATING PERMIT
Activity Type: Renewal - With Changes
Permit Being Renewed: Not reported
Permit Being Modified: Not reported
Final Date: 2007-03-29 00:00:00
Type: RCRA
Title Description: Permit Renewal
Due Date: Not reported
Comments: Not reported

SOUTHERN CALIFORNIA GAS CO (Continued) **1000166039**

Unit Names: CONTAIN1 (GPRA Unit), CONTAIN2 (GPRA Unit), CONTAIN3 (GPRA Unit)
Event Description: Renewal - With Changes - FINAL PERMIT RENEWAL
Actual Date: 03/29/2007

EPA ID: CAD981422017
Facility Type: Permitted - Operating
Facility Name: SOUTHERN CALIFORNIA GAS CO
Project Manager: MATTHEW MULLINAX
Project Manager Lead: MATTHEW MULLINAX
Supervisor: WILLIAM HEUNG
Facility Status: OPERATING PERMIT
Activity Type: New Operating Permit
Permit Being Renewed: Not reported
Permit Being Modified: Not reported
Final Date: 1996-05-30 00:00:00
Type: RCRA
Title Description: Initial Operating Permit
Due Date: Not reported
Comments: Not reported
Unit Names: CONTAIN1 (GPRA Unit), CONTAIN2 (GPRA Unit), CONTAIN3 (GPRA Unit)
Event Description: New Operating Permit - APPLICATION PART A RECEIVED
Actual Date: 08/09/1994

EPA ID: CAD981422017
Facility Type: Permitted - Operating
Facility Name: SOUTHERN CALIFORNIA GAS CO
Project Manager: MATTHEW MULLINAX
Project Manager Lead: MATTHEW MULLINAX
Supervisor: WILLIAM HEUNG
Facility Status: OPERATING PERMIT
Activity Type: New Operating Permit
Permit Being Renewed: Not reported
Permit Being Modified: Not reported
Final Date: 1996-05-30 00:00:00
Type: RCRA
Title Description: Initial Operating Permit
Due Date: Not reported
Comments: Not reported
Unit Names: CONTAIN1 (GPRA Unit), CONTAIN2 (GPRA Unit), CONTAIN3 (GPRA Unit)
Event Description: New Operating Permit - CALL-IN LETTER ISSUED
Actual Date: 05/24/1994

EPA ID: CAD981422017
Facility Type: Permitted - Operating
Facility Name: SOUTHERN CALIFORNIA GAS CO
Project Manager: MATTHEW MULLINAX
Project Manager Lead: MATTHEW MULLINAX
Supervisor: WILLIAM HEUNG
Facility Status: OPERATING PERMIT
Activity Type: Renewal - With Changes
Permit Being Renewed: Renewal - With Changes
Permit Being Modified: Not reported
Final Date: 2018-06-28 00:00:00
Type: RCRA
Title Description: Permit Renewal
Due Date: Not reported
Comments: Not reported

SOUTHERN CALIFORNIA GAS CO (Continued) **1000166039**

Unit Names: CONTAIN1 (GPRA Unit), CONTAIN2 (GPRA Unit), CONTAIN3 (GPRA Unit)
Event Description: Renewal - With Changes - ADMINISTRATIVE REVIEW APPROVED
Actual Date: 09/13/2016

EPA ID: CAD981422017
Facility Type: Permitted - Operating
Facility Name: SOUTHERN CALIFORNIA GAS CO
Project Manager: MATTHEW MULLINAX
Project Manager Lead: MATTHEW MULLINAX
Supervisor: WILLIAM HEUNG
Facility Status: OPERATING PERMIT
Activity Type: Renewal - With Changes
Permit Being Renewed: Renewal - With Changes
Permit Being Modified: Not reported
Final Date: 2018-06-28 00:00:00
Type: RCRA
Title Description: Permit Renewal
Due Date: Not reported
Comments: 180 days before permit expiration. Due date changed from 11/4/2016 by M. Mullinax as per E. Nieto s recommendation. Part A & B application was received 8/5/2016. It was later revised & received on 8/19/2016.
Unit Names: CONTAIN1 (GPRA Unit), CONTAIN2 (GPRA Unit), CONTAIN3 (GPRA Unit)
Event Description: Renewal - With Changes - APPLICATION PART B RECEIVED
Actual Date: 08/19/2016

EPA ID: CAD981422017
Facility Type: Permitted - Operating
Facility Name: SOUTHERN CALIFORNIA GAS CO
Project Manager: MATTHEW MULLINAX
Project Manager Lead: MATTHEW MULLINAX
Supervisor: WILLIAM HEUNG
Facility Status: OPERATING PERMIT
Activity Type: Renewal - With Changes
Permit Being Renewed: Renewal - With Changes
Permit Being Modified: Not reported
Final Date: 2018-06-28 00:00:00
Type: RCRA
Title Description: Permit Renewal
Due Date: Not reported
Comments: Not reported
Unit Names: CONTAIN1 (GPRA Unit), CONTAIN2 (GPRA Unit), CONTAIN3 (GPRA Unit)
Event Description: Renewal - With Changes - PUBLIC COMMENT (END)
Actual Date: 06/17/2018

EPA ID: CAD981422017
Facility Type: Permitted - Operating
Facility Name: SOUTHERN CALIFORNIA GAS CO
Project Manager: MATTHEW MULLINAX
Project Manager Lead: MATTHEW MULLINAX
Supervisor: WILLIAM HEUNG
Facility Status: OPERATING PERMIT
Activity Type: New Operating Permit
Permit Being Renewed: Not reported
Permit Being Modified: Not reported
Final Date: 1996-05-30 00:00:00
Type: RCRA
Title Description: Initial Operating Permit

SOUTHERN CALIFORNIA GAS CO (Continued) **1000166039**

Due Date: Not reported
Comments: Not reported
Unit Names: CONTAIN1 (GPRA Unit), CONTAIN2 (GPRA Unit), CONTAIN3 (GPRA Unit)
Event Description: New Operating Permit - FINAL PART A & PART B RECEIVED
Actual Date: 06/29/1995

EPA ID: CAD981422017
Facility Type: Permitted - Operating
Facility Name: SOUTHERN CALIFORNIA GAS CO
Project Manager: MATTHEW MULLINAX
Project Manager Lead: MATTHEW MULLINAX
Supervisor: WILLIAM HEUNG
Facility Status: OPERATING PERMIT
Activity Type: Renewal - With Changes
Permit Being Renewed: Renewal - With Changes
Permit Being Modified: Not reported
Final Date: 2018-06-28 00:00:00
Type: RCRA
Title Description: Permit Renewal
Due Date: Not reported
Comments: Not reported
Unit Names: CONTAIN1 (GPRA Unit), CONTAIN2 (GPRA Unit), CONTAIN3 (GPRA Unit)
Event Description: Renewal - With Changes - TECHNICAL REVIEW COMPLETED
Actual Date: 05/01/2018

EPA ID: CAD981422017
Facility Type: Permitted - Operating
Facility Name: SOUTHERN CALIFORNIA GAS CO
Project Manager: MATTHEW MULLINAX
Project Manager Lead: MATTHEW MULLINAX
Supervisor: WILLIAM HEUNG
Facility Status: OPERATING PERMIT
Activity Type: Renewal - With Changes
Permit Being Renewed: Not reported
Permit Being Modified: Not reported
Final Date: 2007-03-29 00:00:00
Type: RCRA
Title Description: Permit Renewal
Due Date: Not reported
Comments: Not reported
Unit Names: CONTAIN1 (GPRA Unit), CONTAIN2 (GPRA Unit), CONTAIN3 (GPRA Unit)
Event Description: Renewal - With Changes - CALL-IN LETTER ISSUED
Actual Date: 08/19/2005

EPA ID: CAD981422017
Facility Type: Permitted - Operating
Facility Name: SOUTHERN CALIFORNIA GAS CO
Project Manager: MATTHEW MULLINAX
Project Manager Lead: MATTHEW MULLINAX
Supervisor: WILLIAM HEUNG
Facility Status: OPERATING PERMIT
Activity Type: New Operating Permit
Permit Being Renewed: Not reported
Permit Being Modified: Not reported
Final Date: 1996-05-30 00:00:00
Type: RCRA
Title Description: Initial Operating Permit

SOUTHERN CALIFORNIA GAS CO (Continued) **1000166039**

Due Date: Not reported
Comments: Not reported
Unit Names: CONTAIN1 (GPRA Unit), CONTAIN2 (GPRA Unit), CONTAIN3 (GPRA Unit)
Event Description: New Operating Permit - FINAL PERMIT (EXPIRES)
Actual Date: 05/30/2006

EPA ID: CAD981422017
Facility Type: Permitted - Operating
Facility Name: SOUTHERN CALIFORNIA GAS CO
Project Manager: MATTHEW MULLINAX
Project Manager Lead: MATTHEW MULLINAX
Supervisor: WILLIAM HEUNG
Facility Status: OPERATING PERMIT
Activity Type: Renewal - With Changes
Permit Being Renewed: Not reported
Permit Being Modified: Not reported
Final Date: 2007-03-29 00:00:00
Type: RCRA
Title Description: Permit Renewal
Due Date: Not reported
Comments: Not reported
Unit Names: CONTAIN1 (GPRA Unit), CONTAIN2 (GPRA Unit), CONTAIN3 (GPRA Unit)
Event Description: Renewal - With Changes - FINAL PERMIT RENEWAL (EFFECTIVE)
Actual Date: 05/04/2007

EPA ID: CAD981422017
Facility Type: Permitted - Operating
Facility Name: SOUTHERN CALIFORNIA GAS CO
Project Manager: MATTHEW MULLINAX
Project Manager Lead: MATTHEW MULLINAX
Supervisor: WILLIAM HEUNG
Facility Status: OPERATING PERMIT
Activity Type: Renewal - With Changes
Permit Being Renewed: Renewal - With Changes
Permit Being Modified: Not reported
Final Date: 2018-06-28 00:00:00
Type: RCRA
Title Description: Permit Renewal
Due Date: Not reported
Comments: Not reported
Unit Names: CONTAIN1 (GPRA Unit), CONTAIN2 (GPRA Unit), CONTAIN3 (GPRA Unit)
Event Description: Renewal - With Changes - FINAL PERMIT RENEWAL (EFFECTIVE)
Actual Date: 06/30/2018

EPA ID: CAD981422017
Facility Type: Permitted - Operating
Facility Name: SOUTHERN CALIFORNIA GAS CO
Project Manager: MATTHEW MULLINAX
Project Manager Lead: MATTHEW MULLINAX
Supervisor: WILLIAM HEUNG
Facility Status: OPERATING PERMIT
Activity Type: Renewal - With Changes
Permit Being Renewed: Renewal - With Changes
Permit Being Modified: Not reported
Final Date: 2018-06-28 00:00:00
Type: RCRA
Title Description: Permit Renewal

SOUTHERN CALIFORNIA GAS CO (Continued) **1000166039**

Due Date: 11/04/2016
Comments: 180 days before permit expiration. Due date changed from 11/4/2016 by M. Mullinax as per E. Nieto s recommendation. Part A & B application was received 8/5/2016. It was later revised & received on 8/19/2016.
Unit Names: CONTAIN1 (GPRA Unit), CONTAIN2 (GPRA Unit), CONTAIN3 (GPRA Unit)
Event Description: Renewal - With Changes - APPLICATION PART A RECEIVED
Actual Date: 08/19/2016

EPA ID: CAD981422017
Facility Type: Permitted - Operating
Facility Name: SOUTHERN CALIFORNIA GAS CO
Project Manager: MATTHEW MULLINAX
Project Manager Lead: MATTHEW MULLINAX
Supervisor: WILLIAM HEUNG
Facility Status: OPERATING PERMIT
Activity Type: Renewal - With Changes
Permit Being Renewed: Renewal - With Changes
Permit Being Modified: Not reported
Final Date: 2018-06-28 00:00:00
Type: RCRA
Title Description: Permit Renewal
Due Date: 10/28/2016
Comments: Needs ML from PPS. Need to add Spanish translation.
Unit Names: CONTAIN1 (GPRA Unit), CONTAIN2 (GPRA Unit), CONTAIN3 (GPRA Unit)
Event Description: Renewal - With Changes - PUBLIC NOTICE - PERMIT RECEIVED
Actual Date: 10/28/2016

EPA ID: CAD981422017
Facility Type: Permitted - Operating
Facility Name: SOUTHERN CALIFORNIA GAS CO
Project Manager: MATTHEW MULLINAX
Project Manager Lead: MATTHEW MULLINAX
Supervisor: WILLIAM HEUNG
Facility Status: OPERATING PERMIT
Activity Type: Renewal - With Changes
Permit Being Renewed: Not reported
Permit Being Modified: Not reported
Final Date: 2007-03-29 00:00:00
Type: RCRA
Title Description: Permit Renewal
Due Date: Not reported
Comments: Not reported
Unit Names: CONTAIN1 (GPRA Unit), CONTAIN2 (GPRA Unit), CONTAIN3 (GPRA Unit)
Event Description: Renewal - With Changes - FINAL PERMIT RENEWAL (EXPIRES)
Actual Date: 05/04/2017

EPA ID: CAD981422017
Facility Type: Permitted - Operating
Facility Name: SOUTHERN CALIFORNIA GAS CO
Project Manager: MATTHEW MULLINAX
Project Manager Lead: MATTHEW MULLINAX
Supervisor: WILLIAM HEUNG
Facility Status: OPERATING PERMIT
Activity Type: Mod Class 1 - No Prior Approval Required
Permit Being Renewed: Not reported
Permit Being Modified: Not reported
Final Date: 2017-08-25 00:00:00

SOUTHERN CALIFORNIA GAS CO (Continued) **1000166039**

Type:	RCRA
Title Description:	Class 1 Permit Modification: Facilty Contact Change
Due Date:	Not reported
Comments:	Not reported
Unit Names:	Not reported
Event Description:	Mod Class 1 - No Prior Approval Required - FINAL PERMIT MODIFICATION (EFFECTIVE)
Actual Date:	09/25/2017
EPA ID:	CAD981422017
Facility Type:	Permitted - Operating
Facility Name:	SOUTHERN CALIFORNIA GAS CO
Project Manager:	MATTHEW MULLINAX
Project Manager Lead:	MATTHEW MULLINAX
Supervisor:	WILLIAM HEUNG
Facility Status:	OPERATING PERMIT
Activity Type:	Mod Class 1 - No Prior Approval Required
Permit Being Renewed:	Not reported
Permit Being Modified:	Not reported
Final Date:	2017-08-25 00:00:00
Type:	RCRA
Title Description:	Class 1 Permit Modification: Facilty Contact Change
Due Date:	Not reported
Comments:	Not reported
Unit Names:	Not reported
Event Description:	Mod Class 1 - No Prior Approval Required - UPDATED APPLICATION RECEIVED
Actual Date:	08/25/2017
EPA ID:	CAD981422017
Facility Type:	Permitted - Operating
Facility Name:	SOUTHERN CALIFORNIA GAS CO
Project Manager:	MATTHEW MULLINAX
Project Manager Lead:	MATTHEW MULLINAX
Supervisor:	WILLIAM HEUNG
Facility Status:	OPERATING PERMIT
Activity Type:	Renewal - With Changes
Permit Being Renewed:	Renewal - With Changes
Permit Being Modified:	Not reported
Final Date:	2018-06-28 00:00:00
Type:	RCRA
Title Description:	Permit Renewal
Due Date:	Not reported
Comments:	Scheduled date for call-in letter; Point of contact is changed; model letter was used as a template. The call-in letter was returned with no reason. Called facility. The address was correct, but they preferred Pico Rivera address for future communication. Resent the returned Call-in Letter.
Unit Names:	CONTAIN1 (GPRA Unit), CONTAIN2 (GPRA Unit), CONTAIN3 (GPRA Unit)
Event Description:	Renewal - With Changes - CALL-IN LETTER ISSUED
Actual Date:	11/13/2015
EPA ID:	CAD981422017
Facility Type:	Permitted - Operating
Facility Name:	SOUTHERN CALIFORNIA GAS CO
Project Manager:	MATTHEW MULLINAX
Project Manager Lead:	MATTHEW MULLINAX

SOUTHERN CALIFORNIA GAS CO (Continued) **1000166039**

Supervisor:	WILLIAM HEUNG
Facility Status:	OPERATING PERMIT
Activity Type:	Renewal - With Changes
Permit Being Renewed:	Not reported
Permit Being Modified:	Not reported
Final Date:	2007-03-29 00:00:00
Type:	RCRA
Title Description:	Permit Renewal
Due Date:	Not reported
Comments:	Not reported
Unit Names:	CONTAIN1 (GPRA Unit), CONTAIN2 (GPRA Unit), CONTAIN3 (GPRA Unit)
Event Description:	Renewal - With Changes - APPLICATION PART B RECEIVED
Actual Date:	01/16/2006

EPA ID:	CAD981422017
Facility Type:	Permitted - Operating
Facility Name:	SOUTHERN CALIFORNIA GAS CO
Project Manager:	MATTHEW MULLINAX
Project Manager Lead:	MATTHEW MULLINAX
Supervisor:	WILLIAM HEUNG
Facility Status:	OPERATING PERMIT
Activity Type:	Renewal - With Changes
Permit Being Renewed:	Renewal - With Changes
Permit Being Modified:	Not reported
Final Date:	2018-06-28 00:00:00
Type:	RCRA
Title Description:	Permit Renewal
Due Date:	05/01/2018
Comments:	Estimated 1 week before Public Comment Period Begin.
Unit Names:	CONTAIN1 (GPRA Unit), CONTAIN2 (GPRA Unit), CONTAIN3 (GPRA Unit)
Event Description:	Renewal - With Changes - TECHNICAL COMPLETE LETTER
Actual Date:	05/07/2018

EPA ID:	CAD981422017
Facility Type:	Permitted - Operating
Facility Name:	SOUTHERN CALIFORNIA GAS CO
Project Manager:	MATTHEW MULLINAX
Project Manager Lead:	MATTHEW MULLINAX
Supervisor:	WILLIAM HEUNG
Facility Status:	OPERATING PERMIT
Activity Type:	Renewal - With Changes
Permit Being Renewed:	Not reported
Permit Being Modified:	Not reported
Final Date:	2007-03-29 00:00:00
Type:	RCRA
Title Description:	Permit Renewal
Due Date:	Not reported
Comments:	Not reported
Unit Names:	CONTAIN1 (GPRA Unit), CONTAIN2 (GPRA Unit), CONTAIN3 (GPRA Unit)
Event Description:	Renewal - With Changes - DRAFT PERMIT RENEWAL
Actual Date:	12/04/2006

EPA ID:	CAD981422017
Facility Type:	Permitted - Operating
Facility Name:	SOUTHERN CALIFORNIA GAS CO
Project Manager:	MATTHEW MULLINAX
Project Manager Lead:	MATTHEW MULLINAX

SOUTHERN CALIFORNIA GAS CO (Continued) **1000166039**

Supervisor:	WILLIAM HEUNG
Facility Status:	OPERATING PERMIT
Activity Type:	New Operating Permit
Permit Being Renewed:	Not reported
Permit Being Modified:	Not reported
Final Date:	1996-05-30 00:00:00
Type:	RCRA
Title Description:	Initial Operating Permit
Due Date:	Not reported
Comments:	Not reported
Unit Names:	CONTAIN1 (GPRA Unit), CONTAIN2 (GPRA Unit), CONTAIN3 (GPRA Unit)
Event Description:	New Operating Permit - PUBLIC COMMENT (BEGIN)
Actual Date:	09/01/1995

EPA ID:	CAD981422017
Facility Type:	Permitted - Operating
Facility Name:	SOUTHERN CALIFORNIA GAS CO
Project Manager:	MATTHEW MULLINAX
Project Manager Lead:	MATTHEW MULLINAX
Supervisor:	WILLIAM HEUNG
Facility Status:	OPERATING PERMIT
Activity Type:	New Operating Permit
Permit Being Renewed:	Not reported
Permit Being Modified:	Not reported
Final Date:	1996-05-30 00:00:00
Type:	RCRA
Title Description:	Initial Operating Permit
Due Date:	Not reported
Comments:	Not reported
Unit Names:	CONTAIN1 (GPRA Unit), CONTAIN2 (GPRA Unit), CONTAIN3 (GPRA Unit)
Event Description:	New Operating Permit - FINAL PERMIT (EFFECTIVE)
Actual Date:	05/31/1996

EPA ID:	CAD981422017
Facility Type:	Permitted - Operating
Facility Name:	SOUTHERN CALIFORNIA GAS CO
Project Manager:	MATTHEW MULLINAX
Project Manager Lead:	MATTHEW MULLINAX
Supervisor:	WILLIAM HEUNG
Facility Status:	OPERATING PERMIT
Activity Type:	Renewal - With Changes
Permit Being Renewed:	Renewal - With Changes
Permit Being Modified:	Not reported
Final Date:	2018-06-28 00:00:00
Type:	RCRA
Title Description:	Permit Renewal
Due Date:	Not reported
Comments:	Due date changed from 3/30/2018 by M. Mullinax as per E. Nieto s recommendation. Estimated 6 months after the Administrative Completeness Review for the 1st NOD.
Unit Names:	CONTAIN1 (GPRA Unit), CONTAIN2 (GPRA Unit), CONTAIN3 (GPRA Unit)
Event Description:	Renewal - With Changes - 1ST NOTICE OF DEFICIENCY ISSUED
Actual Date:	12/05/2017

EPA ID:	CAD981422017
Facility Type:	Permitted - Operating
Facility Name:	SOUTHERN CALIFORNIA GAS CO

SOUTHERN CALIFORNIA GAS CO (Continued) **1000166039**

Project Manager:	MATTHEW MULLINAX
Project Manager Lead:	MATTHEW MULLINAX
Supervisor:	WILLIAM HEUNG
Facility Status:	OPERATING PERMIT
Activity Type:	Renewal - With Changes
Permit Being Renewed:	Renewal - With Changes
Permit Being Modified:	Not reported
Final Date:	2018-06-28 00:00:00
Type:	RCRA
Title Description:	Permit Renewal
Due Date:	Not reported
Comments:	Estimated 3.5 months after Public Comment Period Begin (or ~2 months after Public Comment Period End), and assumed no public comments.
Unit Names:	CONTAIN1 (GPRA Unit), CONTAIN2 (GPRA Unit), CONTAIN3 (GPRA Unit)
Event Description:	Renewal - With Changes - CEQA DETERMINATION
Actual Date:	06/28/2018

EPA ID:	CAD981422017
Facility Type:	Permitted - Operating
Facility Name:	SOUTHERN CALIFORNIA GAS CO
Project Manager:	MATTHEW MULLINAX
Project Manager Lead:	MATTHEW MULLINAX
Supervisor:	WILLIAM HEUNG
Facility Status:	OPERATING PERMIT
Activity Type:	Mod Class 1 - No Prior Approval Required
Permit Being Renewed:	Not reported
Permit Being Modified:	Not reported
Final Date:	2017-08-25 00:00:00
Type:	RCRA
Title Description:	Class 1 Permit Modification: Faciltiy Contact Change
Due Date:	Not reported
Comments:	Not reported
Unit Names:	Not reported
Event Description:	Mod Class 1 - No Prior Approval Required - RESPONSE TO 1ST REQUEST FOR FUTHER INFORMATION RECEIVED
Actual Date:	08/25/2017

EPA ID:	CAD981422017
Facility Type:	Permitted - Operating
Facility Name:	SOUTHERN CALIFORNIA GAS CO
Project Manager:	MATTHEW MULLINAX
Project Manager Lead:	MATTHEW MULLINAX
Supervisor:	WILLIAM HEUNG
Facility Status:	OPERATING PERMIT
Activity Type:	Mod Class 1 - No Prior Approval Required
Permit Being Renewed:	Not reported
Permit Being Modified:	Not reported
Final Date:	2017-08-25 00:00:00
Type:	RCRA
Title Description:	Class 1 Permit Modification: Faciltiy Contact Change
Due Date:	Not reported
Comments:	Not reported
Unit Names:	Not reported
Event Description:	Mod Class 1 - No Prior Approval Required - ACKNOWLEDGEMENT OF PERMIT MOD LETTER
Actual Date:	08/25/2017

SOUTHERN CALIFORNIA GAS CO (Continued) **1000166039**

EPA ID:	CAD981422017
Facility Type:	Permitted - Operating
Facility Name:	SOUTHERN CALIFORNIA GAS CO
Project Manager:	MATTHEW MULLINAX
Project Manager Lead:	MATTHEW MULLINAX
Supervisor:	WILLIAM HEUNG
Facility Status:	OPERATING PERMIT
Activity Type:	New Operating Permit
Permit Being Renewed:	Not reported
Permit Being Modified:	Not reported
Final Date:	1996-05-30 00:00:00
Type:	RCRA
Title Description:	Initial Operating Permit
Due Date:	Not reported
Comments:	Not reported
Unit Names:	CONTAIN1 (GPRA Unit), CONTAIN2 (GPRA Unit), CONTAIN3 (GPRA Unit)
Event Description:	New Operating Permit - DRAFT PERMIT
Actual Date:	09/01/1995

EPA ID:	CAD981422017
Facility Type:	Permitted - Operating
Facility Name:	SOUTHERN CALIFORNIA GAS CO
Project Manager:	MATTHEW MULLINAX
Project Manager Lead:	MATTHEW MULLINAX
Supervisor:	WILLIAM HEUNG
Facility Status:	OPERATING PERMIT
Activity Type:	Renewal - With Changes
Permit Being Renewed:	Renewal - With Changes
Permit Being Modified:	Not reported
Final Date:	2018-06-28 00:00:00
Type:	RCRA
Title Description:	Permit Renewal
Due Date:	06/30/2018
Comments:	Not reported
Unit Names:	CONTAIN1 (GPRA Unit), CONTAIN2 (GPRA Unit), CONTAIN3 (GPRA Unit)
Event Description:	Renewal - With Changes - FINAL PERMIT RENEWAL
Actual Date:	06/28/2018

EPA ID:	CAD981422017
Facility Type:	Permitted - Operating
Facility Name:	SOUTHERN CALIFORNIA GAS CO
Project Manager:	MATTHEW MULLINAX
Project Manager Lead:	MATTHEW MULLINAX
Supervisor:	WILLIAM HEUNG
Facility Status:	OPERATING PERMIT
Activity Type:	Renewal - With Changes
Permit Being Renewed:	Renewal - With Changes
Permit Being Modified:	Not reported
Final Date:	2018-06-28 00:00:00
Type:	RCRA
Title Description:	Permit Renewal
Due Date:	04/20/2018
Comments:	Estimated 60 days to resubmit approved Part A & B Application.
Unit Names:	CONTAIN1 (GPRA Unit), CONTAIN2 (GPRA Unit), CONTAIN3 (GPRA Unit)
Event Description:	Renewal - With Changes - FINAL PART A & PART B RECEIVED
Actual Date:	04/20/2018

SOUTHERN CALIFORNIA GAS CO (Continued) **1000166039**

EPA ID:	CAD981422017
Facility Type:	Permitted - Operating
Facility Name:	SOUTHERN CALIFORNIA GAS CO
Project Manager:	MATTHEW MULLINAX
Project Manager Lead:	MATTHEW MULLINAX
Supervisor:	WILLIAM HEUNG
Facility Status:	OPERATING PERMIT
Activity Type:	Renewal - With Changes
Permit Being Renewed:	Renewal - With Changes
Permit Being Modified:	Not reported
Final Date:	2018-06-28 00:00:00
Type:	RCRA
Title Description:	Permit Renewal
Due Date:	Not reported
Comments:	Not reported
Unit Names:	CONTAIN1 (GPRA Unit), CONTAIN2 (GPRA Unit), CONTAIN3 (GPRA Unit)
Event Description:	Renewal - With Changes - DTSC MEETING WITH APPLICANT
Actual Date:	04/25/2016

EPA ID:	CAD981422017
Facility Type:	Permitted - Operating
Facility Name:	SOUTHERN CALIFORNIA GAS CO
Project Manager:	MATTHEW MULLINAX
Project Manager Lead:	MATTHEW MULLINAX
Supervisor:	WILLIAM HEUNG
Facility Status:	OPERATING PERMIT
Activity Type:	Renewal - With Changes
Permit Being Renewed:	Renewal - With Changes
Permit Being Modified:	Not reported
Final Date:	2018-06-28 00:00:00
Type:	RCRA
Title Description:	Permit Renewal
Due Date:	Not reported
Comments:	Not reported
Unit Names:	CONTAIN1 (GPRA Unit), CONTAIN2 (GPRA Unit), CONTAIN3 (GPRA Unit)
Event Description:	Renewal - With Changes - DISCLOSURE (RECEIVED)
Actual Date:	06/24/2016

EPA ID:	CAD981422017
Facility Type:	Permitted - Operating
Facility Name:	SOUTHERN CALIFORNIA GAS CO
Project Manager:	MATTHEW MULLINAX
Project Manager Lead:	MATTHEW MULLINAX
Supervisor:	WILLIAM HEUNG
Facility Status:	OPERATING PERMIT
Activity Type:	Mod Class 1 - No Prior Approval Required
Permit Being Renewed:	Not reported
Permit Being Modified:	Not reported
Final Date:	2017-08-25 00:00:00
Type:	RCRA
Title Description:	Class 1 Permit Modification: Faciltiy Contact Change
Due Date:	Not reported
Comments:	Not reported
Unit Names:	Not reported
Event Description:	Mod Class 1 - No Prior Approval Required - 1ST REQUEST FOR FURTHER INFORMATION
Actual Date:	08/25/2017

SOUTHERN CALIFORNIA GAS CO (Continued) **1000166039**

EPA ID:	CAD981422017
Facility Type:	Permitted - Operating
Facility Name:	SOUTHERN CALIFORNIA GAS CO
Project Manager:	MATTHEW MULLINAX
Project Manager Lead:	MATTHEW MULLINAX
Supervisor:	WILLIAM HEUNG
Facility Status:	OPERATING PERMIT
Activity Type:	New Operating Permit
Permit Being Renewed:	Not reported
Permit Being Modified:	Not reported
Final Date:	1996-05-30 00:00:00
Type:	RCRA
Title Description:	Initial Operating Permit
Due Date:	Not reported
Comments:	Not reported
Unit Names:	CONTAIN1 (GPRA Unit), CONTAIN2 (GPRA Unit), CONTAIN3 (GPRA Unit)
Event Description:	New Operating Permit - FINAL PERMIT
Actual Date:	05/30/1996

EPA ID:	CAD981422017
Facility Type:	Permitted - Operating
Facility Name:	SOUTHERN CALIFORNIA GAS CO
Project Manager:	MATTHEW MULLINAX
Project Manager Lead:	MATTHEW MULLINAX
Supervisor:	WILLIAM HEUNG
Facility Status:	OPERATING PERMIT
Activity Type:	Renewal - With Changes
Permit Being Renewed:	Not reported
Permit Being Modified:	Not reported
Final Date:	2007-03-29 00:00:00
Type:	RCRA
Title Description:	Permit Renewal
Due Date:	Not reported
Comments:	Not reported
Unit Names:	CONTAIN1 (GPRA Unit), CONTAIN2 (GPRA Unit), CONTAIN3 (GPRA Unit)
Event Description:	Renewal - With Changes - PUBLIC COMMENT (END)
Actual Date:	01/18/2007

EPA ID:	CAD981422017
Facility Type:	Permitted - Operating
Facility Name:	SOUTHERN CALIFORNIA GAS CO
Project Manager:	MATTHEW MULLINAX
Project Manager Lead:	MATTHEW MULLINAX
Supervisor:	WILLIAM HEUNG
Facility Status:	OPERATING PERMIT
Activity Type:	Renewal - With Changes
Permit Being Renewed:	Not reported
Permit Being Modified:	Not reported
Final Date:	2007-03-29 00:00:00
Type:	RCRA
Title Description:	Permit Renewal
Due Date:	Not reported
Comments:	Not reported
Unit Names:	CONTAIN1 (GPRA Unit), CONTAIN2 (GPRA Unit), CONTAIN3 (GPRA Unit)
Event Description:	Renewal - With Changes - PUBLIC COMMENT (BEGIN)
Actual Date:	12/04/2006

SOUTHERN CALIFORNIA GAS CO (Continued) **1000166039**

EPA ID:	CAD981422017
Facility Type:	Permitted - Operating
Facility Name:	SOUTHERN CALIFORNIA GAS CO
Project Manager:	MATTHEW MULLINAX
Project Manager Lead:	MATTHEW MULLINAX
Supervisor:	WILLIAM HEUNG
Facility Status:	OPERATING PERMIT
Activity Type:	Renewal - With Changes
Permit Being Renewed:	Not reported
Permit Being Modified:	Not reported
Final Date:	2007-03-29 00:00:00
Type:	RCRA
Title Description:	Permit Renewal
Due Date:	Not reported
Comments:	Not reported
Unit Names:	CONTAIN1 (GPRA Unit), CONTAIN2 (GPRA Unit), CONTAIN3 (GPRA Unit)
Event Description:	Renewal - With Changes - FINAL PART A & PART B RECEIVED
Actual Date:	10/31/2006

EPA ID:	CAD981422017
Facility Type:	Permitted - Operating
Facility Name:	SOUTHERN CALIFORNIA GAS CO
Project Manager:	MATTHEW MULLINAX
Project Manager Lead:	MATTHEW MULLINAX
Supervisor:	WILLIAM HEUNG
Facility Status:	OPERATING PERMIT
Activity Type:	Renewal - With Changes
Permit Being Renewed:	Renewal - With Changes
Permit Being Modified:	Not reported
Final Date:	2018-06-28 00:00:00
Type:	RCRA
Title Description:	Permit Renewal
Due Date:	Not reported
Comments:	Not reported
Unit Names:	CONTAIN1 (GPRA Unit), CONTAIN2 (GPRA Unit), CONTAIN3 (GPRA Unit)
Event Description:	Renewal - With Changes - FINAL PERMIT RENEWAL (EXPIRES)
Actual Date:	06/30/2028

EPA ID:	CAD981422017
Facility Type:	Permitted - Operating
Facility Name:	SOUTHERN CALIFORNIA GAS CO
Project Manager:	MATTHEW MULLINAX
Project Manager Lead:	MATTHEW MULLINAX
Supervisor:	WILLIAM HEUNG
Facility Status:	OPERATING PERMIT
Activity Type:	New Operating Permit
Permit Being Renewed:	Not reported
Permit Being Modified:	Not reported
Final Date:	1996-05-30 00:00:00
Type:	RCRA
Title Description:	Initial Operating Permit
Due Date:	Not reported
Comments:	Not reported
Unit Names:	CONTAIN1 (GPRA Unit), CONTAIN2 (GPRA Unit), CONTAIN3 (GPRA Unit)
Event Description:	New Operating Permit - APPLICATION PART B RECEIVED
Actual Date:	05/24/1994

SOUTHERN CALIFORNIA GAS CO (Continued) **1000166039**

EPA ID:	CAD981422017
Facility Type:	Permitted - Operating
Facility Name:	SOUTHERN CALIFORNIA GAS CO
Project Manager:	MATTHEW MULLINAX
Project Manager Lead:	MATTHEW MULLINAX
Supervisor:	WILLIAM HEUNG
Facility Status:	OPERATING PERMIT
Activity Type:	New Operating Permit
Permit Being Renewed:	Not reported
Permit Being Modified:	Not reported
Final Date:	1996-05-30 00:00:00
Type:	RCRA
Title Description:	Initial Operating Permit
Due Date:	Not reported
Comments:	Not reported
Unit Names:	CONTAIN1 (GPRA Unit), CONTAIN2 (GPRA Unit), CONTAIN3 (GPRA Unit)
Event Description:	New Operating Permit - PUBLIC COMMENT (END)
Actual Date:	10/16/1995

EPA ID:	CAD981422017
Facility Type:	Permitted - Operating
Facility Name:	SOUTHERN CALIFORNIA GAS CO
Project Manager:	MATTHEW MULLINAX
Project Manager Lead:	MATTHEW MULLINAX
Supervisor:	WILLIAM HEUNG
Facility Status:	OPERATING PERMIT
Activity Type:	Mod Class 1 - No Prior Approval Required
Permit Being Renewed:	Not reported
Permit Being Modified:	Not reported
Final Date:	2017-08-25 00:00:00
Type:	RCRA
Title Description:	Class 1 Permit Modification: Faciltiy Contact Change
Due Date:	08/25/2017
Comments:	Not reported
Unit Names:	Not reported
Event Description:	Mod Class 1 - No Prior Approval Required - FINAL PERMIT MODIFICATION
Actual Date:	08/25/2017

EPA ID:	CAD981422017
Facility Type:	Permitted - Operating
Facility Name:	SOUTHERN CALIFORNIA GAS CO
Project Manager:	MATTHEW MULLINAX
Project Manager Lead:	MATTHEW MULLINAX
Supervisor:	WILLIAM HEUNG
Facility Status:	OPERATING PERMIT
Activity Type:	Mod Class 1 - No Prior Approval Required
Permit Being Renewed:	Not reported
Permit Being Modified:	Not reported
Final Date:	2017-08-25 00:00:00
Type:	RCRA
Title Description:	Class 1 Permit Modification: Faciltiy Contact Change
Due Date:	Not reported
Comments:	Not reported
Unit Names:	Not reported
Event Description:	Mod Class 1 - No Prior Approval Required - FINAL PERMIT MODIFICATION (EXPIRES)
Actual Date:	06/30/2028

SOUTHERN CALIFORNIA GAS CO (Continued) **1000166039**

EPA ID:	CAD981422017
Facility Type:	Permitted - Operating
Facility Name:	SOUTHERN CALIFORNIA GAS CO
Project Manager:	MATTHEW MULLINAX
Project Manager Lead:	MATTHEW MULLINAX
Supervisor:	WILLIAM HEUNG
Facility Status:	OPERATING PERMIT
Activity Type:	Renewal - With Changes
Permit Being Renewed:	Renewal - With Changes
Permit Being Modified:	Not reported
Final Date:	2018-06-28 00:00:00
Type:	RCRA
Title Description:	Permit Renewal
Due Date:	Not reported
Comments:	30 days after Application received. Previous date was 12/4/2016. See notes in Application received activities. Project delayed due to working on Chevron Post-Closure s Public Meeting/Hearing.
Unit Names:	CONTAIN1 (GPRA Unit), CONTAIN2 (GPRA Unit), CONTAIN3 (GPRA Unit)
Event Description:	Renewal - With Changes - INITIAL ADMINISTRATIVE REVIEW COMPLETED
Actual Date:	09/13/2016

EPA ID:	CAD981422017
Facility Type:	Permitted - Operating
Facility Name:	SOUTHERN CALIFORNIA GAS CO
Project Manager:	MATTHEW MULLINAX
Project Manager Lead:	MATTHEW MULLINAX
Supervisor:	WILLIAM HEUNG
Facility Status:	OPERATING PERMIT
Activity Type:	Renewal - With Changes
Permit Being Renewed:	Renewal - With Changes
Permit Being Modified:	Not reported
Final Date:	2018-06-28 00:00:00
Type:	RCRA
Title Description:	Permit Renewal
Due Date:	05/03/2018
Comments:	Not reported
Unit Names:	CONTAIN1 (GPRA Unit), CONTAIN2 (GPRA Unit), CONTAIN3 (GPRA Unit)
Event Description:	Renewal - With Changes - PUBLIC COMMENT (BEGIN)
Actual Date:	05/01/2018

EPA ID:	CAD981422017
Facility Type:	Permitted - Operating
Facility Name:	SOUTHERN CALIFORNIA GAS CO
Project Manager:	MATTHEW MULLINAX
Project Manager Lead:	MATTHEW MULLINAX
Supervisor:	WILLIAM HEUNG
Facility Status:	OPERATING PERMIT
Activity Type:	Renewal - With Changes
Permit Being Renewed:	Renewal - With Changes
Permit Being Modified:	Not reported
Final Date:	2018-06-28 00:00:00
Type:	RCRA
Title Description:	Permit Renewal
Due Date:	Not reported
Comments:	By the Public Comment Period Begin.
Unit Names:	CONTAIN1 (GPRA Unit), CONTAIN2 (GPRA Unit), CONTAIN3 (GPRA Unit)
Event Description:	Renewal - With Changes - FINAL CEQA

SOUTHERN CALIFORNIA GAS CO (Continued) **1000166039**

Actual Date: 04/23/2018

Alias:

EPA ID:	CAD981422017
Facility Type:	Permitted - Operating
Facility Name:	SOUTHERN CALIFORNIA GAS CO
Facility Status:	OPERATING PERMIT
Project Manager:	MATTHEW MULLINAX
Project Manager Lead:	MATTHEW MULLINAX
Supervisor:	WILLIAM HEUNG
Alias Type:	FRS
Alias:	110000621346

EPA ID:	CAD981422017
Facility Type:	Permitted - Operating
Facility Name:	SOUTHERN CALIFORNIA GAS CO
Facility Status:	OPERATING PERMIT
Project Manager:	MATTHEW MULLINAX
Project Manager Lead:	MATTHEW MULLINAX
Supervisor:	WILLIAM HEUNG
Alias Type:	Envirostor ID Number
Alias:	19490179

EPA ID:	CAD981422017
Facility Type:	Permitted - Operating
Facility Name:	SOUTHERN CALIFORNIA GAS CO
Facility Status:	OPERATING PERMIT
Project Manager:	MATTHEW MULLINAX
Project Manager Lead:	MATTHEW MULLINAX
Supervisor:	WILLIAM HEUNG
Alias Type:	Project Code (Site Code)
Alias:	300144

BA286 **SO CAL GAS/OLYMPIC BASE MGP** **HIST Cal-Sites** **S105689611**
SE **2424 E OLYMPIC BLVD** **NPDES** **N/A**
1/2-1 **LOS ANGELES, CA 90021** **WDS**
0.701 mi.
3700 ft. **Site 4 of 5 in cluster BA**

Relative: **Lower**
Actual: **233 ft.**

Calsite:

Name:	SO CAL GAS/OLYMPIC BASE MGP
Address:	2424 E OLYMPIC BLVD
City:	LOS ANGELES
Region:	GLENDALE
Facility ID:	19490179
Facility Type:	RP
Type:	RESPONSIBLE PARTY
Branch:	SA
Branch Name:	SO CAL - GLENDALE
File Name:	Not reported
State Senate District:	12241991
Status:	CERTIFIED OPERATION AND MAINTENANCE, ALL PLANNED ACTIVITIES IMPLEMENTED, REMEDIATION CONTINUES
Status Name:	CERTIFIED / OPERATION & MAINTENANCE
Lead Agency:	DEPT OF TOXIC SUBSTANCES CONTROL
NPL:	Not Listed

SO CAL GAS/OLYMPIC BASE MGP (Continued) **S105689611**

SIC Code:	49
SIC Name:	ELECTRIC, GAS & SANITARY SERVICES
Access:	Controlled
Cortese:	Not reported
Hazardous Ranking Score:	Not reported
Date Site Hazard Ranked:	Not reported
Groundwater Contamination:	Unknown
Staff Member Responsible for Site:	GFARKAS
Supervisor Responsible for Site:	Not reported
Region Water Control Board:	LA
Region Water Control Board Name:	LOS ANGELES
Lat/Long Direction:	Not reported
Lat/Long (dms):	0 0 0 / 0 0 0
Lat/long Method:	Not reported
Lat/Long Description:	Not reported
State Assembly District Code:	46
State Senate District Code:	22
Facility ID:	19490179
Activity:	DEED
Activity Name:	DEED RESTRICTIONS
AWP Code:	Not reported
Proposed Budget:	0
AWP Completion Date:	Not reported
Revised Due Date:	Not reported
Comments Date:	05231991
Est Person-Yrs to complete:	0
Estimated Size:	Not reported
Request to Delete Activity:	Not reported
Activity Status:	COM
Definition of Status:	CERTIFIED / OPERATION & MAINTENANCE
Liquids Removed (Gals):	0
Liquids Treated (Gals):	0
Action Included Capping:	Not reported
Well Decommissioned:	Not reported
Action Included Fencing:	Not reported
Removal Action Certification:	Not reported
Activity Comments:	Not reported
For Commercial Reuse:	0
For Industrial Reuse:	0
For Residential Reuse:	0
Unknown Type:	0
Facility ID:	19490179
Activity:	DISC
Activity Name:	DISCOVERY
AWP Code:	Not reported
Proposed Budget:	0
AWP Completion Date:	Not reported
Revised Due Date:	Not reported
Comments Date:	09291983
Est Person-Yrs to complete:	0
Estimated Size:	Not reported
Request to Delete Activity:	Not reported
Activity Status:	COM
Definition of Status:	CERTIFIED / OPERATION & MAINTENANCE
Liquids Removed (Gals):	0
Liquids Treated (Gals):	0
Action Included Capping:	Not reported

SO CAL GAS/OLYMPIC BASE MGP (Continued) **S105689611**

Well Decommissioned:	Not reported
Action Included Fencing:	Not reported
Removal Action Certification:	Not reported
Activity Comments:	Not reported
For Commercial Reuse:	0
For Industrial Reuse:	0
For Residential Reuse:	0
Unknown Type:	0
Facility ID:	19490179
Activity:	ORDER
Activity Name:	I/SE, IORSE, FFA, FFSRA, VCA, EA
AWP Code:	Not reported
Proposed Budget:	0
AWP Completion Date:	Not reported
Revised Due Date:	Not reported
Comments Date:	12301986
Est Person-Yrs to complete:	0
Estimated Size:	Not reported
Request to Delete Activity:	Not reported
Activity Status:	COM
Definition of Status:	CERTIFIED / OPERATION & MAINTENANCE
Liquids Removed (Gals):	0
Liquids Treated (Gals):	0
Action Included Capping:	Not reported
Well Decommissioned:	Not reported
Action Included Fencing:	Not reported
Removal Action Certification:	Not reported
Activity Comments:	Not reported
For Commercial Reuse:	0
For Industrial Reuse:	0
For Residential Reuse:	0
Unknown Type:	0
Facility ID:	19490179
Activity:	PPP
Activity Name:	PUBLIC PARTICIPATION PLAN
AWP Code:	Not reported
Proposed Budget:	0
AWP Completion Date:	Not reported
Revised Due Date:	Not reported
Comments Date:	02281987
Est Person-Yrs to complete:	0
Estimated Size:	Not reported
Request to Delete Activity:	Not reported
Activity Status:	COM
Definition of Status:	CERTIFIED / OPERATION & MAINTENANCE
Liquids Removed (Gals):	0
Liquids Treated (Gals):	0
Action Included Capping:	Not reported
Well Decommissioned:	Not reported
Action Included Fencing:	Not reported
Removal Action Certification:	Not reported
Activity Comments:	Not reported
For Commercial Reuse:	0
For Industrial Reuse:	0
For Residential Reuse:	0
Unknown Type:	0
Facility ID:	19490179

SO CAL GAS/OLYMPIC BASE MGP (Continued) **S105689611**

Activity:	RIFS
Activity Name:	REMEDIAL INVESTIGATION / FEASIBILITY STUDY
AWP Code:	Not reported
Proposed Budget:	0
AWP Completion Date:	Not reported
Revised Due Date:	Not reported
Comments Date:	07311990
Est Person-Yrs to complete:	0
Estimated Size:	Not reported
Request to Delete Activity:	Not reported
Activity Status:	COM
Definition of Status:	CERTIFIED / OPERATION & MAINTENANCE
Liquids Removed (Gals):	0
Liquids Treated (Gals):	0
Action Included Capping:	Not reported
Well Decommissioned:	Not reported
Action Included Fencing:	Not reported
Removal Action Certification:	Not reported
Activity Comments:	Not reported
For Commercial Reuse:	0
For Industrial Reuse:	0
For Residential Reuse:	0
Unknown Type:	0
Facility ID:	19490179
Activity:	RAP
Activity Name:	REMEDIAL ACTION PLAN / RECORD OF DECISION
AWP Code:	Not reported
Proposed Budget:	0
AWP Completion Date:	Not reported
Revised Due Date:	Not reported
Comments Date:	04231991
Est Person-Yrs to complete:	0
Estimated Size:	Not reported
Request to Delete Activity:	Not reported
Activity Status:	COM
Definition of Status:	CERTIFIED / OPERATION & MAINTENANCE
Liquids Removed (Gals):	0
Liquids Treated (Gals):	0
Action Included Capping:	Not reported
Well Decommissioned:	Not reported
Action Included Fencing:	Not reported
Removal Action Certification:	Not reported
Activity Comments:	Not reported
For Commercial Reuse:	0
For Industrial Reuse:	0
For Residential Reuse:	0
Unknown Type:	0
Facility ID:	19490179
Activity:	DES
Activity Name:	DESIGN
AWP Code:	Not reported
Proposed Budget:	0
AWP Completion Date:	Not reported
Revised Due Date:	Not reported
Comments Date:	09051991
Est Person-Yrs to complete:	0
Estimated Size:	Not reported

SO CAL GAS/OLYMPIC BASE MGP (Continued) **S105689611**

Request to Delete Activity:	Not reported
Activity Status:	COM
Definition of Status:	CERTIFIED / OPERATION & MAINTENANCE
Liquids Removed (Gals):	0
Liquids Treated (Gals):	0
Action Included Capping:	Not reported
Well Decommissioned:	Not reported
Action Included Fencing:	Not reported
Removal Action Certification:	Not reported
Activity Comments:	Not reported
For Commercial Reuse:	0
For Industrial Reuse:	0
For Residential Reuse:	0
Unknown Type:	0
Facility ID:	19490179
Activity:	FRA
Activity Name:	FINAL REMEDIAL ACTION
AWP Code:	CAP
Proposed Budget:	0
AWP Completion Date:	Not reported
Revised Due Date:	Not reported
Comments Date:	12161991
Est Person-Yrs to complete:	0
Estimated Size:	Not reported
Request to Delete Activity:	Not reported
Activity Status:	COM
Definition of Status:	CERTIFIED / OPERATION & MAINTENANCE
Liquids Removed (Gals):	0
Liquids Treated (Gals):	0
Action Included Capping:	Not reported
Well Decommissioned:	Not reported
Action Included Fencing:	Not reported
Removal Action Certification:	Not reported
Activity Comments:	Not reported
For Commercial Reuse:	0
For Industrial Reuse:	0
For Residential Reuse:	0
Unknown Type:	0
Facility ID:	19490179
Activity:	CERT
Activity Name:	CERTIFICATION
AWP Code:	Not reported
Proposed Budget:	0
AWP Completion Date:	Not reported
Revised Due Date:	Not reported
Comments Date:	12241991
Est Person-Yrs to complete:	0
Estimated Size:	Not reported
Request to Delete Activity:	Not reported
Activity Status:	COM
Definition of Status:	CERTIFIED / OPERATION & MAINTENANCE
Liquids Removed (Gals):	0
Liquids Treated (Gals):	0
Action Included Capping:	Not reported
Well Decommissioned:	Not reported
Action Included Fencing:	Not reported
Removal Action Certification:	Not reported

SO CAL GAS/OLYMPIC BASE MGP (Continued) **S105689611**

Activity Comments:	Not reported
For Commercial Reuse:	0
For Industrial Reuse:	0
For Residential Reuse:	0
Unknown Type:	0
Facility ID:	19490179
Activity:	OM
Activity Name:	OPERATION & MAINTENANCE
AWP Code:	Not reported
Proposed Budget:	0
AWP Completion Date:	06302011
Revised Due Date:	Not reported
Comments Date:	Not reported
Est Person-Yrs to complete:	0
Estimated Size:	Not reported
Request to Delete Activity:	Not reported
Activity Status:	COM
Definition of Status:	CERTIFIED / OPERATION & MAINTENANCE
Liquids Removed (Gals):	0
Liquids Treated (Gals):	0
Action Included Capping:	Not reported
Well Decommissioned:	Not reported
Action Included Fencing:	Not reported
Removal Action Certification:	Not reported
Activity Comments:	Not reported
For Commercial Reuse:	0
For Industrial Reuse:	0
For Residential Reuse:	0
Unknown Type:	0
Facility ID:	19490179
Activity:	CHP65
Activity Name:	AMENDED ORDER/AGREEMENT, CHAPTER 6.5 TRANSITION
AWP Code:	Not reported
Proposed Budget:	0
AWP Completion Date:	Not reported
Revised Due Date:	Not reported
Comments Date:	01051999
Est Person-Yrs to complete:	0
Estimated Size:	Not reported
Request to Delete Activity:	Not reported
Activity Status:	COM
Definition of Status:	CERTIFIED / OPERATION & MAINTENANCE
Liquids Removed (Gals):	0
Liquids Treated (Gals):	0
Action Included Capping:	Not reported
Well Decommissioned:	Not reported
Action Included Fencing:	Not reported
Removal Action Certification:	Not reported
Activity Comments:	Not reported
For Commercial Reuse:	0
For Industrial Reuse:	0
For Residential Reuse:	0
Unknown Type:	0
Alternate Address:	2424 EAST OLYMPIC BOULEVARD
Alternate City,St,Zip:	LOS ANGELES, CA 90023
Alternate Address:	2424 E OLYMPIC BLVD
Alternate City,St,Zip:	LOS ANGELES, CA 90021

SO CAL GAS/OLYMPIC BASE MGP (Continued) **S105689611**

Background Info: The Southern California Gas (SCG), Olympic Base Site was once a gas manufacturing plant where oil was converted into gas for lighting, heating, and cooking. Residues from the gasification process, mainly consisting of a material "lamp black", were were discovered at the site. "Lamp Black" contains varying amounts of a family of compounds called polynuclear or polycyclic aromatic hydrocarbons (PNAs or PAHs).
The plant was built in the period 1907-1908 by the City Gas Company. In 1908, the Domestic Gas Company purchased and took over the operations of City Gas. In 1910, SCG was incorporated and became the successor of Domestic Gas. SCG operated the plant until 1927, when the service for 100% natural gas started. The plant operated on a standby basis until 1952, when all gas manufacturing operations ceased and the plant was dismantled. SCG has administrative facilities on other portions of the facility.
A Consent Order was signed in December 1986, which addressed the work needed to complete the Remedial Investigation/-Feasibility Study (RI/FS) process. The RI report was approved by the Department on September 17, 1987. The RI found that soil from about 2 to 12 feet below ground surface is contaminated. The contaminants are not readily vaporized, nor do they enter aqueous phase solution. Groundwater aquifers beneath the site are unsaturated to a depth of 90 feet. Air monitoring at the site does not indicate that the contaminants are emitting vapors to the air. SCG then submitted a FS report in May 1988. DHS has reviewed the FS report and requested a full Health Risk Assessment (HRA) based on appropriate biological receptors and exposure pathways on October 20, 1988. The HRA was approved by the Department on June 4, 1990. The FS was revised by SCG and the report approved on July 19, 1990.
The RP submitted a draft RAP on August 20, 1990, as requested by the Department. The Department has published a fact sheet on the findings of the RI/FS. The RAP meeting with the community was held on November 17, 1990 and the RAP was subsequently approved in January of 1991.
The RAP proposed an asphalt cap on the site, groundwater monitoring, and a deed restriction. Groundwater monitoring is necessary as the region the site is located in is currently experiencing a drought; however, if this should change the groundwater table will rise, possibly impacting the conclusions of the RI. The deed restriction, protected the integrity of the cap by limiting land use and excavation of the waste.
The Department directed the RP to prepare a Remedial Design and Implementation (RD&I) plan. The plan included engineering specifications for the asphalt cap, permits, and a schedule for completion of the cap. The cap will be repaired as necessary; necessary; it is expected to require replacement every ten years. This operation and maintenance program will last for 20 years.
Comments Date: 01141999
Comments: Transition to Chapter 6.5.
Comments Date: 01211997
Comments: Report for repair of asphalt was submitted.
Comments Date: 01311984
Comments: Preliminary Assessment Done (RCRA 3012): Multiple operations
Comments Date: 01311984

SO CAL GAS/OLYMPIC BASE MGP (Continued) **S105689611**

Comments:	including transmission bases, truck storage, meter reading,
Comments Date:	01311984
Comments:	customer service, craft shops, and a training center (1965-
Comments Date:	01311984
Comments:	1980). Waste includes barium. Landfill on southeast end of the
Comments Date:	01311984
Comments:	property. Hazardous waste materials include residues from
Comments Date:	01311984
Comments:	wash rack activities and caustic cleaning materials. PA
Comments Date:	01311984
Comments:	submitted to U.S. EPA.
Comments Date:	01311995
Comments:	January-February. Trenching for pipe-line abandonment and
Comments Date:	01311995
Comments:	reroute another high pressure pipeline was done.
Comments Date:	02132002
Comments:	Site visit for Deed Restriction.
Comments Date:	03042004
Comments:	Site visit for Deed Restriction.
Comments Date:	04092003
Comments:	Site annual visit for updating Deed Restriction for the site.
Comments Date:	04092003
Comments:	Updated (description, photos) was completed, approved and filed
Comments Date:	04092003
Comments:	04/15/03.
Comments Date:	04152003
Comments:	Site visit for Deed Restriction.
Comments Date:	05112000
Comments:	Collection of lampblack samples for an interutility project/
Comments Date:	05112000
Comments:	subject Environmentally Acceptable Endpoints.
Comments Date:	05192004
Comments:	Additional maintenance report was submitted to DTSC.
Comments Date:	05261999
Comments:	SB 47 reauthorized the site under Chapter 6.8.
Comments Date:	06251996
Comments:	The gas company conducted the 4th annual asphalt cap inspection
Comments Date:	06251996
Comments:	at the site.
Comments Date:	07022001
Comments:	Summary of laboratory results was sent to DTSC.
Comments Date:	07061998
Comments:	The Gas Company submitted the yearly monitoring report and the
Comments Date:	07061998
Comments:	5th Annual Asphalt inspection at the site.
Comments Date:	07211991
Comments:	Former gas manufacturing plant (oil converted to gas).
Comments Date:	07211991
Comments:	Contaminant of concern is lamp black.
Comments Date:	08021996
Comments:	The Gas Company submitted the yearly monitoring report. The
Comments Date:	08021996
Comments:	areas of old asphalt will be replaced with new asphalt pavement
Comments Date:	08021996
Comments:	within 90 days.
Comments Date:	09291983
Comments:	Facility Identified: ERRIS.

SO CAL GAS/OLYMPIC BASE MGP (Continued) **S105689611**

Comments Date:	12112003
Comments:	Periodic Monitoring Report - Asphalt Cap Inspection was
Comments Date:	12112003
Comments:	submitted to DTSC.
Comments Date:	12161991
Comments:	The Final Remedial Action consisted of placing an asphalt cap
Comments Date:	12161991
Comments:	on the unpaved portions of the Olympic Base Site which would be
Comments Date:	12161991
Comments:	maintained according to the requirements set forth in the RAP.
Comments Date:	12161991
Comments:	A deed restriction was recorded on the property. The design of
Comments Date:	12161991
Comments:	the cap was prepared and included in the RAP workplan.
ID Name:	CALSTARS CODE
ID Value:	300144
ID Name:	BEP DATABASE PCODE
ID Value:	P31041
ID Name:	EPA IDENTIFICATION NUMBER
ID Value:	CAD980636153
Alternate Name:	SOUTHERN CALIF GAS CO- OLYMPIC BASE SITE
Alternate Name:	SO CAL GAS/OLYMPIC BASE MGP
Alternate Name:	SOUTHERN CALIFORNIA GAS COMPANY
Alternate Name:	SOUTHERN CALIFORNIA GAS
Alternate Name:	Not reported
Special Programs Code:	R3012
Special Programs Name:	RCRA 3012

NPDES:

Name:	OLYMPIC BASE
Address:	2424 E OLYMPIC BLVD
City,State,Zip:	LOS ANGELES, CA 90021
Facility Status:	Not reported
NPDES Number:	Not reported
Region:	Not reported
Agency Number:	Not reported
Regulatory Measure ID:	Not reported
Place ID:	Not reported
Order Number:	Not reported
WDID:	Not reported
Regulatory Measure Type:	Industrial
Program Type:	Not reported
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Discharge Address:	Not reported
Discharge Name:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
Status:	Returned
Status Date:	12/02/2011
Operator Name:	Southern California Gas Co
Operator Address:	8141 Gulana Ave
Operator City:	Playa Del Rey
Operator State:	California

SO CAL GAS/OLYMPIC BASE MGP (Continued) **S105689611**

Operator Zip: 90293

WDS:

Name:	OLYMPIC BASE
Address:	2424 E Olympic Blvd
City:	LOS ANGELES
Facility ID:	4 19I002596
Facility Type:	Other - Does not fall into the category of Municipal/Domestic, Industrial, Agricultural or Solid Waste (Class I, II or III)
Facility Status:	Active - Any facility with a continuous or seasonal discharge that is under Waste Discharge Requirements.
NPDES Number:	CAS000001 The 1st 2 characters designate the state. The remaining 7 are assigned by the Regional Board
Subregion:	4
Facility Telephone:	Not reported
Facility Contact:	Not reported
Agency Name:	SOUTHERN CALIFORNIA GAS CO.
Agency Address:	Not reported
Agency City,St,Zip:	0
Agency Contact:	Not reported
Agency Telephone:	Not reported
Agency Type:	Private
SIC Code:	0
SIC Code 2:	Not reported
Primary Waste Type:	Not reported
Primary Waste:	Not reported
Waste Type2:	Not reported
Waste2:	Not reported
Primary Waste Type:	Not reported
Secondary Waste:	Not reported
Secondary Waste Type:	Not reported
Design Flow:	0
Baseline Flow:	0
Reclamation:	Not reported
POTW:	Not reported
Treat To Water:	Minor Threat to Water Quality. A violation of a regional board order should cause a relatively minor impairment of beneficial uses compared to a major or minor threat. Not: All nurds without a TTWQ will be considered a minor threat to water quality unless coded at a higher Level. A Zero (0) may be used to code those NURDS that are found to represent no threat to water quality.
Complexity:	Category C - Facilities having no waste treatment systems, such as cooling water dischargers or thosewho must comply through best management practices, facilities with passive waste treatment and disposal systems, such as septic systems with subsurface disposal, or dischargers having waste storage systems with land disposal such as dairy waste ponds.

BA287
SE
1/2-1
0.701 mi.
3700 ft.

SO CAL GAS/OLYMPIC BASE MGP
2424 E OLYMPIC BLVD
LOS ANGELES, CA 90021

Site 5 of 5 in cluster BA

EDR MGP **1008407709**
N/A

Relative:
Lower

Actual:
233 ft.

Manufactured Gas Plants:

The Southern California Gas (SCG), Olympic Base Site was once a gas manufacturing plant where oil was converted into gas for lighting, heating, and cooking. Residues from the gasification process, mainly consisting of a material "lamp black", were weere discovered at the site. "Lamp Black" contains varying amounts of a family of compounds called polynuclear or polycyclic aromatic hydrocarbons (PNAs or PAHs). The plant was built in the period 1907-1908 by the City Gas Company. In 1908, the Domesttic Gas Company purchased and took over the operations of City Gas. In 1910, SCG was incorporated and became the successor of Domestic Gas. SCG operated the plant until 1927, when the service for 100% natural gas started. The plant operated on a stanndby basis until 1952, when all gas manufacturing operations ceased and the plant was dismantled. SCG has administrative facilities on other portions of the facility

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288
SSW
1/2-1
0.713 mi.
3763 ft.

FISHKING PROCESSORS/COMPTON AVE
1640 COMPTON AVE
LOS ANGELES, CA 90021

ENVIROSTOR **S106568234**
VCP **N/A**

Relative:
Lower

Actual:
230 ft.

ENVIROSTOR:

Name:	FISHKING PROCESSORS/COMPTON AVE
Address:	1640 COMPTON AVE
City,State,Zip:	LOS ANGELES, CA 90021
Facility ID:	19760016
Status:	No Further Action
Status Date:	04/09/1997
Site Code:	300655
Site Type:	Voluntary Cleanup
Site Type Detailed:	Voluntary Agreement
Acres:	Not reported
NPL:	NO
Regulatory Agencies:	SMBRP
Lead Agency:	SMBRP
Program Manager:	Not reported
Supervisor:	Not reported
Division Branch:	Cleanup Chatsworth
Assembly:	53
Senate:	30
Special Program:	Voluntary Agreement - Standard Voluntary Agreement
Restricted Use:	NO
Site Mgmt Req:	NONE SPECIFIED
Funding:	Responsible Party
Latitude:	34.02735
Longitude:	-118.2467
APN:	NONE SPECIFIED
Past Use:	HAZARDOUS WASTE STORAGE - TANKS/CONTAINERS
Potential COC:	Arsenic Benzene Total Chromium (1:6 ratio Cr VI:Cr III Lead Tetrachloroethylene (PCE Trichloroethylene (TCE
Confirmed COC:	Arsenic Benzene Total Chromium (1:6 ratio Cr VI:Cr III Lead Tetrachloroethylene (PCE Trichloroethylene (TCE
Potential Description:	SOIL, SV
Alias Name:	FISHKING PROCESSORS, INC.
Alias Type:	Alternate Name

FISHKING PROCESSORS/COMPTON AVE (Continued) **S106568234**

Alias Name:	FISHKING/COMPTON AV
Alias Type:	Alternate Name
Alias Name:	110033615425
Alias Type:	EPA (FRS #)
Alias Name:	300655
Alias Type:	Project Code (Site Code)
Alias Name:	19760016
Alias Type:	Envirostor ID Number

Completed Info:

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Preliminary Endangerment Assessment Report
Completed Date:	12/21/1998
Comments:	A PEA was performed. Soil sampling and analysis was conducted for PCBs, metals, VOCs, and TPH. The results showed that concentrations of PCBs and VOCs were found at the site. Soil contaminated with PCBs was removed from the site, and additional sampling was conducted. The additional sampling performed at the site confirmed that the low levels of PCBs and VOCs remaining on the site do not pose a human health risk as specified in DTSC's PEA manual.

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Standard Voluntary Agreement
Completed Date:	04/09/1997
Comments:	Not reported

Future Area Name:	Not reported
Future Sub Area Name:	Not reported
Future Document Type:	Not reported
Future Due Date:	Not reported
Schedule Area Name:	Not reported
Schedule Sub Area Name:	Not reported
Schedule Document Type:	Not reported
Schedule Due Date:	Not reported
Schedule Revised Date:	Not reported

VCP:

Name:	FISHKING PROCESSORS/COMPTON AVE
Address:	1640 COMPTON AVE
City,State,Zip:	LOS ANGELES, CA 90021
Facility ID:	19760016
Site Type:	Voluntary Cleanup
Site Type Detail:	Voluntary Agreement
Site Mgmt. Req.:	NONE SPECIFIED
Acres:	Not reported
National Priorities List:	NO
Cleanup Oversight Agencies:	SMBRP
Lead Agency:	SMBRP
Lead Agency Description:	DTSC - Site Cleanup Program
Project Manager:	Not reported
Supervisor:	Not reported
Division Branch:	Cleanup Chatsworth
Site Code:	300655
Assembly:	53
Senate:	30

FISHKING PROCESSORS/COMPTON AVE (Continued) **S106568234**

Special Programs Code:	Voluntary Agreement - Standard Voluntary Agreement
Status:	No Further Action
Status Date:	04/09/1997
Restricted Use:	NO
Funding:	Responsible Party
Lat/Long:	34.02735 / -118.2467
APN:	NONE SPECIFIED
Past Use:	HAZARDOUS WASTE STORAGE - TANKS/CONTAINERS
Potential COC:	30001, 30003, 30005, 30013, 30022, 30027
Confirmed COC:	30001,30003,30005,30013,30022,30027
Potential Description:	SOIL, SV
Alias Name:	FISHKING PROCESSORS, INC.
Alias Type:	Alternate Name
Alias Name:	FISHKING/COMPTON AV
Alias Type:	Alternate Name
Alias Name:	110033615425
Alias Type:	EPA (FRS #)
Alias Name:	300655
Alias Type:	Project Code (Site Code)
Alias Name:	19760016
Alias Type:	Envirostor ID Number

Completed Info:

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Preliminary Endangerment Assessment Report
Completed Date:	12/21/1998
Comments:	A PEA was performed. Soil sampling and analysis was conducted for PCBs, metals, VOCs, and TPH. The results showed that concentrations of PCBs and VOCs were found at the site. Soil contaminated with PCBs was removed from the site, and additional sampling was conducted. The additional sampling performed at the site confirmed that the low levels of PCBs and VOCs remaining on the site do not pose a human health risk as specified in DTSC's PEA manual.

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Standard Voluntary Agreement
Completed Date:	04/09/1997
Comments:	Not reported

Future Area Name:	Not reported
Future Sub Area Name:	Not reported
Future Document Type:	Not reported
Future Due Date:	Not reported
Schedule Area Name:	Not reported
Schedule Sub Area Name:	Not reported
Schedule Document Type:	Not reported
Schedule Due Date:	Not reported
Schedule Revised Date:	Not reported

289
East
1/2-1
0.716 mi.
3780 ft.

SANTA FE/W.A. GRANT
2144 EAST 7TH STREET
LOS ANGELES, CA 90021

ENVIROSTOR **S102860873**
VCP **N/A**

Relative:
Lower

Actual:
243 ft.

ENVIROSTOR:

Name:	SANTA FE/W.A. GRANT
Address:	2144 EAST 7TH STREET
City,State,Zip:	LOS ANGELES, CA 90021
Facility ID:	19330375
Status:	No Further Action
Status Date:	09/16/1996
Site Code:	300582
Site Type:	Voluntary Cleanup
Site Type Detailed:	Voluntary Agreement
Acres:	2.3
NPL:	NO
Regulatory Agencies:	DTSC
Lead Agency:	DTSC
Program Manager:	Shahir Haddad
Supervisor:	Sayareh Amirebrahimi
Division Branch:	Cleanup Chatsworth
Assembly:	53
Senate:	24
Special Program:	Voluntary Agreement - Standard Voluntary Agreement
Restricted Use:	NO
Site Mgmt Req:	NONE SPECIFIED
Funding:	Responsible Party
Latitude:	34.03444
Longitude:	-118.2277
APN:	NONE SPECIFIED
Past Use:	MANUFACTURING - OTHER, RESIDENTIAL AREA
Potential COC:	Lead No Contaminants found
Confirmed COC:	31000-NO
Potential Description:	SOIL, SOIL
Alias Name:	ATCHISON, TOPEKA AND SANTA FE RAILWAY CO
Alias Type:	Alternate Name
Alias Name:	SANTA FE RAILWAY COMPANY
Alias Type:	Alternate Name
Alias Name:	SANTA FE/W. ACOMPANY
Alias Type:	Alternate Name
Alias Name:	W.A. GRANT & COMPANY
Alias Type:	Alternate Name
Alias Name:	110033609995
Alias Type:	EPA (FRS #)
Alias Name:	300582
Alias Type:	Project Code (Site Code)
Alias Name:	19330375
Alias Type:	Envirostor ID Number

Completed Info:

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Standard Voluntary Agreement
Completed Date:	05/31/1996
Comments:	DTSC signed a Voluntary Cleanup Agreement with Santa Fe for the completion and review of a Preliminary Endangerment Assessment.
Completed Area Name:	PROJECT WIDE

SANTA FE/W.A. GRANT (Continued) **S102860873**

Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Report
Completed Date: 09/04/1996
Comments: DTSC reviewed a Preliminary Endangerment Assessment for the site under a Voluntary Cleanup Agreement. Based on the information and data presented, DTSC determined that the hazardous constituents remaining at the site do not constitute a threat to human health or the environment.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Screening
Completed Date: 09/13/1995
Comments: The Department received a Non-Emergency Hazardous Substance Release Report dated January 31, 1995. Review of the document indicates that the site is contaminated with elevated levels of heavy metals such as lead, copper and zinc. Foundry operations existed at the site from at least 1906 until 1990, operated by W.G. Grant & Co. Santa Fe Railway is the current owner of the site. RP removed USTs from the site without any regulatory agency oversight. Due to evidence of a release, DTSC is recommending that a PEA be conducted to evaluate the site. On September 13, 1995, DTSC notified the RP thereof.

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

VCP:
Name: SANTA FE/W.A. GRANT
Address: 2144 EAST 7TH STREET
City,State,Zip: LOS ANGELES, CA 90021
Facility ID: 19330375
Site Type: Voluntary Cleanup
Site Type Detail: Voluntary Agreement
Site Mgmt. Req.: NONE SPECIFIED
Acres: 2.3
National Priorities List: NO
Cleanup Oversight Agencies: DTSC
Lead Agency: DTSC
Lead Agency Description: * DTSC
Project Manager: Shahir Haddad
Supervisor: Sayareh Amirebrahimi
Division Branch: Cleanup Chatsworth
Site Code: 300582
Assembly: 53
Senate: 24
Special Programs Code: Voluntary Agreement - Standard Voluntary Agreement
Status: No Further Action
Status Date: 09/16/1996
Restricted Use: NO
Funding: Responsible Party

SANTA FE/W.A. GRANT (Continued) **S102860873**

Lat/Long:	34.03444 / -118.2277
APN:	NONE SPECIFIED
Past Use:	MANUFACTURING - OTHER, RESIDENTIAL AREA
Potential COC:	30013,31000
Confirmed COC:	31000-NO
Potential Description:	SOIL, SOIL
Alias Name:	ATCHISON, TOPEKA AND SANTA FE RAILWAY CO
Alias Type:	Alternate Name
Alias Name:	SANTA FE RAILWAY COMPANY
Alias Type:	Alternate Name
Alias Name:	SANTA FE/W. ACOMPANY
Alias Type:	Alternate Name
Alias Name:	W.A. GRANT & COMPANY
Alias Type:	Alternate Name
Alias Name:	110033609995
Alias Type:	EPA (FRS #)
Alias Name:	300582
Alias Type:	Project Code (Site Code)
Alias Name:	19330375
Alias Type:	Envirostor ID Number

Completed Info:

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Standard Voluntary Agreement
Completed Date:	05/31/1996
Comments:	DTSC signed a Voluntary Cleanup Agreement with Santa Fe for the completion and review of a Preliminary Endangerment Assessment.

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Preliminary Endangerment Assessment Report
Completed Date:	09/04/1996
Comments:	DTSC reviewed a Preliminary Endangerment Assessment for the site under a Voluntary Cleanup Agreement. Based on the information and data presented, DTSC determined that the hazardous constituents remaining at the site do not constitute a threat to human health or the environment.

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Site Screening
Completed Date:	09/13/1995
Comments:	The Department received a Non-Emergency Hazardous Substance Release Report dated January 31, 1995. Review of the document indicates that the site is contaminated with elevated levels of heavy metals such as lead, copper and zinc. Foundry operations existed at the site from at least 1906 until 1990, operated by W.G. Grant & Co. Santa Fe Railway is the current owner of the site. RP removed USTs from the site without any regulatory agency oversight. Due to evidence of a release, DTSC is recommending that a PEA be conducted to evaluate the site. On September 13, 1995, DTSC notified the RP thereof.

Future Area Name:	Not reported
Future Sub Area Name:	Not reported
Future Document Type:	Not reported
Future Due Date:	Not reported
Schedule Area Name:	Not reported

SANTA FE/W.A. GRANT (Continued) **S102860873**

Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

290
North
1/2-1
0.718 mi.
3792 ft.

LOS ANGELES DIE CASTING **ENVIROSTOR** **1000102043**
340 CROCKER STREET. **EMI** **N/A**
LOS ANGELES, CA 90013

Relative:
Higher

Actual:
263 ft.

ENVIROSTOR:
Name: LOS ANGELES DIE CASTING
Address: 340 CROCKER STREET.
City,State,Zip: LOS ANGELES, CA 90013
Facility ID: 71003622
Status: Refer: Other Agency
Status Date: Not reported
Site Code: Not reported
Site Type: Tiered Permit
Site Type Detailed: Tiered Permit
Acres: Not reported
NPL: NO
Regulatory Agencies: NONE SPECIFIED
Lead Agency: NONE SPECIFIED
Program Manager: Not reported
Supervisor: Not reported
Division Branch: Cleanup Chatsworth
Assembly: 53
Senate: 30
Special Program: Not reported
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: Not reported
Latitude: 34.04554
Longitude: -118.2408
APN: NONE SPECIFIED
Past Use: NONE SPECIFIED
Potential COC: NONE SPECIFIED
Confirmed COC: NONE SPECIFIED
Potential Description: NONE SPECIFIED
Alias Name: CAD084340272
Alias Type: EPA Identification Number
Alias Name: 71003622
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Phase 1 Non-Submittal
Completed Date: 05/24/2001
Comments: Not reported

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported

LOS ANGELES DIE CASTING (Continued) **1000102043**

Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

EMI:

Name:	AMETEK INC, L A DIE CASTING
Address:	340 CROCKER ST
City,State,Zip:	LOS ANGELES, CA 900130000
Year:	1990
County Code:	19
Air Basin:	SC
Facility ID:	4197
Air District Name:	SC
SIC Code:	3369
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	21
Reactive Organic Gases Tons/Yr:	2
Carbon Monoxide Emissions Tons/Yr:	3
NOX - Oxides of Nitrogen Tons/Yr:	4
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Name:	AMETEK INC, L A DIE CASTING
Address:	340 CROCKER ST
City,State,Zip:	LOS ANGELES, CA 900130000
Year:	1993
County Code:	19
Air Basin:	SC
Facility ID:	4197
Air District Name:	SC
SIC Code:	3369
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	1
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	1
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Name:	AMETEK INC, L A DIE CASTING
Address:	340 CROCKER ST
City,State,Zip:	LOS ANGELES, CA 900130000
Year:	1995
County Code:	19
Air Basin:	SC
Facility ID:	4197
Air District Name:	SC
SIC Code:	3369
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported

LOS ANGELES DIE CASTING (Continued) **1000102043**

Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	1
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	1
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

291
SSE
1/2-1
0.727 mi.
3841 ft.

Relative:
Lower

Actual:
229 ft.

MID CITY IRON/METAL CORP
2104 E 15TH ST
LOS ANGELES, CA 90021

ENVIROSTOR **S101584674**
AST **N/A**
CERS HAZ WASTE
SWEEPS UST
CA FID UST
NPDES
HAZMAT
WDS
CIWQS
CERS

ENVIROSTOR:

Name:	MID CITY IRON & METAL CORPORATION
Address:	2104 E 15TH ST.
City,State,Zip:	LOS ANGELES, CA 90002
Facility ID:	60000313
Status:	Inactive - Action Required
Status Date:	05/19/2006
Site Code:	Not reported
Site Type:	Evaluation
Site Type Detailed:	Evaluation
Acres:	1.25
NPL:	NO
Regulatory Agencies:	SMBRP
Lead Agency:	SMBRP
Program Manager:	Not reported
Supervisor:	Juli Propes
Division Branch:	Cleanup Chatsworth
Assembly:	53
Senate:	24
Special Program:	EPA - PASI
Restricted Use:	NO
Site Mgmt Req:	NONE SPECIFIED
Funding:	EPA Grant
Latitude:	34.02174
Longitude:	-118.2340
APN:	5167019024
Past Use:	RECYCLING - SCRAP METAL
Potential COC:	Lead Polychlorinated biphenyls (PCBs
Confirmed COC:	30018-NO 30013-NO
Potential Description:	SOIL
Alias Name:	5167019024
Alias Type:	APN
Alias Name:	60000313
Alias Type:	Envirostor ID Number

Completed Info:

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported

MID CITY IRON/METAL CORP (Continued) **S101584674**

Completed Document Type: Site Screening
Completed Date: 05/19/2006
Comments: EPA APPROVAL BY MATT MITGUARD (PROJECT OFFICER)

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

LOS ANGELES AST:
Facility ID: FA0023339
Name: SA RECYCLING
Address: 2104 E 15TH ST
City,State,Zip: LOS ANGELES, CA 90021
Last Run Date: 06/01/2019
Status: ACTIVE

CERS HAZ WASTE:
Name: SA RECYCLING
Address: 2104 E 15TH ST
City,State,Zip: LOS ANGELES, CA 90021
Site ID: 401096
CERS ID: 10248877
CERS Description: Hazardous Waste Generator

SWEEPS UST:
Name: MID CITY IRON/METAL CORP
Address: 2104 E 15TH ST
City: LOS ANGELES
Status: Not reported
Comp Number: 4344
Number: Not reported
Board Of Equalization: Not reported
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: Not reported
Tank Status: Not reported
Capacity: Not reported
Active Date: Not reported
Tank Use: Not reported
STG: Not reported
Content: Not reported
Number Of Tanks: 0

CA FID UST:
Facility ID: 19014198
Regulated By: UTNKA
Regulated ID: Not reported

MID CITY IRON/METAL CORP (Continued) **S101584674**

Cortese Code:	Not reported
SIC Code:	Not reported
Facility Phone:	2130000000
Mail To:	Not reported
Mailing Address:	2104 E 15TH ST
Mailing Address 2:	Not reported
Mailing City,St,Zip:	LOS ANGELES 900210000
Contact:	Not reported
Contact Phone:	Not reported
DUNs Number:	Not reported
NPDES Number:	Not reported
EPA ID:	Not reported
Comments:	Not reported
Status:	Active

NPDES:

Name:	SA RECYCLING
Address:	2104 E 15TH ST
City,State,Zip:	LOS ANGELES, CA 90021
Facility Status:	Not reported
NPDES Number:	Not reported
Region:	Not reported
Agency Number:	Not reported
Regulatory Measure ID:	Not reported
Place ID:	Not reported
Order Number:	Not reported
WDID:	4 19I021118
Regulatory Measure Type:	Industrial
Program Type:	Not reported
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Discharge Address:	Not reported
Discharge Name:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
Status:	Active
Status Date:	09/05/2007
Operator Name:	SA Recycling LLC
Operator Address:	2411 N Glassell Street
Operator City:	Orange
Operator State:	California
Operator Zip:	92865

NPDES as of 03/2018:

NPDES Number:	CAS000001
Status:	Active
Agency Number:	0
Region:	4
Regulatory Measure ID:	331018
Order Number:	97-03-DWQ
Regulatory Measure Type:	Enrollee
Place ID:	Not reported
WDID:	4 19I021118
Program Type:	Industrial

MID CITY IRON/METAL CORP (Continued) **S101584674**

Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	09/05/2007
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	SA Recycling LLC
Discharge Address:	2411 N Glassell Street
Discharge City:	Orange
Discharge State:	California
Discharge Zip:	92865
Received Date:	Not reported
Processed Date:	Not reported
Status:	Not reported
Status Date:	Not reported
Place Size:	Not reported
Place Size Unit:	Not reported
Contact:	Not reported
Contact Title:	Not reported
Contact Phone:	Not reported
Contact Phone Ext:	Not reported
Contact Email:	Not reported
Operator Name:	Not reported
Operator Address:	Not reported
Operator City:	Not reported
Operator State:	Not reported
Operator Zip:	Not reported
Operator Contact:	Not reported
Operator Contact Title:	Not reported
Operator Contact Phone:	Not reported
Operator Contact Phone Ext:	Not reported
Operator Contact Email:	Not reported
Operator Type:	Not reported
Developer:	Not reported
Developer Address:	Not reported
Developer City:	Not reported
Developer State:	Not reported
Developer Zip:	Not reported
Developer Contact:	Not reported
Developer Contact Title:	Not reported
Constype Linear Utility Ind:	Not reported
Emergency Phone:	Not reported
Emergency Phone Ext:	Not reported
Constype Above Ground Ind:	Not reported
Constype Below Ground Ind:	Not reported
Constype Cable Line Ind:	Not reported
Constype Comm Line Ind:	Not reported
Constype Commertial Ind:	Not reported
Constype Electrical Line Ind:	Not reported
Constype Gas Line Ind:	Not reported
Constype Industrial Ind:	Not reported
Constype Other Description:	Not reported
Constype Other Ind:	Not reported
Constype Recons Ind:	Not reported
Constype Residential Ind:	Not reported
Constype Transport Ind:	Not reported
Constype Utility Description:	Not reported
Constype Utility Ind:	Not reported
Constype Water Sewer Ind:	Not reported

MID CITY IRON/METAL CORP (Continued) **S101584674**

Dir Discharge Uswater Ind:	Not reported
Receiving Water Name:	Not reported
Certifier:	Not reported
Certifier Title:	Not reported
Certification Date:	Not reported
Primary Sic:	Not reported
Secondary Sic:	Not reported
Tertiary Sic:	Not reported
NPDES Number:	Not reported
Status:	Not reported
Agency Number:	Not reported
Region:	4
Regulatory Measure ID:	331018
Order Number:	Not reported
Regulatory Measure Type:	Industrial
Place ID:	Not reported
WDID:	4 19I021118
Program Type:	Not reported
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	Not reported
Discharge Address:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
Received Date:	05/09/2008
Processed Date:	09/05/2007
Status:	Active
Status Date:	09/05/2007
Place Size:	2.2
Place Size Unit:	Acres
Contact:	Todd Peterson
Contact Title:	Not reported
Contact Phone:	714-632-2000
Contact Phone Ext:	2041
Contact Email:	tpeterson@sarecycling.com
Operator Name:	SA Recycling LLC
Operator Address:	2411 N Glassell Street
Operator City:	Orange
Operator State:	California
Operator Zip:	92865
Operator Contact:	Todd Peterson
Operator Contact Title:	Not reported
Operator Contact Phone:	714-632-2000
Operator Contact Phone Ext:	2041
Operator Contact Email:	tpeterson@sarecycling.com
Operator Type:	Private Business
Developer:	Not reported
Developer Address:	Not reported
Developer City:	Not reported
Developer State:	California
Developer Zip:	Not reported
Developer Contact:	Not reported
Developer Contact Title:	Not reported

MID CITY IRON/METAL CORP (Continued) **S101584674**

Constype Linear Utility Ind:	Not reported
Emergency Phone:	Not reported
Emergency Phone Ext:	Not reported
Constype Above Ground Ind:	Not reported
Constype Below Ground Ind:	Not reported
Constype Cable Line Ind:	Not reported
Constype Comm Line Ind:	Not reported
Constype Commertial Ind:	Not reported
Constype Electrical Line Ind:	Not reported
Constype Gas Line Ind:	Not reported
Constype Industrial Ind:	Not reported
Constype Other Description:	Not reported
Constype Other Ind:	Not reported
Constype Recons Ind:	Not reported
Constype Residential Ind:	Not reported
Constype Transport Ind:	Not reported
Constype Utility Description:	Not reported
Constype Utility Ind:	Not reported
Constype Water Sewer Ind:	Not reported
Dir Discharge Uswater Ind:	N
Receiving Water Name:	Los Angeles River
Certifier:	Tesha Johnson
Certifier Title:	Corporate Permits Manager
Certification Date:	30-APR-15
Primary Sic:	5093-Scrap and Waste Materials
Secondary Sic:	5015-Motor Vehicle Parts, Used
Tertiary Sic:	Not reported

Name:	SA RECYCLING
Address:	2104 E 15TH ST
City,State,Zip:	LOS ANGELES, CA 90021
Facility Status:	Active
NPDES Number:	CAS000001
Region:	4
Agency Number:	0
Regulatory Measure ID:	331018
Place ID:	Not reported
Order Number:	97-03-DWQ
WDID:	4 19I021118
Regulatory Measure Type:	Enrollee
Program Type:	Industrial
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	09/05/2007
Termination Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Discharge Address:	2411 N Glassell Street
Discharge Name:	SA Recycling LLC
Discharge City:	Orange
Discharge State:	California
Discharge Zip:	92865
Status:	Not reported
Status Date:	Not reported
Operator Name:	Not reported
Operator Address:	Not reported
Operator City:	Not reported
Operator State:	Not reported

MID CITY IRON/METAL CORP (Continued) **S101584674**

Operator Zip:	Not reported

NPDES as of 03/2018:

NPDES Number:	CAS000001
Status:	Active
Agency Number:	0
Region:	4
Regulatory Measure ID:	331018
Order Number:	97-03-DWQ
Regulatory Measure Type:	Enrollee
Place ID:	Not reported
WDID:	4 19I021118
Program Type:	Industrial
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	09/05/2007
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	SA Recycling LLC
Discharge Address:	2411 N Glassell Street
Discharge City:	Orange
Discharge State:	California
Discharge Zip:	92865
Received Date:	Not reported
Processed Date:	Not reported
Status:	Not reported
Status Date:	Not reported
Place Size:	Not reported
Place Size Unit:	Not reported
Contact:	Not reported
Contact Title:	Not reported
Contact Phone:	Not reported
Contact Phone Ext:	Not reported
Contact Email:	Not reported
Operator Name:	Not reported
Operator Address:	Not reported
Operator City:	Not reported
Operator State:	Not reported
Operator Zip:	Not reported
Operator Contact:	Not reported
Operator Contact Title:	Not reported
Operator Contact Phone:	Not reported
Operator Contact Phone Ext:	Not reported
Operator Contact Email:	Not reported
Operator Type:	Not reported
Developer:	Not reported
Developer Address:	Not reported
Developer City:	Not reported
Developer State:	Not reported
Developer Zip:	Not reported
Developer Contact:	Not reported
Developer Contact Title:	Not reported
Constype Linear Utility Ind:	Not reported
Emergency Phone:	Not reported
Emergency Phone Ext:	Not reported
Constype Above Ground Ind:	Not reported
Constype Below Ground Ind:	Not reported
Constype Cable Line Ind:	Not reported
Constype Comm Line Ind:	Not reported

MID CITY IRON/METAL CORP (Continued) **S101584674**

Constype Commertial Ind:	Not reported
Constype Electrical Line Ind:	Not reported
Constype Gas Line Ind:	Not reported
Constype Industrial Ind:	Not reported
Constype Other Description:	Not reported
Constype Other Ind:	Not reported
Constype Recons Ind:	Not reported
Constype Residential Ind:	Not reported
Constype Transport Ind:	Not reported
Constype Utility Description:	Not reported
Constype Utility Ind:	Not reported
Constype Water Sewer Ind:	Not reported
Dir Discharge Uswater Ind:	Not reported
Receiving Water Name:	Not reported
Certifier:	Not reported
Certifier Title:	Not reported
Certification Date:	Not reported
Primary Sic:	Not reported
Secondary Sic:	Not reported
Tertiary Sic:	Not reported
NPDES Number:	Not reported
Status:	Not reported
Agency Number:	Not reported
Region:	4
Regulatory Measure ID:	331018
Order Number:	Not reported
Regulatory Measure Type:	Industrial
Place ID:	Not reported
WDID:	4 19I021118
Program Type:	Not reported
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	Not reported
Discharge Address:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
Received Date:	05/09/2008
Processed Date:	09/05/2007
Status:	Active
Status Date:	09/05/2007
Place Size:	2.2
Place Size Unit:	Acres
Contact:	Todd Peterson
Contact Title:	Not reported
Contact Phone:	714-632-2000
Contact Phone Ext:	2041
Contact Email:	tpeterson@sarecycling.com
Operator Name:	SA Recycling LLC
Operator Address:	2411 N Glassell Street
Operator City:	Orange
Operator State:	California
Operator Zip:	92865
Operator Contact:	Todd Peterson

MID CITY IRON/METAL CORP (Continued) **S101584674**

Operator Contact Title:	Not reported
Operator Contact Phone:	714-632-2000
Operator Contact Phone Ext:	2041
Operator Contact Email:	tpeterson@sarecycling.com
Operator Type:	Private Business
Developer:	Not reported
Developer Address:	Not reported
Developer City:	Not reported
Developer State:	California
Developer Zip:	Not reported
Developer Contact:	Not reported
Developer Contact Title:	Not reported
Constype Linear Utility Ind:	Not reported
Emergency Phone:	Not reported
Emergency Phone Ext:	Not reported
Constype Above Ground Ind:	Not reported
Constype Below Ground Ind:	Not reported
Constype Cable Line Ind:	Not reported
Constype Comm Line Ind:	Not reported
Constype Commertial Ind:	Not reported
Constype Electrical Line Ind:	Not reported
Constype Gas Line Ind:	Not reported
Constype Industrial Ind:	Not reported
Constype Other Description:	Not reported
Constype Other Ind:	Not reported
Constype Recons Ind:	Not reported
Constype Residential Ind:	Not reported
Constype Transport Ind:	Not reported
Constype Utility Description:	Not reported
Constype Utility Ind:	Not reported
Constype Water Sewer Ind:	Not reported
Dir Discharge Uswater Ind:	N
Receiving Water Name:	Los Angeles River
Certifier:	Tesha Johnson
Certifier Title:	Corporate Permits Manager
Certification Date:	30-APR-15
Primary Sic:	5093-Scrap and Waste Materials
Secondary Sic:	5015-Motor Vehicle Parts, Used
Tertiary Sic:	Not reported

LOS ANGELES HM:

Name:	SA RECYCLING
Address:	2104 E 15TH ST
City,State,Zip:	LOS ANGELES, CA 90021
Facility ID:	FA0023339
Last Run Date:	11/01/2022
Status:	ACTIVE

WDS:

Name:	MID CITY IRON AND METAL
Address:	2104 E 15th St
City:	LOS ANGELES
Facility ID:	4 19I010401
Facility Type:	Other - Does not fall into the category of Municipal/Domestic, Industrial, Agricultural or Solid Waste (Class I, II or III)

MID CITY IRON/METAL CORP (Continued) **S101584674**

Facility Status:	Active - Any facility with a continuous or seasonal discharge that is under Waste Discharge Requirements.
NPDES Number:	CAS000001 The 1st 2 characters designate the state. The remaining 7 are assigned by the Regional Board
Subregion:	4
Facility Telephone:	2137474281
Facility Contact:	Tammi Shank
Agency Name:	MID CITY IRON AND METAL
Agency Address:	2104 E. 15th Street
Agency City,St,Zip:	Los Angeles 90021
Agency Contact:	Tammi Shank
Agency Telephone:	2137474281
Agency Type:	Private
SIC Code:	5093
SIC Code 2:	Not reported
Primary Waste Type:	Not reported
Primary Waste:	Not reported
Waste Type2:	Not reported
Waste2:	Not reported
Primary Waste Type:	Not reported
Secondary Waste:	Not reported
Secondary Waste Type:	Not reported
Design Flow:	0
Baseline Flow:	0
Reclamation:	No reclamation requirements associated with this facility.
POTW:	The facility is not a POTW.
Treat To Water:	Minor Threat to Water Quality. A violation of a regional board order should cause a relatively minor impairment of beneficial uses compared to a major or minor threat. Not: All nurds without a TTWQ will be considered a minor threat to water quality unless coded at a higher Level. A Zero (0) may be used to code those NURDS that are found to represent no threat to water quality.
Complexity:	Category C - Facilities having no waste treatment systems, such as cooling water dischargers or thosewho must comply through best management practices, facilities with passive waste treatment and disposal systems, such as septic systems with subsurface disposal, or dischargers having waste storage systems with land disposal such as dairy waste ponds.

CIWQS:

Name:	SA RECYCLING
Address:	2104 E 15TH ST
City,State,Zip:	LOS ANGELES, CA 90021
Agency:	SA Recycling LLC
Agency Address:	2411 N Glassell Street, Orange, CA 92865
Place/Project Type:	Industrial - Scrap and Waste Materials
SIC/NAICS:	5093(+)
Region:	4
Program:	INDSTW
Regulatory Measure Status:	Active
Regulatory Measure Type:	Storm water industrial
Order Number:	2014-0057-DWQ
WDID:	4 19I021118
NPDES Number:	CAS000001
Adoption Date:	Not reported
Effective Date:	09/05/2007
Termination Date:	Not reported

MID CITY IRON/METAL CORP (Continued) **S101584674**

Expiration/Review Date:	Not reported
Design Flow:	Not reported
Major/Minor:	Not reported
Complexity:	Not reported
TTWQ:	Not reported
Enforcement Actions within 5 years:	2
Violations within 5 years:	4
Latitude:	34.02215
Longitude:	-118.23381

CERS:

Name:	SA RECYCLING
Address:	2104 E 15TH ST
City,State,Zip:	LOS ANGELES, CA 90021
Site ID:	401096
CERS ID:	10248877
CERS Description:	Chemical Storage Facilities

Violations:

Site ID:	401096
Site Name:	SA RECYCLING
Violation Date:	11-06-2019
Citation:	2014-0057-DWQ - Industrial General Permit
Violation Description:	SW - Deficient BMP Implementation
Violation Notes:	Insufficient tracking control was observed at the entrances of the site at 2047 E. 15th St.
Violation Division:	Water Boards
Violation Program:	INDSTW
Violation Source:	SMARTS,

Site ID:	401096
Site Name:	SA RECYCLING
Violation Date:	05-10-2022
Citation:	2014-0057-DWQ - Industrial General Permit
Violation Description:	SW - Late Report
Violation Notes:	Failure to collect and analyze stormwater samples and submit ad hoc reports
Violation Division:	Water Boards
Violation Program:	INDSTW
Violation Source:	SMARTS,

Site ID:	401096
Site Name:	SA RECYCLING
Violation Date:	06-26-2022
Citation:	HSC 6.95 25508(a)(3) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(3)
Violation Description:	Failure to complete and electronically submit hazardous material inventory information for all reportable hazardous materials on site at or above reportable quantities.
Violation Notes:	Review, update and resubmit the Hazardous Materials Inventory into CERS to include all hazardous material stored in a capacity equal to or greater than 55 gallons of liquid, 200 cubic feet of compressed gas or 500 pounds in weight of a solid. During the inspection a total of 4 materials were observed in quantities at or above reportable thresholds. Please correct the following; ADD: Refrigerant oil - 275 Gallons ADD: Propane - 57 gallons REMOVE: Diesel fuel REMOVE: Lubricating oil

MID CITY IRON/METAL CORP (Continued) **S101584674**

Violation Division: Los Angeles City Fire Department
Violation Program: HMRRP
Violation Source: CERS,

Site ID: 401096
Site Name: SA RECYCLING
Violation Date: 11-06-2019
Citation: 2014-0057-DWQ - Industrial General Permit
Violation Description: SW - Failure to Obtain Permit
Violation Notes: NOI issue: One WDID# cannot cover 2 facilities that are separated by a public street. One of the facilities need to be separated from this WDID#.
Violation Division: Water Boards
Violation Program: INDSTW
Violation Source: SMARTS,

Site ID: 401096
Site Name: SA RECYCLING
Violation Date: 11-06-2019
Citation: 2014-0057-DWQ - Industrial General Permit
Violation Description: SWPPP
Violation Notes: Potential sources of NSWD are not identified.
Violation Division: Water Boards
Violation Program: INDSTW
Violation Source: SMARTS,

Evaluation:
Eval General Type: Compliance Evaluation Inspection
Eval Date: 05-03-2016
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: On site for routine hazardous materials and business emergency plan inspection. Consent to enter and inspect was given by ERIC DELGADO - MANAGER. Contact information: edelgado@sarecycling.com Observed the facility and inspected hazardous materials storage. Annual employee safety training records were maintained. The facility is responsible for identifying all hazardous materials, to include hazardous wastes, which are above disclosure thresholds. If there is a change in the type or amount of chemicals that are maintained on site, please submit revised documents (electronically) within 30 days of the change.
Eval Division: Los Angeles City Fire Department
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 08-12-2013
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Los Angeles City Fire Department
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 10-19-2021
Violations Found: No
Eval Type: Routine done by local agency

MID CITY IRON/METAL CORP (Continued) **S101584674**

Eval Notes:	MARIBEL VEGA, GENERAL MANAGER
Eval Division:	Los Angeles County Fire Department
Eval Program:	HW
Eval Source:	CERS,
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	12-14-2018
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Inspection Report Consent to enter, inspect and take photographs was given by: Patricia Pineda Documents uploaded to CERS were reviewed and field verified. The following is a list items that need to be corrected: 1. Thank you for providing your 2018 CERS submittal. 2. NO vio0lations found at time of inspection NOTE: The LAMC, Sections (L.A.M.C. SECTIONS 57.105.1.4; 57.120.3; 57.121.2 and 57.121.2.1.) requires business that store, uses or handle hazardous materials in the City of Los Angeles to obtain a Consolidated Permit from the Los Angeles Fire Department CUPA. To receive a Consolidated Permit you must satisfy the following requirement: **** Annual submission of a hazardous materials business plan to CERS by March 1 of every year. Please remember that any change in inventory of greater than 100 percent will require new submission within 30 days of that change. For new CERS users, please follow the procedures below: 1. Log in to to create a user name [Truncated]
Eval Division:	Los Angeles City Fire Department
Eval Program:	HMRRP
Eval Source:	CERS,
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	01-19-2019
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Toghrul Valizada, General Manager
Eval Division:	Los Angeles County Fire Department
Eval Program:	HW
Eval Source:	CERS,
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	03-22-2016
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Eric Delgado, General Manager
Eval Division:	Los Angeles County Fire Department
Eval Program:	HW
Eval Source:	CERS,
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	05-03-2016
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	On site for routine hazardous materials and business emergency plan inspection. Consent to enter and inspect was given by Eric Delgado (Manager). Contact Information: edelgado@sarecycling.com Observed the facility and inspected hazardous materials storage. Annual employee safety training records were not maintained. Facility has also not electronically disclosed the onsite hazardous materials inventory or submitted a business emergency plan in California Environmental

MID CITY IRON/METAL CORP (Continued) **S101584674**

Reporting System (CERS). Please go to https://cersbusiness2.calepa.ca.gov to complete a chemical inventory disclosure and business emergency plan. The facility is responsible for identifying all hazardous materials, to include hazardous wastes, which are above disclosure thresholds. If there is a change in the type or amount of chemicals that are maintained on site, please submit revised documents (electronically) within 30 days of the change.

Eval Division: Los Angeles City Fire Department
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 05-08-2019
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Royce and I on site by accident. Wrong address. Once on site it was determined that site had been inspected earlier this year by Inspector Beltran. After walking their two sites with general manager, Toghrul Valizada it was recommended to add a couple of chemicals and change volume welding gases on the other.

Eval Division: Los Angeles City Fire Department
Eval Program: APSA
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 06-27-2022
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Consent to enter, inspect and take photographs was given by: Maribel Vega The Business Activities, Owner/Operator Identification, Hazardous Materials Inventory, Site Map, Emergency Response/Contingency Plan and Employee Training Plan sections were reviewed in CERS and field verified. Review and correct any violations indicated previously in this report, on or before the COMPLY BY date associated with each violation. NOTE: The LAMC, Sections (L.A.M.C. SECTION 57.105.1.4; 57.120.3; 57.121.2 and 57.121.2.1.) requires businesses that store, use or handle hazardous materials in the City of Los Angeles to obtain a Consolidated Permit from the Los Angeles Fire Department CUPA **** Annual submission of a Hazardous Materials Business Plan into California Environmental Reporting System (CERS) is required between January 1 and March 1 of every year. Per L.A.M.C. 57.121.3.5, failure to submit the required hazardous material business plan (HMBP) information annually into [Truncated]

Eval Division: Los Angeles City Fire Department
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 12-14-2018
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Inspection Report Consent to enter, inspect and take photographs was given by: Patricia Pineda Documents uploaded to CERS were reviewed and field verified. The following is a list items that need to be corrected: 1. NO violations found at time of inspection NOTE: The LAMC, Sections (L.A.M.C. SECTIONS 57.105.1.4; 57.120.3; 57.121.2 and 57.121.2.1.) requires business that store, uses or handle hazardous

MID CITY IRON/METAL CORP (Continued) **S101584674**

materials in the City of Los Angeles to obtain a Consolidated Permit from the Los Angeles Fire Department CUPA. The California Health and Safety Code (CHAPTER 6.67 and 6.11, SECTIONS 25404.1 and 25404.2) requires facilities having greater than 1320 gallons total of any liquid petroleum based product stored in above ground tanks be added to the APSA (Aboveground Petroleum Storage Act) program and comply with the regulations set forth in the CHSC. **** Annual submission of a hazardous materials business plan to CERS by March 1 of every year. Please remember any [Truncated]

Eval Division: Los Angeles City Fire Department
Eval Program: APSA
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 11-06-2019
Violations Found: Yes
Eval Type: Industrial Storm Water Compliance Evaluation
Eval Notes: SWPPP Deficiencies: There are two facilities covered under this WDID number and physically separated by a public street: 2047 (Pictures 15-26) and 2104 (Pictures 1-14) East 15th Street (Image 1). Potential sources of Non-Storm Water Discharge (NSWD) not listed in the SWPPP. Staff explained to Mr. Valizada that they need to obtain separate WDID numbers for each facility since they are physically separated by a public street, E. 15th Street. Mr. Valizada agreed to have their consultant look into the issue. BMP Deficiency: Sediment/dust tracking was observed on the ground at the entrances (located in the center and on the western side) of the 2047 E. 15th Street property (Pictures 17-22). Staff discussed the inspection findings with Mr. Valizada and he stated that he would have the items completed by November 19, 2019. A Notice to Comply was issued and given to Mr. Valizada onsite. (See the attached for more details and photos.)

Eval Division: Water Boards
Eval Program: INDSTW
Eval Source: SMARTS,

Enforcement Action:
Site ID: 401096
Site Name: SA RECYCLING
Site Address: 2104 E 15TH ST
Site City: LOS ANGELES
Site Zip: 90021
Enf Action Date: 05-10-2022
Enf Action Type: Notice of Violation
Enf Action Description: Notice of Violation
Enf Action Notes: Failure to collect and analyze stormwater samples and submit ad hoc reports
Enf Action Division: Water Boards
Enf Action Program: INDSTW
Enf Action Source: SMARTS,

Site ID: 401096
Site Name: SA RECYCLING
Site Address: 2104 E 15TH ST
Site City: LOS ANGELES
Site Zip: 90021
Enf Action Date: 11-06-2019
Enf Action Type: Notice to Comply

MID CITY IRON/METAL CORP (Continued) **S101584674**

Enf Action Description:	Notice to Comply
Enf Action Notes:	Ordered to correct the NOI, SWPPP, and BMP violations.
Enf Action Division:	Water Boards
Enf Action Program:	INDSTW
Enf Action Source:	SMARTS,

Coordinates:

Site ID:	401096
Facility Name:	SA RECYCLING
Env Int Type Code:	HMBP
Program ID:	10248877
Coord Name:	Not reported
Ref Point Type Desc:	Center of a facility or station.,
Latitude:	34.021750
Longitude:	-118.234080

Affiliation:

Affiliation Type Desc:	Owner/Operator
Entity Name:	SA Recycling LLC
Entity Title:	Operator
Affiliation Address:	2411 N Glassell Street
Affiliation City:	Orange
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92865
Affiliation Phone:	.

Affiliation Type Desc:	Environmental Contact
Entity Name:	Jose Martinez
Entity Title:	Not reported
Affiliation Address:	2411 N Glassell
Affiliation City:	Orange
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92865
Affiliation Phone:	.

Affiliation Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	Not reported
Affiliation Address:	2411 N Glassell
Affiliation City:	Orange
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92865
Affiliation Phone:	.

Affiliation Type Desc:	Identification Signer
Entity Name:	Toghrul Valizada
Entity Title:	General Manager
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	.

MID CITY IRON/METAL CORP (Continued) **S101584674**

Affiliation Type Desc:	Legal Owner
Entity Name:	SA Recycling LLC
Entity Title:	Not reported
Affiliation Address:	2411 N Glassell
Affiliation City:	Orange
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	92865
Affiliation Phone:	(714) 632-2000,

Affiliation Type Desc:	Parent Corporation
Entity Name:	SA Recycling
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	.

Affiliation Type Desc:	CUPA District
Entity Name:	Los Angeles City Fire Department
Entity Title:	Not reported
Affiliation Address:	200 North Main Street, Room 1780
Affiliation City:	Los Angeles
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	90012
Affiliation Phone:	(213) 978-3680,

Affiliation Type Desc:	Operator
Entity Name:	SA Recycling (2104 E. 15th)
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	(714) 632-2000,

Affiliation Type Desc:	Document Preparer
Entity Name:	JOSE MARTINEZ
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	.

Name:	SA RECYCLING
Address:	2104 E 15TH ST
City,State,Zip:	LOS ANGELES, CA 90021
Site ID:	401096
CERS ID:	656332
CERS Description:	Industrial Facility Storm Water

MID CITY IRON/METAL CORP (Continued) **S101584674**

Violations:

Site ID:	401096
Site Name:	SA RECYCLING
Violation Date:	11-06-2019
Citation:	2014-0057-DWQ - Industrial General Permit
Violation Description:	SW - Deficient BMP Implementation
Violation Notes:	Insufficient tracking control was observed at the entrances of the site at 2047 E. 15th St.
Violation Division:	Water Boards
Violation Program:	INDSTW
Violation Source:	SMARTS,

Site ID:	401096
Site Name:	SA RECYCLING
Violation Date:	05-10-2022
Citation:	2014-0057-DWQ - Industrial General Permit
Violation Description:	SW - Late Report
Violation Notes:	Failure to collect and analyze stormwater samples and submit ad hoc reports
Violation Division:	Water Boards
Violation Program:	INDSTW
Violation Source:	SMARTS,

Site ID:	401096
Site Name:	SA RECYCLING
Violation Date:	06-26-2022
Citation:	HSC 6.95 25508(a)(3) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(3)
Violation Description:	Failure to complete and electronically submit hazardous material inventory information for all reportable hazardous materials on site at or above reportable quantities.
Violation Notes:	Review, update and resubmit the Hazardous Materials Inventory into CERS to include all hazardous material stored in a capacity equal to or greater than 55 gallons of liquid, 200 cubic feet of compressed gas or 500 pounds in weight of a solid. During the inspection a total of 4 materials were observed in quantities at or above reportable thresholds. Please correct the following; ADD: Refrigerant oil - 275 Gallons ADD: Propane - 57 gallons REMOVE: Diesel fuel REMOVE: Lubricating oil
Violation Division:	Los Angeles City Fire Department
Violation Program:	HMRRP
Violation Source:	CERS,

Site ID:	401096
Site Name:	SA RECYCLING
Violation Date:	11-06-2019
Citation:	2014-0057-DWQ - Industrial General Permit
Violation Description:	SW - Failure to Obtain Permit
Violation Notes:	NOI issue: One WDID# cannot cover 2 facilities that are separated by a public street. One of the facilities need to be separated from this WDID#.
Violation Division:	Water Boards
Violation Program:	INDSTW
Violation Source:	SMARTS,

Site ID:	401096
Site Name:	SA RECYCLING

MID CITY IRON/METAL CORP (Continued) **S101584674**

Violation Date: 11-06-2019
Citation: 2014-0057-DWQ - Industrial General Permit
Violation Description: SWPPP
Violation Notes: Potential sources of NSWD are not identified.
Violation Division: Water Boards
Violation Program: INDSTW
Violation Source: SMARTS,

Evaluation:
Eval General Type: Compliance Evaluation Inspection
Eval Date: 05-03-2016
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: On site for routine hazardous materials and business emergency plan inspection. Consent to enter and inspect was given by ERIC DELGADO - MANAGER. Contact Information: edelgado@sarecycling.com Observed the facility and inspected hazardous materials storage. Annual employee safety training records were maintained. The facility is responsible for identifying all hazardous materials, to include hazardous wastes, which are above disclosure thresholds. If there is a change in the type or amount of chemicals that are maintained on site, please submit revised documents (electronically) within 30 days of the change.
Eval Division: Los Angeles City Fire Department
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 08-12-2013
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Los Angeles City Fire Department
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 10-19-2021
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: MARIBEL VEGA, GENERAL MANAGER
Eval Division: Los Angeles County Fire Department
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 12-14-2018
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Inspection Report Consent to enter, inspect and take photographs was given by: Patricia Pineda Documents uploaded to CERS were reviewed and field verified. The following is a list items that need to be corrected: 1. Thank you for providing your 2018 CERS submittal. 2. NO vio0lations found at time of inspection NOTE: The LAMC, Sections (L.A.M.C. SECTIONS 57.105.1.4; 57.120.3; 57.121.2 and 57.121.2.1.) requires business that store, uses or handle hazardous materials in the City of Los Angeles to obtain a Consolidated Permit from the Los Angeles Fire Department CUPA. To receive a Consolidated Permit you

MID CITY IRON/METAL CORP (Continued) **S101584674**

must satisfy the following requirement: **** Annual submission of a hazardous materials business plan to CERS by March 1 of every year. Please remember that any change in inventory of greater than 100 percent will require new submission within 30 days of that change. For new CERS users, please follow the procedures below: 1. Log in to to create a user name [Truncated]

Eval Division: Los Angeles City Fire Department
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-19-2019
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Toghrul Valizada, General Manager
Eval Division: Los Angeles County Fire Department
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 03-22-2016
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Eric Delgado, General Manager
Eval Division: Los Angeles County Fire Department
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 05-03-2016
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: On site for routine hazardous materials and business emergency plan inspection. Consent to enter and inspect was given by Eric Delgado (Manager). Contact Information: edelgado@sarecycling.com Observed the facility and inspected hazardous materials storage. Annual employee safety training records were not maintained. Facility has also not electronically disclosed the onsite hazardous materials inventory or submitted a business emergency plan in California Environmental Reporting System (CERS). Please go to https://cersbusiness2.calepa.ca.gov to complete a chemical inventory disclosure and business emergency plan. The facility is responsible for identifying all hazardous materials, to include hazardous wastes, which are above disclosure thresholds. If there is a change in the type or amount of chemicals that are maintained on site, please submit revised documents (electronically) within 30 days of the change.
Eval Division: Los Angeles City Fire Department
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 05-08-2019
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Royce and I on site by accident. Wrong address. Once on site it was determined that site had been inspected earlier this year by Inspector Beltran. After walking their two sites with general manager, Toghrul

MID CITY IRON/METAL CORP (Continued) **S101584674**

Valizada it was recommended to add a couple of chemicals and change volume welding gases on the other.

Eval Division: Los Angeles City Fire Department
Eval Program: APSA
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 06-27-2022
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Consent to enter, inspect and take photographs was given by: Maribel Vega The Business Activities, Owner/Operator Identification, Hazardous Materials Inventory, Site Map, Emergency Response/Contingency Plan and Employee Training Plan sections were reviewed in CERS and field verified. Review and correct any violations indicated previously in this report, on or before the COMPLY BY date associated with each violation. NOTE: The LAMC, Sections (L.A.M.C. SECTION 57.105.1.4; 57.120.3; 57.121.2 and 57.121.2.1.) requires businesses that store, use or handle hazardous materials in the City of Los Angeles to obtain a Consolidated Permit from the Los Angeles Fire Department CUPA **** Annual submission of a Hazardous Materials Business Plan into California Environmental Reporting System (CERS) is required between January 1 and March 1 of every year. Per L.A.M.C. 57.121.3.5, failure to submit the required hazardous material business plan (HMBP) information annually into [Truncated]

Eval Division: Los Angeles City Fire Department
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 12-14-2018
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Inspection Report Consent to enter, inspect and take photographs was given by: Patricia Pineda Documents uploaded to CERS were reviewed and field verified. The following is a list items that need to be corrected: 1. NO violations found at time of inspection NOTE: The LAMC, Sections (L.A.M.C. SECTIONS 57.105.1.4; 57.120.3; 57.121.2 and 57.121.2.1.) requires business that store, uses or handle hazardous materials in the City of Los Angeles to obtain a Consolidated Permit from the Los Angeles Fire Department CUPA. The California Health and Safety Code (CHAPTER 6.67 and 6.11, SECTIONS 25404.1 and 25404.2) requires facilities having greater than 1320 gallons total of any liquid petroleum based product stored in above ground tanks be added to the APSA (Aboveground Petroleum Storage Act) program and comply with the regulations set forth in the CHSC. **** Annual submission of a hazardous materials business plan to CERS by March 1 of every year. Please remember any [Truncated]

Eval Division: Los Angeles City Fire Department
Eval Program: APSA
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 11-06-2019
Violations Found: Yes
Eval Type: Industrial Storm Water Compliance Evaluation
Eval Notes: SWPPP Deficiencies: There are two facilities covered under this WDID

MID CITY IRON/METAL CORP (Continued) **S101584674**

number and physically separated by a public street: 2047 (Pictures 15-26) and 2104 (Pictures 1-14) East 15th Street (Image 1). Potential sources of Non-Storm Water Discharge (NSWD) not listed in the SWPPP. Staff explained to Mr. Valizada that they need to obtain separate WDID numbers for each facility since they are physically separated by a public street, E. 15th Street. Mr. Valizada agreed to have their consultant look into the issue. BMP Deficiency: Sediment/dust tracking was observed on the ground at the entrances (located in the center and on the western side) of the 2047 E. 15th Street property (Pictures 17-22). Staff discussed the inspection findings with Mr. Valizada and he stated that he would have the items completed by November 19, 2019. A Notice to Comply was issued and given to Mr. Valizada onsite. (See the attached for more details and photos.)

Eval Division: Water Boards
Eval Program: INDSTW
Eval Source: SMARTS,

Enforcement Action:
Site ID: 401096
Site Name: SA RECYCLING
Site Address: 2104 E 15TH ST
Site City: LOS ANGELES
Site Zip: 90021
Enf Action Date: 05-10-2022
Enf Action Type: Notice of Violation
Enf Action Description: Notice of Violation
Enf Action Notes: Failure to collect and analyze stormwater samples and submit ad hoc reports
Enf Action Division: Water Boards
Enf Action Program: INDSTW
Enf Action Source: SMARTS,

Site ID: 401096
Site Name: SA RECYCLING
Site Address: 2104 E 15TH ST
Site City: LOS ANGELES
Site Zip: 90021
Enf Action Date: 11-06-2019
Enf Action Type: Notice to Comply
Enf Action Description: Notice to Comply
Enf Action Notes: Ordered to correct the NOI, SWPPP, and BMP violations.
Enf Action Division: Water Boards
Enf Action Program: INDSTW
Enf Action Source: SMARTS,

Coordinates:
Site ID: 401096
Facility Name: SA RECYCLING
Env Int Type Code: HMBP
Program ID: 10248877
Coord Name: Not reported
Ref Point Type Desc: Center of a facility or station.,
Latitude: 34.021750
Longitude: -118.234080

MID CITY IRON/METAL CORP (Continued) **S101584674**

Affiliation:

Affiliation Type Desc:	Owner/Operator
Entity Name:	SA Recycling LLC
Entity Title:	Operator
Affiliation Address:	2411 N Glassell Street
Affiliation City:	Orange
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92865
Affiliation Phone:	.
Affiliation Type Desc:	Environmental Contact
Entity Name:	Jose Martinez
Entity Title:	Not reported
Affiliation Address:	2411 N Glassell
Affiliation City:	Orange
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92865
Affiliation Phone:	.
Affiliation Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	Not reported
Affiliation Address:	2411 N Glassell
Affiliation City:	Orange
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92865
Affiliation Phone:	.
Affiliation Type Desc:	Identification Signer
Entity Name:	Toghrul Valizada
Entity Title:	General Manager
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	.
Affiliation Type Desc:	Legal Owner
Entity Name:	SA Recycling LLC
Entity Title:	Not reported
Affiliation Address:	2411 N Glassell
Affiliation City:	Orange
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	92865
Affiliation Phone:	(714) 632-2000,
Affiliation Type Desc:	Parent Corporation
Entity Name:	SA Recycling
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported

MID CITY IRON/METAL CORP (Continued) **S101584674**

Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	.
Affiliation Type Desc:	CUPA District
Entity Name:	Los Angeles City Fire Department
Entity Title:	Not reported
Affiliation Address:	200 North Main Street, Room 1780
Affiliation City:	Los Angeles
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	90012
Affiliation Phone:	(213) 978-3680,
Affiliation Type Desc:	Operator
Entity Name:	SA Recycling (2104 E. 15th)
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	(714) 632-2000,
Affiliation Type Desc:	Document Preparer
Entity Name:	JOSE MARTINEZ
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	.

292
WSW
1/2-1
0.752 mi.
3970 ft.

Relative:
Lower

Actual:
232 ft.

ROYAL PLATING CO
787 E 15TH ST
LOS ANGELES, CA 90021

RCRA-SQG **1000148255**
ENVIROSTOR **CAD008252173**
UST
VCP
SWEEPS UST
HIST UST
CA FID UST
DEED
FINDS
ECHO
EMI
HAZNET
HAZMAT
HWTS

RCRA Listings:

Date Form Received by Agency:		19960901
Handler Name:	ROYAL PLATING CO	
Handler Address:		787 E 15TH ST
Handler City,State,Zip:		LOS ANGELES, CA 90021
EPA ID:		CAD008252173
Contact Name:		Not reported
Contact Address:		Not reported

ROYAL PLATING CO (Continued) **1000148255**

Contact City,State,Zip:		Not reported
Contact Telephone:		Not reported
Contact Fax:		Not reported
Contact Email:		Not reported
Contact Title:		Not reported
EPA Region:		09
Land Type:		Not reported
Federal Waste Generator Description:		Small Quantity Generator
Non-Notifier:		Not reported
Biennial Report Cycle:		Not reported
Accessibility:		Not reported
Active Site Indicator:		Handler Activities
State District Owner:		CA
State District:		4R
Mailing Address:		787 E 15TH ST
Mailing City,State,Zip:		LOS ANGELES, CA 90021
Owner Name:	Not reported	
Owner Type:		Not reported
Operator Name:	NOT REQUIRED	
Operator Type:		Private
Short-Term Generator Activity:		No
Importer Activity:		No
Mixed Waste Generator:		No
Transporter Activity:		No
Transfer Facility Activity:		No
Recycler Activity with Storage:		No
Small Quantity On-Site Burner Exemption:		No
Smelting Melting and Refining Furnace Exemption:		No
Underground Injection Control:		No
Off-Site Waste Receipt:		No
Universal Waste Indicator:		No
Universal Waste Destination Facility:		No
Federal Universal Waste:		No
Active Site Fed-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site Converter Treatment storage and Disposal Facility:		Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site State-Reg Handler:		---
Federal Facility Indicator:		Not reported
Hazardous Secondary Material Indicator:		NN
Sub-Part K Indicator:		Not reported
Commercial TSD Indicator:		No
Treatment Storage and Disposal Type:		Not reported
2018 GPRA Permit Baseline:		Not on the Baseline
2018 GPRA Renewals Baseline:		Not on the Baseline
Permit Renewals Workload Universe:		Not reported
Permit Workload Universe:		Not reported
Permit Progress Universe:		Not reported
Post-Closure Workload Universe:		Not reported
Closure Workload Universe:		Not reported
202 GPRA Corrective Action Baseline:		No
Corrective Action Workload Universe:		No
Subject to Corrective Action Universe:		No
Non-TSDFs Where RCRA CA has Been Imposed Universe:		No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:		No
TSDFs Only Subject to CA under Discretionary Auth Universe:		No
Corrective Action Priority Ranking:		No NCAPS ranking
Environmental Control Indicator:		No

ROYAL PLATING CO (Continued) **1000148255**

Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required: Not reported	
Handler Date of Last Change:	20020627
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	Not reported
Manifest Broker:	Not reported
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Operator
Owner/Operator Name: NOT REQUIRED	
Legal Status:	Private
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	NOT REQUIRED
Owner/Operator City,State,Zip:	NOT REQUIRED, ME 99999
Owner/Operator Telephone:	415-555-1212
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Owner
Owner/Operator Name: GOLNICK STANLEY	
Legal Status:	Private
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	NOT REQUIRED
Owner/Operator City,State,Zip:	NOT REQUIRED, ME 99999
Owner/Operator Telephone:	415-555-1212
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	19960901
Handler Name: ROYAL PLATING CO	
Federal Waste Generator Description:	Small Quantity Generator
State District Owner:	CA
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes

ROYAL PLATING CO (Continued) **1000148255**

Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 19800818
Handler Name: ROYAL PLATING CO
Federal Waste Generator Description: Large Quantity Generator
State District Owner: CA
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Code: 332813
NAICS Description: ELECTROPLATING, PLATING, POLISHING, ANODIZING, AND COLORING

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

ENVIROSTOR:
Name: ROYAL PLATING
Address: 787 EAST 15TH STREET
City,State,Zip: LOS ANGELES, CA 90021
Facility ID: 19340770
Status: Certified O&M - Land Use Restrictions Only
Status Date: 08/23/2013
Site Code: 300638
Site Type: Voluntary Cleanup
Site Type Detailed: Voluntary Agreement
Acres: 0.63
NPL: NO
Regulatory Agencies: DTSC
Lead Agency: DTSC
Program Manager: Linda Ocampo
Supervisor: Emad Yemut
Division Branch: Southern California Schools & Brownfields Outreach
Assembly: 53
Senate: 30
Special Program: Voluntary Agreement - Standard Voluntary Agreement
Restricted Use: YES
Site Mgmt Req: DAY, HOS, LUC, NDEV, NSUB, SCH, RES
Funding: Responsible Party
Latitude: 34.02945
Longitude: -118.2526
APN: 5132-026-038, 5132026038
Past Use: METAL PLATING - CHROME, METAL PLATING - OTHER
Potential COC: Benzene Total Chromium (1:6 ratio Cr VI:Cr III Lead

ROYAL PLATING CO (Continued) **1000148255**

	Tetrachloroethylene (PCE Cadmium and compounds Cyanide (free Ethylbenzene Nickel Toluene 1,2,4-Trimethylbenzene Xylenes
Confirmed COC:	Toluene 1,2,4-Trimethylbenzene Tetrachloroethylene (PCE Cadmium and compounds Cyanide (free Ethylbenzene Nickel Benzene Total Chromium (1:6 ratio Cr VI:Cr III Lead Xylenes
Potential Description:	SOIL
Alias Name:	ALAN BAILEY
Alias Type:	Alternate Name
Alias Name:	ASSOCIATED PLATING
Alias Type:	Alternate Name
Alias Name:	EVERGREEN INVESTMENTS
Alias Type:	Alternate Name
Alias Name:	ROYAL PLATING
Alias Type:	Alternate Name
Alias Name:	5132-026-038
Alias Type:	APN
Alias Name:	5132026038
Alias Type:	APN
Alias Name:	110033607103
Alias Type:	EPA (FRS #)
Alias Name:	300638
Alias Type:	Project Code (Site Code)
Alias Name:	19340770
Alias Type:	Envirostor ID Number

Completed Info:

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Land Use Restriction - Site Inspection/Visit
Completed Date:	10/07/2008
Comments:	Annual Deed Restriction Inspection completed.
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Annual Oversight Cost Estimate
Completed Date:	10/26/2021
Comments:	Transmitted via email
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Land Use Restriction
Completed Date:	03/20/2001
Comments:	Deed Restriction entered.
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Standard Voluntary Agreement
Completed Date:	01/02/1997
Comments:	DTSC and Alan Bailey, the property owner executed a Voluntary Cleanup Agreement for a Preliminary Endangerment Assessment for the site property.
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Land Use Restriction - Site Inspection/Visit
Completed Date:	07/18/2006
Comments:	Not reported

ROYAL PLATING CO (Continued) **1000148255**

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Land Use Restriction - Site Inspection/Visit
Completed Date: 11/28/2019
Comments: LUR - Annual Site Inspection 2019 Completed & Satisfactory

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 10/25/2019
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Land Use Restriction - Site Inspection/Visit
Completed Date: 06/18/2021
Comments: Self inspection of site. Per reporter, no site changes have occurred within the last year. Based on online research, commercial/industrial activities are currently conducted at site.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Land Use Restriction - Site Inspection/Visit
Completed Date: 10/18/2012
Comments: Inspection Checklist sent to DTSC by owner. No violations of the LUR exist. Follow up inspection to be completed next fiscal year (2013-2014) along with 5 year Review.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Land Use Restriction - Site Inspection/Visit
Completed Date: 05/04/2016
Comments: Annual inspection was conducted.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Land Use Restriction - Site Inspection/Visit
Completed Date: 12/26/2017
Comments: Annual Inspection Report submitted by RP.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Land Use Restriction - Site Inspection/Visit
Completed Date: 07/03/2012
Comments: Inspection completed for the 2011/2012 fiscal year. No violation of LUC was observed.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Report
Completed Date: 11/03/1997
Comments: On November 3, 1997, DTSC approved a Preliminary Endangerment Assessment Equivalent. DTSC determined that

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Land Use Restriction - Site Inspection/Visit

ROYAL PLATING CO (Continued) **1000148255**

Completed Date:	10/12/2009
Comments:	LUC inspection completed.
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Land Use Restriction - Site Inspection/Visit
Completed Date:	05/23/2011
Comments:	LUC inspection for FY 2010-2011 completed and site is in compliance with LUC.
Future Area Name:	Not reported
Future Sub Area Name:	Not reported
Future Document Type:	Not reported
Future Due Date:	Not reported
Schedule Area Name:	Not reported
Schedule Sub Area Name:	Not reported
Schedule Document Type:	Not reported
Schedule Due Date:	Not reported
Schedule Revised Date:	Not reported

UST:

Name:	ROYAL PLATING WORKS
Address:	787 E 15TH ST
City,State,Zip:	LOS ANGELES, CA 90021
Facility ID:	24452
Permitting Agency:	LOS ANGELES, CITY OF
CERSID:	Not reported
Latitude:	34.030808
Longitude:	-118.251317
Owner type:	Not reported
Facility type:	Not reported
Num of inuse ust:	Not reported
Num of closed ust:	Not reported
Num of oos ust:	Not reported
Epa region:	Not reported
Tribal lands:	Not reported
Tank owner name:	Not reported
Tank owner mailing address:	Not reported
Tank owner mailing city:	Not reported
Tank owner mailing zip:	Not reported
Tank owner mailing state:	Not reported
Tank operator name:	Not reported
Tank operator mailing address:	Not reported
Tank operator mailing city:	Not reported
Tank operator mailing zip:	Not reported
Tank operator mailing state:	Not reported
Tankidnumber:	Not reported
Tank status:	Not reported
Tank configuration:	Not reported
Tank closure date:	Not reported
Tank installation date:	Not reported
Tank num of compartments:	Not reported
Tank contents:	Not reported
Tank capacity gallons:	Not reported
Tank type:	Not reported
Tank pc construction:	Not reported
Tank pwpiping construction:	Not reported

ROYAL PLATING CO (Continued) **1000148255**

Tank piping type:	Not reported
Tank piping construction:	Not reported
Tank sacrificial anode:	Not reported
Tank cp impressed current:	Not reported
Tank cp shutoff:	Not reported
Tank alarms:	Not reported
Tank ball float:	Not reported
Tank spill bucket:	Not reported

LOS ANGELES UST:

Name:	ROYAL PLATING WORKS INC
Address:	787 E 15TH ST
City,State,Zip:	LOS ANGELES, CA 90021
Facility ID:	FA0000120
Last Run Date:	11/01/2022
Status:	INACTIVE

VCP:

Name:	ROYAL PLATING
Address:	787 EAST 15TH STREET
City,State,Zip:	LOS ANGELES, CA 90021
Facility ID:	19340770
Site Type:	Voluntary Cleanup
Site Type Detail:	Voluntary Agreement
Site Mgmt. Req.:	DAY, HOS, LUC, NDEV, NSUB, SCH, RES
Acres:	0.63
National Priorities List:	NO
Cleanup Oversight Agencies:	DTSC
Lead Agency:	DTSC
Lead Agency Description:	* DTSC
Project Manager:	Linda Ocampo
Supervisor:	Emad Yemut
Division Branch:	Southern California Schools & Brownfields Outreach
Site Code:	300638
Assembly:	53
Senate:	30
Special Programs Code:	Voluntary Agreement - Standard Voluntary Agreement
Status:	Certified O&M - Land Use Restrictions Only
Status Date:	08/23/2013
Restricted Use:	YES
Funding:	Responsible Party
Lat/Long:	34.02945 / -118.2526
APN:	5132-026-038, 5132026038
Past Use:	METAL PLATING - CHROME, METAL PLATING - OTHER
Potential COC:	30003, 30005, 30013, 30022, 30108, 30160, 30272, 30407, 30550, 30577, 30593
Confirmed COC:	30550,30577,30022,30108,30160,30272,30407,30003,30005,30013,30593
Potential Description:	SOIL
Alias Name:	ALAN BAILEY
Alias Type:	Alternate Name
Alias Name:	ASSOCIATED PLATING
Alias Type:	Alternate Name
Alias Name:	EVERGREEN INVESTMENTS
Alias Type:	Alternate Name
Alias Name:	ROYAL PLATING
Alias Type:	Alternate Name

ROYAL PLATING CO (Continued) **1000148255**

Alias Name: 5132-026-038
Alias Type: APN
Alias Name: 5132026038
Alias Type: APN
Alias Name: 110033607103
Alias Type: EPA (FRS #)
Alias Name: 300638
Alias Type: Project Code (Site Code)
Alias Name: 19340770
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Land Use Restriction - Site Inspection/Visit
Completed Date: 10/07/2008
Comments: Annual Deed Restriction Inspection completed.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 10/26/2021
Comments: Transmitted via email

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Land Use Restriction
Completed Date: 03/20/2001
Comments: Deed Restriction entered.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Standard Voluntary Agreement
Completed Date: 01/02/1997
Comments: DTSC and Alan Bailey, the property owner executed a Voluntary Cleanup Agreement for a Preliminary Endangerment Assessment for the site property.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Land Use Restriction - Site Inspection/Visit
Completed Date: 07/18/2006
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Land Use Restriction - Site Inspection/Visit
Completed Date: 11/28/2019
Comments: LUR - Annual Site Inspection 2019 Completed & Satisfactory

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 10/25/2019
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported

ROYAL PLATING CO (Continued) **1000148255**

Completed Document Type:	Land Use Restriction - Site Inspection/Visit
Completed Date:	06/18/2021
Comments:	Self inspection of site. Per reporter, no site changes have occurred within the last year. Based on online research, commercial/industrial activities are currently conducted at site.
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Land Use Restriction - Site Inspection/Visit
Completed Date:	10/18/2012
Comments:	Inspection Checklist sent to DTSC by owner. No violations of the LUR exist. Follow up inspection to be completed next fiscal year (2013-2014) along with 5 year Review.
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Land Use Restriction - Site Inspection/Visit
Completed Date:	05/04/2016
Comments:	Annual inspection was conducted.
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Land Use Restriction - Site Inspection/Visit
Completed Date:	12/26/2017
Comments:	Annual Inspection Report submitted by RP.
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Land Use Restriction - Site Inspection/Visit
Completed Date:	07/03/2012
Comments:	Inspection completed for the 2011/2012 fiscal year. No violation of LUC was observed.
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Preliminary Endangerment Assessment Report
Completed Date:	11/03/1997
Comments:	On November 3, 1997, DTSC approved a Preliminary Endangerment Assessment Equivalent. DTSC determined that
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Land Use Restriction - Site Inspection/Visit
Completed Date:	10/12/2009
Comments:	LUC inspection completed.
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Land Use Restriction - Site Inspection/Visit
Completed Date:	05/23/2011
Comments:	LUC inspection for FY 2010-2011 completed and site is in compliance with LUC.
Future Area Name:	Not reported
Future Sub Area Name:	Not reported
Future Document Type:	Not reported
Future Due Date:	Not reported

ROYAL PLATING CO (Continued) **1000148255**

Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

SWEEPS UST:
Name: ROYAL PLATING WORKS
Address: 787 E 15TH ST
City: LOS ANGELES
Status: Active
Comp Number: 2183
Number: 2
Board Of Equalization: 44-012166
Referral Date: 05-04-93
Action Date: 05-04-93
Created Date: 02-29-88
Owner Tank Id: Not reported
SWRCB Tank Id: 19-050-002183-000001
Tank Status: A
Capacity: 1500
Active Date: 04-20-88
Tank Use: CHEMICAL
STG: P
Content: UNKNOWN
Number Of Tanks: 2

Name: ROYAL PLATING WORKS
Address: 787 E 15TH ST
City: LOS ANGELES
Status: Active
Comp Number: 2183
Number: 2
Board Of Equalization: 44-012166
Referral Date: 05-04-93
Action Date: 05-04-93
Created Date: 02-29-88
Owner Tank Id: Not reported
SWRCB Tank Id: 19-050-002183-000002
Tank Status: A
Capacity: Not reported
Active Date: 04-20-88
Tank Use: CHEMICAL
STG: P
Content: UNKNOWN
Number Of Tanks: Not reported

HIST UST:
Name: ROYAL PLATING WORKS
Address: 787 E 15TH ST
City,State,Zip: LOS ANGELES, CA 90021
File Number: 000280b6
URL: https://documents.geotracker.waterboards.ca.gov/ustpdfs/pdf/000280b6.pdf
Region: STATE
Facility ID: 00000041151
Facility Type: Other

ROYAL PLATING CO (Continued) **1000148255**

Other Type:	PLATING WORKS
Contact Name:	TIEMAN MICHAEL
Telephone:	0000000000
Owner Name:	ROYAL PLATING WORKS
Owner Address:	787 E. 15TH ST.
Owner City,St,Zip:	LOS ANGELES, CA 90021
Total Tanks:	0002
Tank Num:	001
Container Num:	1
Year Installed:	1981
Tank Capacity:	00001500
Tank Used for:	WASTE
Type of Fuel:	Not reported
Container Construction Thickness:	1/4
Leak Detection:	Not reported
Tank Num:	002
Container Num:	2
Year Installed:	Not reported
Tank Capacity:	00000000
Tank Used for:	WASTE
Type of Fuel:	Not reported
Container Construction Thickness:	Not reported
Leak Detection:	None

Click here for Geo Tracker PDF:

CA FID UST:

Facility ID:	19028175
Regulated By:	UTNKA
Regulated ID:	00041151
Cortese Code:	Not reported
SIC Code:	Not reported
Facility Phone:	2137495006
Mail To:	Not reported
Mailing Address:	787 E 15TH ST
Mailing Address 2:	Not reported
Mailing City,St,Zip:	LOS ANGELES 900210000
Contact:	Not reported
Contact Phone:	Not reported
DUNs Number:	Not reported
NPDES Number:	Not reported
EPA ID:	Not reported
Comments:	Not reported
Status:	Active

DEED:

Name:	ROYAL PLATING
Address:	787 EAST 15TH STREET
City,State,Zip:	LOS ANGELES, CA 90021
Envirostor ID:	19340770
Area:	PROJECT WIDE
Sub Area:	Not reported
Site Type:	VOLUNTARY CLEANUP
Status:	CERTIFIED O&M - LAND USE RESTRICTIONS ONLY

ROYAL PLATING CO (Continued) **1000148255**

Agency: Not reported
Covenant Uploaded: Not reported
Deed Date(s): Not reported
File Name: Envirostor Land Use Restrictions

FINDS:
Registry ID: 110002630840

Click Here for FRS Facility Detail Report:

Environmental Interest/Information System:
California Department of Toxic Substances Control EnviroStor System (DTSC-EnviroStor) is an online search and Geographic Information System (GIS) tool for identifying sites that have known contamination or sites for which there may be reasons to investigate further. The EnviroStor database includes the following site types: Federal Superfund sites (National Priorities List (NPL)); State Response, including Military Facilities and State Superfund; Voluntary Cleanup; and School sites.
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:

Envid:	1000148255
Registry ID:	110002630840
DFR URL:	http://echo.epa.gov/detailed-facility-report?fid=110002630840
Name:	ROYAL PLATING CO
Address:	787 E 15TH ST
City,State,Zip:	LOS ANGELES, CA 90021

EMI:

Name:	ROYAL PLATING WKS INC
Address:	787 E 15TH ST
City,State,Zip:	LOS ANGELES, CA 90021
Year:	1987
County Code:	19
Air Basin:	SC
Facility ID:	16475
Air District Name:	SC
SIC Code:	3471
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	7
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

ROYAL PLATING CO (Continued) **1000148255**

Name:	ROYAL PLATING WORKS
Address:	787 E 15TH ST
City,State,Zip:	LOS ANGELES, CA 90021
Year:	1990
County Code:	19
Air Basin:	SC
Facility ID:	16475
Air District Name:	SC
SIC Code:	3471
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	12
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

HAZNET:

Name:	ROYAL PLATING CO
Address:	787 E 15TH ST
Address 2:	Not reported
City,State,Zip:	LOS ANGELES, CA 900210000
Contact:	INACTIVE PER UNDELIVE SURVEY
Telephone:	--
Mailing Name:	Not reported
Mailing Address:	787 E 15TH ST
Year:	1996
Gepaid:	CAD008252173
TSD EPA ID:	CAD089446710
CA Waste Code:	211 - Halogenated solvents (chloroforms, methyl chloride, perchloroethylene, etc)
Disposal Method:	-
Tons:	0.2293
Year:	1996
Gepaid:	CAD008252173
TSD EPA ID:	CAD089446710
CA Waste Code:	352 - Other organic solids
Disposal Method:	-
Tons:	0.25
Year:	1983
Gepaid:	CAD008252173
TSD EPA ID:	CAD067786749
CA Waste Code:	133 - Aqueous solution with total organic residues 10 percent or more
Disposal Method:	D80 - Disposal, Land Fill
Tons:	17.514

Additional Info:

Year:	1996
Gen EPA ID:	CAD008252173

ROYAL PLATING CO (Continued) **1000148255**

Shipment Date:	19960917
Creation Date:	6/11/1997 0:00:00
Receipt Date:	Not reported
Manifest ID:	96586657
Trans EPA ID:	CAT982518433
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD089446710
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	- Not reported
Quantity Tons:	0.25
Waste Quantity:	500
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	19960917
Creation Date:	6/11/1997 0:00:00
Receipt Date:	Not reported
Manifest ID:	96586657
Trans EPA ID:	CAT982518433
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD089446710
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	211 - Halogenated solvents (chloroform, methyl chloride, perchloroethylene, etc.
RCRA Code:	F001
Meth Code:	- Not reported
Quantity Tons:	0.2293
Waste Quantity:	55
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

LOS ANGELES HM:

Name:	ROYAL PLATING WORKS INC
Address:	787 E 15TH ST
City,State,Zip:	LOS ANGELES, CA 90021
Facility ID:	FA0000120
Last Run Date:	11/01/2022
Status:	INACTIVE

ROYAL PLATING CO (Continued) **1000148255**

HWTS:

Name:	ROYAL PLATING CO
Address:	787 E 15TH ST
Address 2:	Not reported
City,State,Zip:	LOS ANGELES, CA 90021
EPA ID:	CAD008252173
Inactive Date:	01/01/1995
Create Date:	07/23/1982
Last Act Date:	Not reported
Mailing Name:	Not reported
Mailing Address:	787 E 15TH ST
Mailing Address 2:	Not reported
Mailing City,State,Zip:	LOS ANGELES, CA 900210000
Owner Name:	GOLNICK STANLEY
Owner Address:	Not reported
Owner Address 2:	Not reported
Owner City,State,Zip:	Not reported
Contact Name:	INACTIVE PER UNDELIVE SURVEY
Contact Address:	12-15-94 LH
Contact Address 2:	Not reported
City,State,Zip:	Not reported
Facility Status:	Inactive
Facility Type:	PERMANENT
Category:	FEDERAL
Latitude:	34.030013
Longitude:	-118.253936

NAICS:

EPA ID:	CAD008252173
Create Date:	2002-03-14 16:36:26.000
NAICS Code:	332813
NAICS Description:	Electroplating, Plating, Polishing, Anodizing, and Coloring
Issued EPA ID Date:	1982-07-23 00:00:00
Inactive Date:	1995-01-01 00:00:00
Facility Name:	ROYAL PLATING CO
Facility Address:	787 E 15TH ST
Facility Address 2:	Not reported
Facility City:	LOS ANGELES
Facility County:	Not reported
Facility State:	CA
Facility Zip:	900210000

EPA ID:	CAD008252173
Create Date:	2002-03-14 16:36:26.000
NAICS Code:	332813
NAICS Description:	Electroplating, Plating, Polishing, Anodizing, and Coloring
Issued EPA ID Date:	1982-07-23 00:00:00
Inactive Date:	1995-01-01 00:00:00
Facility Name:	ROYAL PLATING CO
Facility Address:	787 E 15TH ST
Facility Address 2:	Not reported
Facility City:	LOS ANGELES
Facility County:	Not reported
Facility State:	CA
Facility Zip:	900210000

293
SSE
1/2-1
0.783 mi.
4134 ft.

A&S METAL RECYCLING INC
1960 MATEO STREET
LOS ANGELES, CA 90021

ICE **S102806846**
HWP **N/A**

Relative:
Lower

Actual:
228 ft.

ICE:

Envirostor ID:	3001251
Name:	A&S METAL RECYCLING INC
Address:	1960 MATEO STREET
City,State,Zip:	LOS ANGELES, CA 90021
EPA ID:	CAD981402407
Site Type:	INSPECTION
Facility Status:	No Action

Inspection:

Action Type:	Compliance Evaluation Inspection - Transporter
Action Date:	11/09/2022
Violation Class:	No Violations
RTC Date:	Not reported
Action Type:	Compliance Evaluation Inspection - Transporter
Action Date:	11/26/2013
Violation Class:	No Violations
RTC Date:	Not reported
Action Type:	Compliance Evaluation Inspection - Transporter
Action Date:	10/30/2007
Violation Class:	No Violations
RTC Date:	Not reported
Action Type:	Compliance Evaluation Inspection - Transporter
Action Date:	01/05/2000
Violation Class:	No Violations
RTC Date:	Not reported

HWP:

EPA ID:	CAD981402407
Name:	A&S METAL RECYCLING INC
Address:	1960 MATEO STREET
Cleanup Status:	CLOSED
Latitude:	34.02209
Longitude:	-118.2321
Facility Type:	Historical - Non-Operating
Facility Size:	Not reported
Supervisor:	Not reported
Site Code:	Not reported
Senate District:	24
Assembly District:	53
Public Information Officer:	Not reported
Commercial Offsite Facility Types:	Not reported
Quarterly Update:	1/3/2017- All files in the file rooms have been reviewed, and they show that this facility is not a TSDF. Furthermore, HWTS shows this facility has operated as a generator and transporter since 1993. This facility is being administratively closed due to never being permitted.
Project Manager Lead:	Not reported
Project Manager:	Not reported

A&S METAL RECYCLING INC (Continued) **S102806846**

Permit Type:	RCRA
Permit Effective Date:	Not reported
Permit Expiration Date:	Not reported
Calenviroscreen Score:	91-95%
Total Planned Hours:	Not reported
Total Planned Amount:	Not reported
Total Actual Hours:	Not reported

Closure:

EPA ID:	CAD981402407
Facility Type:	Historical - Non-Operating
Facility Name:	A&S METAL RECYCLING INC
Project Manager:	Not reported
Project Manager Lead:	Not reported
Supervisor:	Not reported
Facility Size:	Not reported
Facility Status:	CLOSED
Activity Type:	Closure Administrative
Final Date:	Not reported
Type:	RCRA
Title Description:	Admin Closure of a Transporter
Due Date:	Not reported
Comments:	Admin Close of a Hazardous Waste transporter. Facility was never permitted.
Unit Names:	Unit1
Event Description:	Closure Administrative - ISSUE CLOSURE VERIFICATION
Actual Date:	01/03/2017

294
SSW
1/2-1
0.792 mi.
4184 ft.

FORMER GAP PRODUCTS SITE **ENVIROSTOR** **S103883824**
1460 EAST WASHINGTON BOULEVARD **VCP** **N/A**
LOS ANGELES, CA 90021 **DEED**

Relative:
Lower

Actual:
229 ft.

ENVIROSTOR:

Name:	FORMER GAP PRODUCTS SITE
Address:	1460 EAST WASHINGTON BOULEVARD
City,State,Zip:	LOS ANGELES, CA 90021
Facility ID:	19340775
Status:	Certified O&M - Land Use Restrictions Only
Status Date:	12/13/2001
Site Code:	300786
Site Type:	Voluntary Cleanup
Site Type Detailed:	Voluntary Agreement
Acres:	0.1
NPL:	NO
Regulatory Agencies:	SMBRP
Lead Agency:	SMBRP
Program Manager:	Narine Aghakiant
Supervisor:	Jose Diaz
Division Branch:	Cleanup Chatsworth
Assembly:	59
Senate:	30
Special Program:	Voluntary Agreement - Standard Voluntary Agreement
Restricted Use:	YES
Site Mgmt Req:	NONE SPECIFIED
Funding:	Responsible Party

FORMER GAP PRODUCTS SITE (Continued) **S103883824**

Latitude: 34.02188
Longitude: -118.2464
APN: 5129-006-029, 5129006029
Past Use: MANUFACTURED GAS PLANT
Potential COC: Lead Chromium VI
Confirmed COC: NONE SPECIFIED
Potential Description: SOIL
Alias Name: FORMER GAP PRODUCTS SITE
Alias Type: Alternate Name
Alias Name: GAP PRODUCTS
Alias Type: Alternate Name
Alias Name: 5129-006-029
Alias Type: APN
Alias Name: 5129006029
Alias Type: APN
Alias Name: 110033614532
Alias Type: EPA (FRS #)
Alias Name: 300786
Alias Type: Project Code (Site Code)
Alias Name: 19340775
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Land Use Restriction
Completed Date: 11/13/2001
Comments: DTSC received a confirmed copy of the recorded Deed Restriction for the subject site. The document was recorded with L.A. County Recorder, November 8, 2001.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Standard Voluntary Agreement
Completed Date: 09/20/1999
Comments: VCA executed on 9/20/1999 to provide review and comment on a Preliminary Endangerment Assessment (PEA) equivalent report. Site was formerly used as a foundry, auto parts rebuilder and most recently as a chrome plating shop. Owner has already con- ducted a removal action without DTSC oversight.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Report
Completed Date: 12/13/2001
Comments: DTSC issued a No Further Action letter for the Site. Based upon the data presented in the PEA report and the recording of the Deed Restrictions, DTSC determined that the Site does not pose a threat to human health or the environment.

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported

FORMER GAP PRODUCTS SITE (Continued) **S103883824**

Schedule Revised Date: Not reported

VCP:

Name:	FORMER GAP PRODUCTS SITE
Address:	1460 EAST WASHINGTON BOULEVARD
City,State,Zip:	LOS ANGELES, CA 90021
Facility ID:	19340775
Site Type:	Voluntary Cleanup
Site Type Detail:	Voluntary Agreement
Site Mgmt. Req.:	NONE SPECIFIED
Acres:	0.1
National Priorities List:	NO
Cleanup Oversight Agencies:	SMBRP
Lead Agency:	SMBRP
Lead Agency Description:	DTSC - Site Cleanup Program
Project Manager:	Narine Aghakiant
Supervisor:	Jose Diaz
Division Branch:	Cleanup Chatsworth
Site Code:	300786
Assembly:	59
Senate:	30
Special Programs Code:	Voluntary Agreement - Standard Voluntary Agreement
Status:	Certified O&M - Land Use Restrictions Only
Status Date:	12/13/2001
Restricted Use:	YES
Funding:	Responsible Party
Lat/Long:	34.02188 / -118.2464
APN:	5129-006-029, 5129006029
Past Use:	MANUFACTURED GAS PLANT
Potential COC:	30013, 30153
Confirmed COC:	NONE SPECIFIED
Potential Description:	SOIL
Alias Name:	FORMER GAP PRODUCTS SITE
Alias Type:	Alternate Name
Alias Name:	GAP PRODUCTS
Alias Type:	Alternate Name
Alias Name:	5129-006-029
Alias Type:	APN
Alias Name:	5129006029
Alias Type:	APN
Alias Name:	110033614532
Alias Type:	EPA (FRS #)
Alias Name:	300786
Alias Type:	Project Code (Site Code)
Alias Name:	19340775
Alias Type:	Envirostor ID Number

Completed Info:

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Land Use Restriction
Completed Date:	11/13/2001
Comments:	DTSC received a confirmed copy of the recorded Deed Restriction for the subject site. The document was recorded with L.A. County Recorder, November 8, 2001.
Completed Area Name:	PROJECT WIDE

FORMER GAP PRODUCTS SITE (Continued) **S103883824**

Completed Sub Area Name: Not reported
Completed Document Type: Standard Voluntary Agreement
Completed Date: 09/20/1999
Comments: VCA executed on 9/20/1999 to provide review and comment on a Preliminary Endangerment Assessment (PEA) equivalent report. Site was formerly used as a foundry, auto parts rebuilder and most recently as a chrome plating shop. Owner has already con- ducted a removal action without DTSC oversight.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Report
Completed Date: 12/13/2001
Comments: DTSC issued a No Further Action letter for the Site. Based upon the data presented in the PEA report and the recording of the Deed Restrictions, DTSC determined that the Site does not pose a threat to human health or the environment.

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

DEED:
Name: FORMER GAP PRODUCTS SITE
Address: 1460 EAST WASHINGTON BOULEVARD
City,State,Zip: LOS ANGELES, CA 90021
Envirostor ID: 19340775
Area: PROJECT WIDE
Sub Area: Not reported
Site Type: VOLUNTARY CLEANUP
Status: CERTIFIED O&M - LAND USE RESTRICTIONS ONLY
Agency: Not reported
Covenant Uploaded: Not reported
Deed Date(s): Not reported
File Name: Envirostor Land Use Restrictions

295
ESE
1/2-1
0.796 mi.
4201 ft.

795 S MISSION
795 SOUTH MISSION ROAD
LOS ANGELES, CA 90023

ENVIROSTOR **S123133196**
N/A

Relative:
Lower

Actual:
243 ft.

ENVIROSTOR:
Name: 795 S MISSION
Address: 795 SOUTH MISSION ROAD
City,State,Zip: LOS ANGELES, CA 90023
Facility ID: 60002723
Status: Inactive - Needs Evaluation
Status Date: 03/27/2018
Site Code: 401848
Site Type: Evaluation

795 S MISSION (Continued) **S123133196**

Site Type Detailed:	Evaluation
Acres:	1.06
NPL:	NO
Regulatory Agencies:	SMBRP
Lead Agency:	SMBRP
Program Manager:	Triss Chesney
Supervisor:	Yolanda Garza
Division Branch:	Southern California Schools & Brownfields Outreach
Assembly:	53
Senate:	24
Special Program:	EPA - Target Site Investigation
Restricted Use:	NO
Site Mgmt Req:	NONE SPECIFIED
Funding:	EPA Grant
Latitude:	0
Longitude:	0
APN:	NONE SPECIFIED
Past Use:	NONE SPECIFIED
Potential COC:	NONE SPECIFIED
Confirmed COC:	NONE SPECIFIED
Potential Description:	NONE SPECIFIED
Alias Name:	401848
Alias Type:	Project Code (Site Code)
Alias Name:	60002723
Alias Type:	Envirostor ID Number

Completed Info:

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Application
Completed Date:	08/21/2018
Comments:	TSI Approval.
Future Area Name:	Not reported
Future Sub Area Name:	Not reported
Future Document Type:	Not reported
Future Due Date:	Not reported
Schedule Area Name:	Not reported
Schedule Sub Area Name:	Not reported
Schedule Document Type:	Not reported
Schedule Due Date:	Not reported
Schedule Revised Date:	Not reported

296
SE
1/2-1
0.834 mi.
4402 ft.

CITY OF LOS ANGELES - ASPHALT PLANT NO. 1
2484 EAST OLYMPIC BOULEVARD
LOS ANGELES, CA 90021

ENVIROSTOR **S120052870**
VCP **N/A**

Relative:
Lower

Actual:
230 ft.

ENVIROSTOR:

Name:	CITY OF LOS ANGELES - ASPHALT PLANT NO. 1
Address:	2484 EAST OLYMPIC BOULEVARD
City,State,Zip:	LOS ANGELES, CA 90021
Facility ID:	60002470
Status:	Inactive - Needs Evaluation
Status Date:	08/03/2017
Site Code:	301781
Site Type:	Voluntary Cleanup

CITY OF LOS ANGELES - ASPHALT PLANT NO. 1 (Continued) **S120052870**

Site Type Detailed:	Voluntary Agreement
Acres:	1.9
NPL:	NO
Regulatory Agencies:	SMBRP
Lead Agency:	SMBRP
Program Manager:	Patrick Movlay
Supervisor:	Juli Propes
Division Branch:	Cleanup Chatsworth
Assembly:	53
Senate:	24
Special Program:	Voluntary Agreement - Standard Voluntary Agreement
Restricted Use:	NO
Site Mgmt Req:	NONE SPECIFIED
Funding:	Responsible Party
Latitude:	34.02523
Longitude:	-118.2270
APN:	NONE SPECIFIED
Past Use:	MANUFACTURING - OTHER
Potential COC:	NONE SPECIFIED
Confirmed COC:	NONE SPECIFIED
Potential Description:	NONE SPECIFIED
Alias Name:	301781
Alias Type:	Project Code (Site Code)
Alias Name:	60002470
Alias Type:	Envirostor ID Number

Completed Info:

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Voluntary Cleanup Agreement Termination Notification
Completed Date:	07/05/2017
Comments:	Not reported
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Technical Workplan
Completed Date:	04/20/2017
Comments:	This workplan was implemented prior to entering into a VCA with the Proponent
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Standard Voluntary Agreement
Completed Date:	03/01/2017
Comments:	VCA Finalized and signed LA Asphalt Plant No 1
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Site Characterization Report
Completed Date:	07/05/2017
Comments:	Not reported
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Soils Management Plan
Completed Date:	07/05/2017
Comments:	Not reported

CITY OF LOS ANGELES - ASPHALT PLANT NO. 1 (Continued) **S120052870**

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Risk Assessment Report
Completed Date:	07/05/2017
Comments:	Not reported
Future Area Name:	Not reported
Future Sub Area Name:	Not reported
Future Document Type:	Not reported
Future Due Date:	Not reported
Schedule Area Name:	Not reported
Schedule Sub Area Name:	Not reported
Schedule Document Type:	Not reported
Schedule Due Date:	Not reported
Schedule Revised Date:	Not reported

VCP:

Name:	CITY OF LOS ANGELES - ASPHALT PLANT NO. 1
Address:	2484 EAST OLYMPIC BOULEVARD
City,State,Zip:	LOS ANGELES, CA 90021
Facility ID:	60002470
Site Type:	Voluntary Cleanup
Site Type Detail:	Voluntary Agreement
Site Mgmt. Req.:	NONE SPECIFIED
Acres:	1.9
National Priorities List:	NO
Cleanup Oversight Agencies:	SMBRP
Lead Agency:	SMBRP
Lead Agency Description:	DTSC - Site Cleanup Program
Project Manager:	Patrick Movlay
Supervisor:	Juli Propes
Division Branch:	Cleanup Chatsworth
Site Code:	301781
Assembly:	53
Senate:	24
Special Programs Code:	Voluntary Agreement - Standard Voluntary Agreement
Status:	Inactive - Needs Evaluation
Status Date:	08/03/2017
Restricted Use:	NO
Funding:	Responsible Party
Lat/Long:	34.02523 / -118.2270
APN:	NONE SPECIFIED
Past Use:	MANUFACTURING - OTHER
Potential COC:	NONE SPECIFIED
Confirmed COC:	NONE SPECIFIED
Potential Description:	NONE SPECIFIED
Alias Name:	301781
Alias Type:	Project Code (Site Code)
Alias Name:	60002470
Alias Type:	Envirostor ID Number

Completed Info:

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Voluntary Cleanup Agreement Termination Notification
Completed Date:	07/05/2017
Comments:	Not reported

CITY OF LOS ANGELES - ASPHALT PLANT NO. 1 (Continued) **S120052870**

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Technical Workplan
Completed Date:	04/20/2017
Comments:	This workplan was implemented prior to entering into a VCA with the Proponent
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Standard Voluntary Agreement
Completed Date:	03/01/2017
Comments:	VCA Finalized and signed LA Asphalt Plant No 1
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Site Characterization Report
Completed Date:	07/05/2017
Comments:	Not reported
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Soils Management Plan
Completed Date:	07/05/2017
Comments:	Not reported
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Risk Assessment Report
Completed Date:	07/05/2017
Comments:	Not reported
Future Area Name:	Not reported
Future Sub Area Name:	Not reported
Future Document Type:	Not reported
Future Due Date:	Not reported
Schedule Area Name:	Not reported
Schedule Sub Area Name:	Not reported
Schedule Document Type:	Not reported
Schedule Due Date:	Not reported
Schedule Revised Date:	Not reported

297
SSW
1/2-1
0.845 mi.
4460 ft.

Relative:
Lower

Actual:
228 ft.

SHELMAC CORP
1440 E. WALNUT ST.
LOS ANGELES, CA 90011

SEMS-ARCHIVE **1000289756**
RCRA-SQG **CAD070214895**
ENVIROSTOR
FINDS
ECHO
CERS

SEMS Archive:

Site ID:	0901551
EPA ID:	CAD070214895
Name:	SHELMAC CORPORATION
Address:	1440 WALNUT ST
Address 2:	Not reported
City,State,Zip:	LOS ANGELES, CA 90011
Cong District:	25
FIPS Code:	06037
FF:	N

SHELMAC CORP (Continued) **1000289756**

NPL: Not on the NPL
Non NPL Status: NFRAP-Site does not qualify for the NPL based on existing information

SEMS Archive Detail:

Region: 09
Site ID: 0901551
EPA ID: CAD070214895
Site Name: SHELMAC CORPORATION
NPL: N
FF: N
OU: 00
Action Code: VS
Action Name: ARCH SITE
SEQ: 1
Start Date: Not reported
Finish Date: 1987-03-01 05:00:00
Qual: Not reported
Current Action Lead: EPA Perf In-Hse

Region: 09
Site ID: 0901551
EPA ID: CAD070214895
Site Name: SHELMAC CORPORATION
NPL: N
FF: N
OU: 00
Action Code: DS
Action Name: DISCVRY
SEQ: 1
Start Date: 1986-07-01 04:00:00
Finish Date: 1986-07-01 04:00:00
Qual: Not reported
Current Action Lead: St Perf

Region: 09
Site ID: 0901551
EPA ID: CAD070214895
Site Name: SHELMAC CORPORATION
NPL: N
FF: N
OU: 00
Action Code: PA
Action Name: PA
SEQ: 1
Start Date: 1986-07-01 04:00:00
Finish Date: 1987-03-01 05:00:00
Qual: N
Current Action Lead: St Perf

RCRA Listings:

Date Form Received by Agency: 19960901
Handler Name: SHELMAC CORP
Handler Address: 1440 E WALNUT ST
Handler City,State,Zip: LOS ANGELES, CA 90011
EPA ID: CAD070214895
Contact Name: Not reported

SHELMAC CORP (Continued) **1000289756**

Contact Address:		Not reported
Contact City,State,Zip:		Not reported
Contact Telephone:		Not reported
Contact Fax:		Not reported
Contact Email:		Not reported
Contact Title:		Not reported
EPA Region:		09
Land Type:		Not reported
Federal Waste Generator Description:		Small Quantity Generator
Non-Notifier:		Not reported
Biennial Report Cycle:		Not reported
Accessibility:		Not reported
Active Site Indicator:		Handler Activities
State District Owner:		CA
State District:		4R
Mailing Address:		E WALNUT ST
Mailing City,State,Zip:		LOS ANGELES, CA 90011
Owner Name:	LATKIN ARNOLD	
Owner Type:		Private
Operator Name:	NOT REQUIRED	
Operator Type:		Private
Short-Term Generator Activity:		No
Importer Activity:		No
Mixed Waste Generator:		No
Transporter Activity:		No
Transfer Facility Activity:		No
Recycler Activity with Storage:		No
Small Quantity On-Site Burner Exemption:		No
Smelting Melting and Refining Furnace Exemption:		No
Underground Injection Control:		No
Off-Site Waste Receipt:		No
Universal Waste Indicator:		No
Universal Waste Destination Facility:		No
Federal Universal Waste:		No
Active Site Fed-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site Converter Treatment storage and Disposal Facility:		Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site State-Reg Handler:		---
Federal Facility Indicator:		Not reported
Hazardous Secondary Material Indicator:		NN
Sub-Part K Indicator:		Not reported
Commercial TSD Indicator:		No
Treatment Storage and Disposal Type:		Not reported
2018 GPRA Permit Baseline:		Not on the Baseline
2018 GPRA Renewals Baseline:		Not on the Baseline
Permit Renewals Workload Universe:		Not reported
Permit Workload Universe:		Not reported
Permit Progress Universe:		Not reported
Post-Closure Workload Universe:		Not reported
Closure Workload Universe:		Not reported
202 GPRA Corrective Action Baseline:		No
Corrective Action Workload Universe:		No
Subject to Corrective Action Universe:		No
Non-TSDFs Where RCRA CA has Been Imposed Universe:		No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:		No
TSDFs Only Subject to CA under Discretionary Auth Universe:		No
Corrective Action Priority Ranking:		No NCAPS ranking

SHELMAC CORP (Continued) **1000289756**

Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required: Not reported	
Handler Date of Last Change:	20000915
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	Not reported
Manifest Broker:	Not reported
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name: LATKIN ARNOLD	
Legal Status:	Private
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	NOT REQUIRED
Owner/Operator City,State,Zip:	NOT REQUIRED, ME 99999
Owner/Operator Telephone:	415-555-1212
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name: NOT REQUIRED	
Legal Status:	Private
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	NOT REQUIRED
Owner/Operator City,State,Zip:	NOT REQUIRED, ME 99999
Owner/Operator Telephone:	415-555-1212
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	19960901
Handler Name: SHELMAC CORP	
Federal Waste Generator Description:	Small Quantity Generator
State District Owner:	CA
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No

SHELMAC CORP (Continued) **1000289756**

Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Code: 33991
NAICS Description: JEWELRY AND SILVERWARE MANUFACTURING

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

ENVIROSTOR:
Name: SHELMAC CORPORATION
Address: 1440 WALNUT STREET
City,State,Zip: LOS ANGELES, CA 90011
Facility ID: 19340642
Status: Refer: Other Agency
Status Date: 08/15/1995
Site Code: Not reported
Site Type: Historical
Site Type Detailed: * Historical
Acres: Not reported
NPL: NO
Regulatory Agencies: NONE SPECIFIED
Lead Agency: NONE SPECIFIED
Program Manager: Not reported
Supervisor: * Mmonroy
Division Branch: Cleanup Chatsworth
Assembly: 59
Senate: 30
Special Program: * Site Char & Assess Grant (CERCLA 104)
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: Not reported
Latitude: 34.02147
Longitude: -118.2474
APN: 5129005021
Past Use: NONE SPECIFIED
Potential COC: * Sludge - Degreasing * Sludge - Paint * UNSPECIFIED SLUDGE WASTE * UNSPECIFIED SOLVENT MIXTURES
Confirmed COC: NONE SPECIFIED
Potential Description: NONE SPECIFIED
Alias Name: 5129005021
Alias Type: APN
Alias Name: CAD070214895
Alias Type: CERCLIS ID
Alias Name: 19340642
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported

SHELMAC CORP (Continued) **1000289756**

Completed Document Type:	* Discovery
Completed Date:	02/11/1983
Comments:	Facility Identified: LA Chamber of Commerce Bus Dir 1969.
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Site Screening
Completed Date:	11/07/1994
Comments:	DATABASE VALIDATION PROJECT CONFIRMS NFA FOR DTSC.
Future Area Name:	Not reported
Future Sub Area Name:	Not reported
Future Document Type:	Not reported
Future Due Date:	Not reported
Schedule Area Name:	Not reported
Schedule Sub Area Name:	Not reported
Schedule Document Type:	Not reported
Schedule Due Date:	Not reported
Schedule Revised Date:	Not reported

FINDS:
Registry ID: 110002138696

Click Here for FRS Facility Detail Report:

Environmental Interest/Information System:
US EPA TRIS (Toxics Release Inventory System) contains information from facilities on the amounts of over 300 listed toxic chemicals that these facilities release directly to air, water, land, or that are transported off-site.
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:

Envid:	1000289756
Registry ID:	110002138696
DFR URL:	http://echo.epa.gov/detailed-facility-report?fid=110002138696
Name:	SHELMAC CORP
Address:	1440 E. WALNUT ST.
City,State,Zip:	LOS ANGELES, CA 90011

CERS:

Name:	ELIAS REAL ESTATE LLC
Address:	1440 WALNUT ST
City,State,Zip:	LOS ANGELES, CA 90011
Site ID:	569754
CERS ID:	10855702
CERS Description:	Chemical Storage Facilities

Coordinates:
Site ID: 569754

SHELMAC CORP (Continued) **1000289756**

Facility Name: Elias Real Estate LLC
Env Int Type Code: HMBP
Program ID: 10855702
Coord Name: Not reported
Ref Point Type Desc: Center of a facility or station.,
Latitude: 34.021480
Longitude: -118.247430

Affiliation:
Affiliation Type Desc: Environmental Contact
Entity Name: Madalyn Taylor
Entity Title: Not reported
Affiliation Address: 1440 Walnut St
Affiliation City: Los Angeles
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 90011
Affiliation Phone: .

Affiliation Type Desc: Legal Owner
Entity Name: Elias Real Estate LLC
Entity Title: Not reported
Affiliation Address: 1440 Walnut St
Affiliation City: Los Angeles
Affiliation State: CA
Affiliation Country: United States
Affiliation Zip: 90011
Affiliation Phone: (310) 350-5171,

Affiliation Type Desc: Operator
Entity Name: Elias Real Estate LLC
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: (310) 350-5171,

Affiliation Type Desc: CUPA District
Entity Name: Los Angeles City Fire Department
Entity Title: Not reported
Affiliation Address: 200 North Main Street, Room 1780
Affiliation City: Los Angeles
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 90012
Affiliation Phone: (213) 978-3680,

Affiliation Type Desc: Identification Signer
Entity Name: Adir Haroni
Entity Title: Owner
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported

SHELMAC CORP (Continued) **1000289756**

Affiliation Phone: .

Affiliation Type Desc: Facility Mailing Address
Entity Name: Mailing Address
Entity Title: Not reported
Affiliation Address: 1400 Walnut Street
Affiliation City: Los Angeles
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 90011
Affiliation Phone: .

Affiliation Type Desc: Parent Corporation
Entity Name: Elias Real Estate LLC
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: .

Affiliation Type Desc: Property Owner
Entity Name: Elias Haroni
Entity Title: Not reported
Affiliation Address: 1440 Walnut St
Affiliation City: Los Angeles
Affiliation State: CA
Affiliation Country: United States
Affiliation Zip: 90011
Affiliation Phone: (310) 350-5166,

Affiliation Type Desc: Document Preparer
Entity Name: ADIR HARONI
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: .

298
WSW
1/2-1
0.863 mi.
4558 ft.

SUNGRO PRODUCTS LLC
810 18TH
LOS ANGELES, CA 90021

ENVIROSTOR **1000365753**
NPDES **N/A**
CIWQS
CERS

Relative:
Lower

Actual:
229 ft.

ENVIROSTOR:
Name: SUNGRO CHEMICALS
Address: 810 EAST 18TH STREET
City,State,Zip: LOS ANGELES, CA 90021
Facility ID: 19281202
Status: Refer: Other Agency
Status Date: 08/31/1995
Site Code: Not reported
Site Type: Historical

SUNGRO PRODUCTS LLC (Continued) **1000365753**

Site Type Detailed: * Historical
Acres: Not reported
NPL: NO
Regulatory Agencies: NONE SPECIFIED
Lead Agency: NONE SPECIFIED
Program Manager: Not reported
Supervisor: * Mmonroy
Division Branch: Cleanup Chatsworth
Assembly: 59
Senate: 30
Special Program: Not reported
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: Not reported
Latitude: 34.02722
Longitude: -118.2544
APN: NONE SPECIFIED
Past Use: NONE SPECIFIED
Potential COC: NONE SPECIFIED
Confirmed COC: NONE SPECIFIED
Potential Description: NONE SPECIFIED
Alias Name: BEST CONTAINER
Alias Type: Alternate Name
Alias Name: GROLYFE DIVISION
Alias Type: Alternate Name
Alias Name: LANE LABS
Alias Type: Alternate Name
Alias Name: CAD009689696
Alias Type: EPA Identification Number
Alias Name: 110002637923
Alias Type: EPA (FRS #)
Alias Name: 19281202
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Screening
Completed Date: 04/11/1995
Comments: NFA FOR DTSC.

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

NPDES:
Name: SUNGRO PRODUCTS LLC
Address: 810 18TH
City,State,Zip: LOS ANGELES, CA 90021
Facility Status: Not reported
NPDES Number: Not reported

SUNGRO PRODUCTS LLC (Continued) **1000365753**

Region:	Not reported
Agency Number:	Not reported
Regulatory Measure ID:	Not reported
Place ID:	Not reported
Order Number:	Not reported
WDID:	4 19I021631
Regulatory Measure Type:	Industrial
Program Type:	Not reported
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Discharge Address:	Not reported
Discharge Name:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
Status:	Active
Status Date:	06/25/2008
Operator Name:	Sungro Products LLC
Operator Address:	810 E 18th St
Operator City:	Los Angeles
Operator State:	California
Operator Zip:	90021

NPDES as of 03/2018:

NPDES Number:	CAS000001
Status:	Active
Agency Number:	0
Region:	4
Regulatory Measure ID:	347223
Order Number:	97-03-DWQ
Regulatory Measure Type:	Enrollee
Place ID:	Not reported
WDID:	4 19I021631
Program Type:	Industrial
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	06/25/2008
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	Sungro Products LLC
Discharge Address:	810 E 18th St
Discharge City:	Los Angeles
Discharge State:	California
Discharge Zip:	90021
Received Date:	Not reported
Processed Date:	Not reported
Status:	Not reported
Status Date:	Not reported
Place Size:	Not reported
Place Size Unit:	Not reported
Contact:	Not reported
Contact Title:	Not reported
Contact Phone:	Not reported
Contact Phone Ext:	Not reported
Contact Email:	Not reported
Operator Name:	Not reported
Operator Address:	Not reported

SUNGRO PRODUCTS LLC (Continued) **1000365753**

Operator City:	Not reported
Operator State:	Not reported
Operator Zip:	Not reported
Operator Contact:	Not reported
Operator Contact Title:	Not reported
Operator Contact Phone:	Not reported
Operator Contact Phone Ext:	Not reported
Operator Contact Email:	Not reported
Operator Type:	Not reported
Developer:	Not reported
Developer Address:	Not reported
Developer City:	Not reported
Developer State:	Not reported
Developer Zip:	Not reported
Developer Contact:	Not reported
Developer Contact Title:	Not reported
Constype Linear Utility Ind:	Not reported
Emergency Phone:	Not reported
Emergency Phone Ext:	Not reported
Constype Above Ground Ind:	Not reported
Constype Below Ground Ind:	Not reported
Constype Cable Line Ind:	Not reported
Constype Comm Line Ind:	Not reported
Constype Commertial Ind:	Not reported
Constype Electrical Line Ind:	Not reported
Constype Gas Line Ind:	Not reported
Constype Industrial Ind:	Not reported
Constype Other Description:	Not reported
Constype Other Ind:	Not reported
Constype Recons Ind:	Not reported
Constype Residential Ind:	Not reported
Constype Transport Ind:	Not reported
Constype Utility Description:	Not reported
Constype Utility Ind:	Not reported
Constype Water Sewer Ind:	Not reported
Dir Discharge Uswater Ind:	Not reported
Receiving Water Name:	Not reported
Certifier:	Not reported
Certifier Title:	Not reported
Certification Date:	Not reported
Primary Sic:	Not reported
Secondary Sic:	Not reported
Tertiary Sic:	Not reported
NPDES Number:	Not reported
Status:	Not reported
Agency Number:	Not reported
Region:	4
Regulatory Measure ID:	347223
Order Number:	Not reported
Regulatory Measure Type:	Industrial
Place ID:	Not reported
WDID:	4 19I021631
Program Type:	Not reported
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported

SUNGRO PRODUCTS LLC (Continued) **1000365753**

Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	Not reported
Discharge Address:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
Received Date:	06/18/2008
Processed Date:	06/25/2008
Status:	Active
Status Date:	06/25/2008
Place Size:	18000
Place Size Unit:	SqFt
Contact:	Larry Mackson
Contact Title:	Not reported
Contact Phone:	213-747-4125
Contact Phone Ext:	Not reported
Contact Email:	LARRY@SUNGROPRODUCTS.COM
Operator Name:	Sungro Products LLC
Operator Address:	810 E 18th St
Operator City:	Los Angeles
Operator State:	California
Operator Zip:	90021
Operator Contact:	Larry Mackson
Operator Contact Title:	Not reported
Operator Contact Phone:	213-747-4125
Operator Contact Phone Ext:	Not reported
Operator Contact Email:	LARRY@SUNGROPRODUCTS.COM
Operator Type:	Private Business
Developer:	Not reported
Developer Address:	Not reported
Developer City:	Not reported
Developer State:	California
Developer Zip:	Not reported
Developer Contact:	Not reported
Developer Contact Title:	Not reported
Constype Linear Utility Ind:	Not reported
Emergency Phone:	Not reported
Emergency Phone Ext:	Not reported
Constype Above Ground Ind:	Not reported
Constype Below Ground Ind:	Not reported
Constype Cable Line Ind:	Not reported
Constype Comm Line Ind:	Not reported
Constype Commertial Ind:	Not reported
Constype Electrical Line Ind:	Not reported
Constype Gas Line Ind:	Not reported
Constype Industrial Ind:	Not reported
Constype Other Description:	Not reported
Constype Other Ind:	Not reported
Constype Recons Ind:	Not reported
Constype Residential Ind:	Not reported
Constype Transport Ind:	Not reported
Constype Utility Description:	Not reported
Constype Utility Ind:	Not reported
Constype Water Sewer Ind:	Not reported
Dir Discharge Uswater Ind:	N
Receiving Water Name:	LA river
Certifier:	LARRY MACKSON

SUNGRO PRODUCTS LLC (Continued) **1000365753**

Certifier Title:	Manager
Certification Date:	26-MAR-15
Primary Sic:	2899-Chemicals and Chemical Preparations, NEC
Secondary Sic:	299-Miscellaneous products of petroleum
Tertiary Sic:	2842-Speciality Cleaning, Polishing, and Sanitary Preparations

Name:	SUNGRO PRODUCTS LLC
Address:	810 18TH
City,State,Zip:	LOS ANGELES, CA 90021
Facility Status:	Active
NPDES Number:	CAS000001
Region:	4
Agency Number:	0
Regulatory Measure ID:	347223
Place ID:	Not reported
Order Number:	97-03-DWQ
WDID:	4 19I021631
Regulatory Measure Type:	Enrollee
Program Type:	Industrial
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	06/25/2008
Termination Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Discharge Address:	810 E 18th St
Discharge Name:	Sungro Products LLC
Discharge City:	Los Angeles
Discharge State:	California
Discharge Zip:	90021
Status:	Not reported
Status Date:	Not reported
Operator Name:	Not reported
Operator Address:	Not reported
Operator City:	Not reported
Operator State:	Not reported
Operator Zip:	Not reported

NPDES as of 03/2018:

NPDES Number:	CAS000001
Status:	Active
Agency Number:	0
Region:	4
Regulatory Measure ID:	347223
Order Number:	97-03-DWQ
Regulatory Measure Type:	Enrollee
Place ID:	Not reported
WDID:	4 19I021631
Program Type:	Industrial
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	06/25/2008
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	Sungro Products LLC
Discharge Address:	810 E 18th St
Discharge City:	Los Angeles
Discharge State:	California
Discharge Zip:	90021
Received Date:	Not reported

SUNGRO PRODUCTS LLC (Continued) **1000365753**

Processed Date:	Not reported
Status:	Not reported
Status Date:	Not reported
Place Size:	Not reported
Place Size Unit:	Not reported
Contact:	Not reported
Contact Title:	Not reported
Contact Phone:	Not reported
Contact Phone Ext:	Not reported
Contact Email:	Not reported
Operator Name:	Not reported
Operator Address:	Not reported
Operator City:	Not reported
Operator State:	Not reported
Operator Zip:	Not reported
Operator Contact:	Not reported
Operator Contact Title:	Not reported
Operator Contact Phone:	Not reported
Operator Contact Phone Ext:	Not reported
Operator Contact Email:	Not reported
Operator Type:	Not reported
Developer:	Not reported
Developer Address:	Not reported
Developer City:	Not reported
Developer State:	Not reported
Developer Zip:	Not reported
Developer Contact:	Not reported
Developer Contact Title:	Not reported
Constype Linear Utility Ind:	Not reported
Emergency Phone:	Not reported
Emergency Phone Ext:	Not reported
Constype Above Ground Ind:	Not reported
Constype Below Ground Ind:	Not reported
Constype Cable Line Ind:	Not reported
Constype Comm Line Ind:	Not reported
Constype Commertial Ind:	Not reported
Constype Electrical Line Ind:	Not reported
Constype Gas Line Ind:	Not reported
Constype Industrial Ind:	Not reported
Constype Other Description:	Not reported
Constype Other Ind:	Not reported
Constype Recons Ind:	Not reported
Constype Residential Ind:	Not reported
Constype Transport Ind:	Not reported
Constype Utility Description:	Not reported
Constype Utility Ind:	Not reported
Constype Water Sewer Ind:	Not reported
Dir Discharge Uswater Ind:	Not reported
Receiving Water Name:	Not reported
Certifier:	Not reported
Certifier Title:	Not reported
Certification Date:	Not reported
Primary Sic:	Not reported
Secondary Sic:	Not reported
Tertiary Sic:	Not reported
NPDES Number:	Not reported

SUNGRO PRODUCTS LLC (Continued) **1000365753**

Status:	Not reported
Agency Number:	Not reported
Region:	4
Regulatory Measure ID:	347223
Order Number:	Not reported
Regulatory Measure Type:	Industrial
Place ID:	Not reported
WDID:	4 19I021631
Program Type:	Not reported
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	Not reported
Discharge Address:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
Received Date:	06/18/2008
Processed Date:	06/25/2008
Status:	Active
Status Date:	06/25/2008
Place Size:	18000
Place Size Unit:	SqFt
Contact:	Larry Mackson
Contact Title:	Not reported
Contact Phone:	213-747-4125
Contact Phone Ext:	Not reported
Contact Email:	LARRY@SUNGROPRODUCTS.COM
Operator Name:	Sungro Products LLC
Operator Address:	810 E 18th St
Operator City:	Los Angeles
Operator State:	California
Operator Zip:	90021
Operator Contact:	Larry Mackson
Operator Contact Title:	Not reported
Operator Contact Phone:	213-747-4125
Operator Contact Phone Ext:	Not reported
Operator Contact Email:	LARRY@SUNGROPRODUCTS.COM
Operator Type:	Private Business
Developer:	Not reported
Developer Address:	Not reported
Developer City:	Not reported
Developer State:	California
Developer Zip:	Not reported
Developer Contact:	Not reported
Developer Contact Title:	Not reported
Constype Linear Utility Ind:	Not reported
Emergency Phone:	Not reported
Emergency Phone Ext:	Not reported
Constype Above Ground Ind:	Not reported
Constype Below Ground Ind:	Not reported
Constype Cable Line Ind:	Not reported
Constype Comm Line Ind:	Not reported
Constype Commertial Ind:	Not reported
Constype Electrical Line Ind:	Not reported
Constype Gas Line Ind:	Not reported

SUNGRO PRODUCTS LLC (Continued) **1000365753**

Constype Industrial Ind:	Not reported
Constype Other Description:	Not reported
Constype Other Ind:	Not reported
Constype Recons Ind:	Not reported
Constype Residential Ind:	Not reported
Constype Transport Ind:	Not reported
Constype Utility Description:	Not reported
Constype Utility Ind:	Not reported
Constype Water Sewer Ind:	Not reported
Dir Discharge Uswater Ind:	N
Receiving Water Name:	LA river
Certifier:	LARRY MACKSON
Certifier Title:	Manager
Certification Date:	26-MAR-15
Primary Sic:	2899-Chemicals and Chemical Preparations, NEC
Secondary Sic:	299-Miscellaneous products of petroleum
Tertiary Sic:	2842-Speciality Cleaning, Polishing, and Sanitary Preparations

CIWQS:

Name:	SUNGRO PRODUCTS LLC
Address:	810 18TH
City,State,Zip:	LOS ANGELES, CA 90021
Agency:	Sungro Products LLC
Agency Address:	810 E 18th St, Los Angeles, CA 90021
Place/Project Type:	Industrial - Chemicals and Chemical Preparations, NEC
SIC/NAICS:	2899(+)
Region:	4
Program:	INDSTW
Regulatory Measure Status:	Active
Regulatory Measure Type:	Storm water industrial
Order Number:	2014-0057-DWQ
WDID:	4 19I021631
NPDES Number:	CAS000001
Adoption Date:	Not reported
Effective Date:	06/25/2008
Termination Date:	Not reported
Expiration/Review Date:	Not reported
Design Flow:	Not reported
Major/Minor:	Not reported
Complexity:	Not reported
TTWQ:	Not reported
Enforcement Actions within 5 years:	1
Violations within 5 years:	1
Latitude:	34.0273
Longitude:	-118.25413

CERS:

Name:	SUNGRO PRODUCTS LLC
Address:	810 18TH
City,State,Zip:	LOS ANGELES, CA 90021
Site ID:	543561
CERS ID:	719764
CERS Description:	Industrial Facility Storm Water

Violations:

Site ID:	543561

SUNGRO PRODUCTS LLC (Continued) **1000365753**

Site Name: Sungro Products LLC
Violation Date: 03-11-2016
Citation: 2014-0057-DWQ - Industrial General Permit
Violation Description: SW - Deficient Report
Violation Notes: Failure to analyze stormwater discharge sample for zinc and nitrogen (as nitrate plus nitrite)
Violation Division: Water Boards
Violation Program: INDSTW
Violation Source: SMARTS,

Site ID: 543561
Site Name: Sungro Products LLC
Violation Date: 04-23-2021
Citation: 2014-0057-DWQ - Industrial General Permit
Violation Description: SW - Late Report
Violation Notes: Failure to collect and analyze stormwater samples
Violation Division: Water Boards
Violation Program: INDSTW
Violation Source: SMARTS,

Evaluation:
Eval General Type: Compliance Evaluation Inspection
Eval Date: 06-07-2016
Violations Found: No
Eval Type: Industrial Storm Water Compliance Evaluation
Eval Notes: This inspection was conducted to evaluate the facility's compliance with the Stormwater Permit. The facility was in compliance at the time of the inspection. However, the permittee did not analyze its stormwater discharge samples for all required parameters for the 2015-16 annual report period. See attached 6/7/16 Inspection Report for more details.
Eval Division: Water Boards
Eval Program: INDSTW
Eval Source: SMARTS,

Enforcement Action:
Site ID: 543561
Site Name: Sungro Products LLC
Site Address: 810 18TH
Site City: LOS ANGELES
Site Zip: 90021
Enf Action Date: 04-23-2021
Enf Action Type: Notice of Violation
Enf Action Description: Notice of Violation
Enf Action Notes: Failure to collect and analyze stormwater samples
Enf Action Division: Water Boards
Enf Action Program: INDSTW
Enf Action Source: SMARTS,

Site ID: 543561
Site Name: Sungro Products LLC
Site Address: 810 18TH
Site City: LOS ANGELES
Site Zip: 90021
Enf Action Date: 08-13-2009
Enf Action Type: Notice of Non-Compliance for Non-Filers

SUNGRO PRODUCTS LLC (Continued) **1000365753**

Enf Action Description:	Notice of Non-Compliance for Non-Filers
Enf Action Notes:	NSNC sent 6/17/08 for failure to enroll under INDSTW permit.
Enf Action Division:	Water Boards
Enf Action Program:	INDSTW
Enf Action Source:	SMARTS,
Site ID:	543561
Site Name:	Sungro Products LLC
Site Address:	810 18TH
Site City:	LOS ANGELES
Site Zip:	90021
Enf Action Date:	08-23-2016
Enf Action Type:	Notice of Violation
Enf Action Description:	Notice of Violation
Enf Action Notes:	Failure to analyze stormwater discharge sample for zinc and nitrogen (as nitrate plus nitrite)
Enf Action Division:	Water Boards
Enf Action Program:	INDSTW
Enf Action Source:	SMARTS,

Affiliation:

Affiliation Type Desc:	Owner/Operator
Entity Name:	Sungro Products LLC
Entity Title:	Operator
Affiliation Address:	810 E 18th St
Affiliation City:	Los Angeles
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	90021
Affiliation Phone:	.

299
WSW
1/2-1
0.891 mi.
4703 ft.

LAUSD MASTER AGREEMENT **ENVIROSTOR** **S111752578**
1449 SOUTH SAN PEDRO STREET **SCH** **N/A**
LOS ANGELES, CA 90015

Relative:
Lower

Actual:
231 ft.

ENVIROSTOR:

Name:	LAUSD MASTER AGREEMENT
Address:	1449 SOUTH SAN PEDRO STREET
City,State,Zip:	LOS ANGELES, CA 90015
Facility ID:	19820019
Status:	Active
Status Date:	07/01/1998
Site Code:	300774
Site Type:	School Investigation
Site Type Detailed:	School
Acres:	0
NPL:	NO
Regulatory Agencies:	SMBRP
Lead Agency:	SMBRP
Program Manager:	Shahir Haddad
Supervisor:	Shahir Haddad
Division Branch:	Southern California Schools & Brownfields Outreach
Assembly:	53
Senate:	30

LAUSD MASTER AGREEMENT (Continued) **S111752578**

Special Program: Voluntary Agreement - Standard Voluntary Agreement
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: School District
Latitude: 34.03085
Longitude: -118.2553
APN: NONE SPECIFIED
Past Use: * EDUCATIONAL SERVICES
Potential COC: NONE SPECIFIED
Confirmed COC: NONE SPECIFIED
Potential Description: NONE SPECIFIED
Alias Name: LAUSD
Alias Type: Alternate Name
Alias Name: LAUSD MASTER AGREEMENT
Alias Type: Alternate Name
Alias Name: LOS ANGELES UNIFIED SCHOOL DISTRICT
Alias Type: Alternate Name
Alias Name: 300774
Alias Type: Project Code (Site Code)
Alias Name: 19820019
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Standard Voluntary Agreement
Completed Date: 02/10/2000
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 11/13/2017
Comments: Received letter from LAUSD re: Payment of Balance for Disputed 2014 Invoices.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Amendment - Order/Agreement
Completed Date: 11/06/2013
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 05/18/2015
Comments: Letter sent by LAUSD requesting compliance status of facilities in the vicinity of district schools.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Letter - Demand
Completed Date: 02/16/2012
Comments: First Collection Letter Inv# I00937, J01444, 04SM2023, 05SM1035 and 05SM1885.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported

LAUSD MASTER AGREEMENT (Continued) **S111752578**

Completed Document Type:	Letter - Demand
Completed Date:	03/23/2012
Comments:	2nd Collection Letter for Invoices I00937, J01444, 04SM2023, 05SM1035 and 05SM1885.
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	School Cleanup Agreement
Completed Date:	06/17/2013
Comments:	Fully executed MSCA sent (FedEx) to District.
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Environmental Oversight Agreement
Completed Date:	04/29/2013
Comments:	Fully executed sent (FedEx) to District.
Future Area Name:	Not reported
Future Sub Area Name:	Not reported
Future Document Type:	Not reported
Future Due Date:	Not reported
Schedule Area Name:	Not reported
Schedule Sub Area Name:	Not reported
Schedule Document Type:	Not reported
Schedule Due Date:	Not reported
Schedule Revised Date:	Not reported

SCH:

Name:	LAUSD MASTER AGREEMENT
Address:	1449 SOUTH SAN PEDRO STREET
City,State,Zip:	LOS ANGELES, CA 90015
Facility ID:	19820019
Site Type:	School Investigation
Site Type Detail:	School
Site Mgmt. Req.:	NONE SPECIFIED
Acres:	0
National Priorities List:	NO
Cleanup Oversight Agencies:	SMBRP
Lead Agency:	SMBRP
Lead Agency Description:	DTSC - Site Cleanup Program
Project Manager:	Shahir Haddad
Supervisor:	Shahir Haddad
Division Branch:	Southern California Schools & Brownfields Outreach
Site Code:	300774
Assembly:	53
Senate:	30
Special Program Status:	Voluntary Agreement - Standard Voluntary Agreement
Status:	Active
Status Date:	07/01/1998
Restricted Use:	NO
Funding:	School District
Latitude:	34.03085
Longitude:	-118.2553
APN:	NONE SPECIFIED
Past Use:	* EDUCATIONAL SERVICES
Potential COC:	NONE SPECIFIED

LAUSD MASTER AGREEMENT (Continued) **S111752578**

Confirmed COC: NONE SPECIFIED
Potential Description: NONE SPECIFIED
Alias Name: LAUSD
Alias Type: Alternate Name
Alias Name: LAUSD MASTER AGREEMENT
Alias Type: Alternate Name
Alias Name: LOS ANGELES UNIFIED SCHOOL DISTRICT
Alias Type: Alternate Name
Alias Name: 300774
Alias Type: Project Code (Site Code)
Alias Name: 19820019
Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Standard Voluntary Agreement
Completed Date: 02/10/2000
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 11/13/2017
Comments: Received letter from LAUSD re: Payment of Balance for Disputed 2014 Invoices.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Amendment - Order/Agreement
Completed Date: 11/06/2013
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 05/18/2015
Comments: Letter sent by LAUSD requesting compliance status of facilities in the vicinity of district schools.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Letter - Demand
Completed Date: 02/16/2012
Comments: First Collection Letter Inv# I00937, J01444, 04SM2023, 05SM1035 and 05SM1885.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Letter - Demand
Completed Date: 03/23/2012
Comments: 2nd Collection Letter for Invoices I00937, J01444, 04SM2023, 05SM1035 and 05SM1885.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: School Cleanup Agreement
Completed Date: 06/17/2013

LAUSD MASTER AGREEMENT (Continued) **S111752578**

Comments:	Fully executed MSCA sent (FedEx) to District.
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Environmental Oversight Agreement
Completed Date:	04/29/2013
Comments:	Fully executed sent (FedEx) to District.
Future Area Name:	Not reported
Future Sub Area Name:	Not reported
Future Document Type:	Not reported
Future Due Date:	Not reported
Schedule Area Name:	Not reported
Schedule Sub Area Name:	Not reported
Schedule Document Type:	Not reported
Schedule Due Date:	Not reported
Schedule Revised Date:	Not reported

BB300 **SHAMROCK IRON & METAL** **ENVIROSTOR** **S103638975**
South **1949 S. ALAMEDA AVE.** **N/A**
1/2-1 **LOS ANGELES, CA 90058**
0.904 mi.
4773 ft. **Site 1 of 2 in cluster BB**

Relative: **Lower**

Actual: **225 ft.**

ENVIROSTOR:

Name:	SHAMROCK IRON & METAL
Address:	1949 S. ALAMEDA AVE.
City,State,Zip:	LOS ANGELES, CA 90058
Facility ID:	60001672
Status:	No Further Action
Status Date:	01/27/1998
Site Code:	Not reported
Site Type:	Evaluation
Site Type Detailed:	Evaluation
Acres:	0
NPL:	NO
Regulatory Agencies:	LOS ANGELES COUNTY
Lead Agency:	LOS ANGELES COUNTY
Program Manager:	Not reported
Supervisor:	Douglas Bautista
Division Branch:	Cleanup Cypress
Assembly:	46
Senate:	30
Special Program:	Not reported
Restricted Use:	NO
Site Mgmt Req:	NONE SPECIFIED
Funding:	EPA Grant
Latitude:	34.01884
Longitude:	-118.2401
APN:	NONE SPECIFIED
Past Use:	NONE SPECIFIED
Potential COC:	Copper and compounds Lead, Organic (tetraethyl lead Nickel Zinc
Confirmed COC:	Lead, Organic (tetraethyl lead Copper and compounds Zinc Nickel
Potential Description:	NONE SPECIFIED
Alias Name:	60001672
Alias Type:	Envirostor ID Number

Completed Info:

SHAMROCK IRON & METAL (Continued) **S103638975**

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Site Screening
Completed Date:	01/27/1998
Comments:	Not reported
Future Area Name:	Not reported
Future Sub Area Name:	Not reported
Future Document Type:	Not reported
Future Due Date:	Not reported
Schedule Area Name:	Not reported
Schedule Sub Area Name:	Not reported
Schedule Document Type:	Not reported
Schedule Due Date:	Not reported
Schedule Revised Date:	Not reported

301
SSW
1/2-1
0.935 mi.
4938 ft.

Relative:
Lower

Actual:
225 ft.

DEWITT PETROLEUM - JEDI 4
2015 LONG BEACH AVE
LOS ANGELES, CA 90058

ENVIROSTOR **S106387181**
CPS-SLIC **N/A**
HAZNET
LA Co. Site Mitigation
CERS
HWTS

ENVIROSTOR:

Name:	SHELL OIL CO. - LOS ANGELES PLANT
Address:	2015 LONG BEACH AVENUE
City,State,Zip:	LOS ANGELES, CA 90058
Facility ID:	71002134
Status:	Refer: Other Agency
Status Date:	Not reported
Site Code:	Not reported
Site Type:	Tiered Permit
Site Type Detailed:	Tiered Permit
Acres:	Not reported
NPL:	NO
Regulatory Agencies:	NONE SPECIFIED
Lead Agency:	NONE SPECIFIED
Program Manager:	Not reported
Supervisor:	Not reported
Division Branch:	Cleanup Chatsworth
Assembly:	59
Senate:	30
Special Program:	Not reported
Restricted Use:	NO
Site Mgmt Req:	NONE SPECIFIED
Funding:	Not reported
Latitude:	34.01869
Longitude:	-118.2437
APN:	NONE SPECIFIED
Past Use:	NONE SPECIFIED
Potential COC:	NONE SPECIFIED
Confirmed COC:	NONE SPECIFIED
Potential Description:	NONE SPECIFIED
Alias Name:	CAD001687557
Alias Type:	EPA Identification Number
Alias Name:	110000474031
Alias Type:	EPA (FRS #)
Alias Name:	71002134

DEWITT PETROLEUM - JEDI 4 (Continued) **S106387181**

Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: Not reported
Completed Sub Area Name: Not reported
Completed Document Type: Not reported
Completed Date: Not reported
Comments: Not reported

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

SLIC REG 4:
Region: 4
Facility Status: No further action required
SLIC: 1002
Substance: TPH/BTEX
Staff: CO

CPS-SLIC:
Name: EQUILON BULK FUEL DISTRIBUTION TERMINAL
Address: 2015 LONG BEACH AVE
City,State,Zip: LOS ANGELES, CA
Region: STATE
Facility Status: Completed - Case Closed
Status Date: 09/16/2002
Global Id: SL377482486
Lead Agency: LOS ANGELES RWQCB (REGION 4)
Lead Agency Case Number: Not reported
Latitude: 34.01772
Longitude: -118.241968
Case Type: Cleanup Program Site
Case Worker: Not reported
Local Agency: Not reported
RB Case Number: 1002
File Location: Not reported
Potential Media Affected: Not reported
Potential Contaminants of Concern: Not reported
Site History: Not reported

Click here to access the California GeoTracker records for this facility:

HAZNET:
Name: DEWITT PETROLEUM - JEDI 4
Address: 2015 LONG BEACH AVE
Address 2: Not reported
City,State,Zip: LOS ANGELES, CA 90058
Contact: BRIAN DECKER
Telephone: 6264442691

DEWITT PETROLEUM - JEDI 4 (Continued) **S106387181**

Mailing Name:	Not reported
Mailing Address:	1903 DURFEE AVE
Year:	2013
Gepaid:	CAC002720695
TSD EPA ID:	CAT080013352
CA Waste Code:	241 - Tank bottom waste
Disposal Method:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Tons:	6.255

Additional Info:

Year:	2013
Gen EPA ID:	CAC002720695
Shipment Date:	20130221
Creation Date:	4/22/2013 22:15:05
Receipt Date:	20130301
Manifest ID:	010396294JJK
Trans EPA ID:	CAR000189431
Trans Name:	ADAMS SERVICES INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	DEMENNO/KERDOON
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	241 - Tank bottom waste 251 Still bottoms with halogenated organics
RCRA Code:	Not reported
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	6.255
Waste Quantity:	1500
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

LA Co. Site Mitigation:

Name:	SHELL OIL BULK FUEL FACILITY
Address:	2015 LONG BEACH AVE
City,State,Zip:	LOS ANGELES, CA 90058
Facility ID:	FA0016493
Status:	Not reported
Site ID:	SD0010397
Jurisdiction:	State
Case ID:	RO0010397
Abated:	Yes
Assigned To:	GB
Entered Date:	05/11/2004
Abated Date:	11/16/1995

DEWITT PETROLEUM - JEDI 4 (Continued) **S106387181**

CERS:

Name:	EQUILON BULK FUEL DISTRIBUTION TERMINAL
Address:	2015 LONG BEACH AVE
City,State,Zip:	LOS ANGELES, CA
Site ID:	244777
CERS ID:	SL377482486
CERS Description:	Cleanup Program Site

HWTS:

Name:	DEWITT PETROLEUM - JEDI 4
Address:	2015 LONG BEACH AVE
Address 2:	Not reported
City,State,Zip:	LOS ANGELES, CA 90058
EPA ID:	CAC002720695
Inactive Date:	05/17/2013
Create Date:	02/15/2013
Last Act Date:	Not reported
Mailing Name:	Not reported
Mailing Address:	1903 DURFEE AVE
Mailing Address 2:	Not reported
Mailing City,State,Zip:	SOUTH EL MONTE, CA 91733
Owner Name:	J.E. DEWITT INC.
Owner Address:	1903 DURFEE AVE
Owner Address 2:	Not reported
Owner City,State,Zip:	SOUTH EL MONTE, CA 91733
Contact Name:	BRIAN DECKER
Contact Address:	1903 DURFEE AVE
Contact Address 2:	Not reported
City,State,Zip:	SOUTH EL MONTE, CA 91733
Facility Status:	Inactive
Facility Type:	TEMPORARY
Category:	STATE
Latitude:	34.01869
Longitude:	-118.24375

NAICS:

EPA ID:	CAC002720695
Create Date:	2013-02-15 11:21:28.237
NAICS Code:	42272
NAICS Description:	Petroleum and Petroleum Products Wholesalers (except Bulk Stations and Terminals)
Issued EPA ID Date:	2013-02-15 11:21:28.26000
Inactive Date:	2013-05-17 11:21:28.21700
Facility Name:	DEWITT PETROLEUM - JEDI 4
Facility Address:	2015 LONG BEACH AVE
Facility Address 2:	Not reported
Facility City:	LOS ANGELES
Facility County:	Not reported
Facility State:	CA
Facility Zip:	90058

302
South
1/2-1
0.945 mi.
4990 ft.

LOS ANGELES MEDICAL DEPOT
LOS ANGELES, CA

FUDS **1009484707**
N/A

Relative:
Lower

Actual:
224 ft.

FUDS:

EPA Region:	09
Installation ID:	CA99799F550900
Congressional District Number:	40
Name:	LOS ANGELES MEDICAL DEPOT
FUDS Number:	J09CA0454
City:	LOS ANGELES
State:	CA
County:	LOS ANGELES
Object ID:	5792
USACE Division:	SPD
USACE District:	Los Angeles District (SPL)
Status:	Properties with all projects at site closeout
Current Owner:	Not reported
EMS Map Link:	https://fudsportal.usace.army.mil/ems/inventory/map?id=61120
Eligibility:	Eligible
Has Projects:	Yes
NPL Status:	Not reported
Project Required:	Yes
Feature Description:	In April 1942, the Army acquired 3.45 acres in downtown Los Angeles by lease from the Mack International Motor Truck Company for use as a medical depot. An additional 0.16 acres located across the street at the northeast corner of 20th and McGarry was obtained by lease from the City of Los Angeles.
Latitude:	34.01805556
Longitude:	-118.24055556

FUDS Detail as of Jan 2015:

Fiscal Year:	2013
Federal Facility ID:	CA9799F5509
RAB:	Not reported
NPL Status:	Not Listed
Description:	This 3.61-acre site is located in downtown Los Angeles, California, on the south side of 20th Street between Long Beach Boulevard and Alameda Street, and at the northeast corner of the intersection of 20th and McGarry Street, in the County of Los Angeles. The property is owned by several private entities.
History:	In April 1942, the Army acquired 3.45 acres in downtown Los Angeles by lease from the Mack International Motor Truck Company for use as a medical depot. An additional 0.16 acres located across the street at the northeast corner of 20th and McGarry was obtained by lease from the City of Los Angeles.
CTC:	118
Current Program:	Not reported
Future Program:	Not reported
Institutional ID:	61120

BB303 **LA MED DEPOT** **ENVIROSTOR** **S107736569**
South **N/A**
1/2-1 **LOS ANGELES, CA**
0.945 mi.
4991 ft. **Site 2 of 2 in cluster BB**

Relative: **Lower**

Actual: **224 ft.**

ENVIROSTOR:

Name:	LA MED DEPOT
Address:	Not reported
City,State,Zip:	LOS ANGELES, CA
Facility ID:	80000307
Status:	Inactive - Needs Evaluation
Status Date:	07/01/2005
Site Code:	Not reported
Site Type:	Military Evaluation
Site Type Detailed:	FUDS
Acres:	Not reported
NPL:	NO
Regulatory Agencies:	SMBRP
Lead Agency:	SMBRP
Program Manager:	Not reported
Supervisor:	Douglas Bautista
Division Branch:	Cleanup Cypress
Assembly:	59
Senate:	30
Special Program:	Not reported
Restricted Use:	NO
Site Mgmt Req:	NONE SPECIFIED
Funding:	DERA
Latitude:	34.01805
Longitude:	-118.2405
APN:	NONE SPECIFIED
Past Use:	NONE SPECIFIED
Potential COC:	NONE SPECIFIED
Confirmed COC:	NONE SPECIFIED
Potential Description:	NONE SPECIFIED
Alias Name:	CA99799F550900
Alias Type:	Federal Facility ID
Alias Name:	J09CA0454
Alias Type:	INPR
Alias Name:	80000307
Alias Type:	Envirostor ID Number

Completed Info:

Completed Area Name:	Not reported
Completed Sub Area Name:	Not reported
Completed Document Type:	Not reported
Completed Date:	Not reported
Comments:	Not reported
Future Area Name:	Not reported
Future Sub Area Name:	Not reported
Future Document Type:	Not reported
Future Due Date:	Not reported
Schedule Area Name:	Not reported
Schedule Sub Area Name:	Not reported
Schedule Document Type:	Not reported
Schedule Due Date:	Not reported
Schedule Revised Date:	Not reported

304
WSW
1/2-1
0.964 mi.
5088 ft.

CALIFORNIA SWATCH DRYERS, INC
776 E. WASHINGTON BLVD
LOS ANGELES, CA 90021

ENVIROSTOR **S124636523**
HWTS **N/A**

Relative:
Lower

Actual:
227 ft.

ENVIROSTOR:

Name:	CALIFORNIA SWATCH DRYERS, INC
Address:	776 E. WASHINGTON BLVD
City,State,Zip:	LOS ANGELES, CA 90021
Facility ID:	60003308
Status:	Active
Status Date:	04/01/2022
Site Code:	308014
Site Type:	Evaluation
Site Type Detailed:	Evaluation
Acres:	0.16
NPL:	NO
Regulatory Agencies:	SMBRP
Lead Agency:	SMBRP
Program Manager:	Marissa Cozette
Supervisor:	Marissa Cozette
Division Branch:	CVCI Discovery and Enforcement
Assembly:	, 59
Senate:	, 30
Special Program:	CVCI - Discovery and Enforcement
Restricted Use:	NO
Site Mgmt Req:	NONE SPECIFIED
Funding:	CVCI 2021
Latitude:	34.02637
Longitude:	-118.2552
APN:	5131007002
Past Use:	DRY CLEANING
Potential COC:	Tetrachloroethylene (PCE Trichloroethylene (TCE Vinyl chloride 1,2-Dichloroethylene (cis 1,2-Dichloroethylene (trans
Confirmed COC:	30022-NO 30027-NO 30028-NO 30195-NO 30196-NO
Potential Description:	NONE SPECIFIED
Alias Name:	5131007002
Alias Type:	APN
Alias Name:	308014
Alias Type:	Project Code (Site Code)
Alias Name:	60003308
Alias Type:	Envirostor ID Number

Completed Info:

Completed Area Name:	Not reported
Completed Sub Area Name:	Not reported
Completed Document Type:	Not reported
Completed Date:	Not reported
Comments:	Not reported
Future Area Name:	Not reported
Future Sub Area Name:	Not reported
Future Document Type:	Not reported
Future Due Date:	Not reported
Schedule Area Name:	PROJECT WIDE
Schedule Sub Area Name:	Not reported
Schedule Document Type:	Phase 1
Schedule Due Date:	10/31/2022
Schedule Revised Date:	Not reported

CALIFORNIA SWATCH DRYERS, INC (Continued) **S124636523**

HWTS:

Name:	CALIFORNIA SWATCH DRYERS, INC
Address:	776 E. WASHINGTON BLVD
Address 2:	Not reported
City,State,Zip:	LOS ANGELES, CA 90021
EPA ID:	CAC002822722
Inactive Date:	10/19/2015
Create Date:	07/20/2015
Last Act Date:	Not reported
Mailing Name:	Not reported
Mailing Address:	776 E. WASHINGTON BLVD
Mailing Address 2:	Not reported
Mailing City,State,Zip:	LOS ANGELES, CA 90021
Owner Name:	CALIFORNIA SWATCH DYERS, INC
Owner Address:	776 E. WASHINGTON BLVD
Owner Address 2:	Not reported
Owner City,State,Zip:	LOS ANGELES, CA 90021
Contact Name:	DELIA PINEDA
Contact Address:	776 E. WASHINGTON BLVD
Contact Address 2:	Not reported
City,State,Zip:	LOS ANGELES, CA 90021
Facility Status:	Inactive
Facility Type:	TEMPORARY
Category:	STATE
Latitude:	34.026559
Longitude:	-118.255337

NAICS:

EPA ID:	CAC002822722
Create Date:	2015-07-20 14:58:33.173
NAICS Code:	313311
NAICS Description:	Broadwoven Fabric Finishing Mills
Issued EPA ID Date:	2015-07-20 14:58:33.18000
Inactive Date:	2015-10-19 14:58:33.16000
Facility Name:	CALIFORNIA SWATCH DRYERS, INC
Facility Address:	776 E. WASHINGTON BLVD
Facility Address 2:	Not reported
Facility City:	LOS ANGELES
Facility County:	Not reported
Facility State:	CA
Facility Zip:	90021

Count: 9 records. ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
LOS ANGELES	S129057452	2209 & 2211 S SANTA FE LLC	2209 & 2211 SOUTH SANTA FE AVE	90058	CPS-SLIC, CERS
LOS ANGELES	S128568395	ACTA NORTH - PARCEL NE-019-SFGS	2214 & 2226 S SANTA FE AVE.	90058	CPS-SLIC
LOS ANGELES	S101481079	CALTRANS I-105 FRWY PROJ 2,PCLS 10	BETWEEN HAWTHORNE BLVD & LONG	90012	RESPONSE, ENVIROSTOR
LOS ANGELES	S128885712	VERNON PERCHLORATE DISCOVERY	BOUND BY HWY 10, E 8TH ST., AN	90021	ENVIROSTOR
LOS ANGELES	S106387114	ACTA NORTH - PARCEL NE-009-SFGS	2056 &2058 SANTA FE	90021	CPS-SLIC
LOS ANGELES	S106387106	ACTA NORTH - PARCEL NE-029-SFGS	2418 &2420 SANTA FE	90058	CPS-SLIC
LOS ANGELES	S106387105	ACTA NORTH - PARCEL NE-019-SFGS	2214 &2226 SANTA FE	90058	CPS-SLIC
LOS ANGELES (CITY)	S126983565	LOS ANGELES RIVER IDS (2136)	2 SITES 6TH ST + 8TH STREET AT	90021	SWF/LF
VARIOUS	S122874375	EXIDE PARKWAYS RESIDENTIAL	VARIOUS LOCATIONS IN THE COUNT	90058	RESPONSE, ENVIROSTOR, Cortese

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

To maintain currency of the following federal and state databases, EDR contacts the appropriate governmental agency on a monthly or quarterly basis, as required.

Number of Days to Update: Provides confirmation that EDR is reporting records that have been updated within 90 days from the date the government agency made the information available to the public.

STANDARD ENVIRONMENTAL RECORDS

Lists of Federal NPL (Superfund) sites

NPL: National Priority List
National Priorities List (Superfund). The NPL is a subset of CERCLIS and identifies over 1,200 sites for priority cleanup under the Superfund Program. NPL sites may encompass relatively large areas. As such, EDR provides polygon coverage for over 1,000 NPL site boundaries produced by EPA's Environmental Photographic Interpretation Center (EPIC) and regional EPA offices.

Date of Government Version: 01/25/2023
Date Data Arrived at EDR: 02/03/2023
Date Made Active in Reports: 02/28/2023
Number of Days to Update: 25

Source: EPA
Telephone: N/A
Last EDR Contact: 03/01/2023
Next Scheduled EDR Contact: 04/10/2023
Data Release Frequency: Quarterly

NPL Site Boundaries

Sources:

EPA's Environmental Photographic Interpretation Center (EPIC)
Telephone: 202-564-7333

EPA Region 1
Telephone 617-918-1143

EPA Region 3
Telephone 215-814-5418

EPA Region 4
Telephone 404-562-8033

EPA Region 5
Telephone 312-886-6686

EPA Region 10
Telephone 206-553-8665

EPA Region 6
Telephone: 214-655-6659

EPA Region 7
Telephone: 913-551-7247

EPA Region 8
Telephone: 303-312-6774

EPA Region 9
Telephone: 415-947-4246

Proposed NPL: Proposed National Priority List Sites
A site that has been proposed for listing on the National Priorities List through the issuance of a proposed rule in the Federal Register. EPA then accepts public comments on the site, responds to the comments, and places on the NPL those sites that continue to meet the requirements for listing.

Date of Government Version: 01/25/2023
Date Data Arrived at EDR: 02/02/2023
Date Made Active in Reports: 02/28/2023
Number of Days to Update: 26

Source: EPA
Telephone: N/A
Last EDR Contact: 03/01/2023
Next Scheduled EDR Contact: 04/10/2023
Data Release Frequency: Quarterly

NPL LIENS: Federal Superfund Liens
Federal Superfund Liens. Under the authority granted the USEPA by CERCLA of 1980, the USEPA has the authority to file liens against real property in order to recover remedial action expenditures or when the property owner received notification of potential liability. USEPA compiles a listing of filed notices of Superfund Liens.

Date of Government Version: 10/15/1991
Date Data Arrived at EDR: 02/02/1994
Date Made Active in Reports: 03/30/1994
Number of Days to Update: 56

Source: EPA
Telephone: 202-564-4267
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: No Update Planned

Lists of Federal Delisted NPL sites

Delisted NPL: National Priority List Deletions

The National Oil and Hazardous Substances Pollution Contingency Plan (NCP) establishes the criteria that the EPA uses to delete sites from the NPL. In accordance with 40 CFR 300.425.(e), sites may be deleted from the NPL where no further response is appropriate.

Date of Government Version: 01/25/2023
Date Data Arrived at EDR: 02/02/2023
Date Made Active in Reports: 02/28/2023
Number of Days to Update: 26

Source: EPA
Telephone: N/A
Last EDR Contact: 03/01/2023
Next Scheduled EDR Contact: 04/10/2023
Data Release Frequency: Quarterly

Lists of Federal sites subject to CERCLA removals and CERCLA orders

FEDERAL FACILITY: Federal Facility Site Information listing

A listing of National Priority List (NPL) and Base Realignment and Closure (BRAC) sites found in the Comprehensive Environmental Response, Compensation and Liability Information System (CERCLIS) Database where EPA Federal Facilities Restoration and Reuse Office is involved in cleanup activities.

Date of Government Version: 12/20/2022
Date Data Arrived at EDR: 12/21/2022
Date Made Active in Reports: 03/10/2023
Number of Days to Update: 79

Source: Environmental Protection Agency
Telephone: 703-603-8704
Last EDR Contact: 12/21/2022
Next Scheduled EDR Contact: 04/10/2023
Data Release Frequency: Varies

SEMS: Superfund Enterprise Management System

SEMS (Superfund Enterprise Management System) tracks hazardous waste sites, potentially hazardous waste sites, and remedial activities performed in support of EPA's Superfund Program across the United States. The list was formerly know as CERCLIS, renamed to SEMS by the EPA in 2015. The list contains data on potentially hazardous waste sites that have been reported to the USEPA by states, municipalities, private companies and private persons, pursuant to Section 103 of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). This dataset also contains sites which are either proposed to or on the National Priorities List (NPL) and the sites which are in the screening and assessment phase for possible inclusion on the NPL.

Date of Government Version: 01/25/2023
Date Data Arrived at EDR: 02/02/2023
Date Made Active in Reports: 02/28/2023
Number of Days to Update: 26

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 03/01/2023
Next Scheduled EDR Contact: 04/24/2023
Data Release Frequency: Quarterly

Lists of Federal CERCLA sites with NFRAP

SEMS-ARCHIVE: Superfund Enterprise Management System Archive

SEMS-ARCHIVE (Superfund Enterprise Management System Archive) tracks sites that have no further interest under the Federal Superfund Program based on available information. The list was formerly known as the CERCLIS-NFRAP, renamed to SEMS ARCHIVE by the EPA in 2015. EPA may perform a minimal level of assessment work at a site while it is archived if site conditions change and/or new information becomes available. Archived sites have been removed and archived from the inventory of SEMS sites. Archived status indicates that, to the best of EPA's knowledge, assessment at a site has been completed and that EPA has determined no further steps will be taken to list the site on the National Priorities List (NPL), unless information indicates this decision was not appropriate or other considerations require a recommendation for listing at a later time. The decision does not necessarily mean that there is no hazard associated with a given site; it only means that. based upon available information, the location is not judged to be potential NPL site.

Date of Government Version: 01/25/2023
Date Data Arrived at EDR: 02/02/2023
Date Made Active in Reports: 02/28/2023
Number of Days to Update: 26

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 03/01/2023
Next Scheduled EDR Contact: 04/24/2023
Data Release Frequency: Quarterly

Lists of Federal RCRA facilities undergoing Corrective Action

CORRACTS: Corrective Action Report

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 11/21/2022
Date Data Arrived at EDR: 11/21/2022
Date Made Active in Reports: 12/05/2022
Number of Days to Update: 14

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 03/09/2023
Next Scheduled EDR Contact: 04/03/2023
Data Release Frequency: Quarterly

Lists of Federal RCRA TSD facilities

RCRA-TSDF: RCRA - Treatment, Storage and Disposal

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Transporters are individuals or entities that move hazardous waste from the generator offsite to a facility that can recycle, treat, store, or dispose of the waste. TSDFs treat, store, or dispose of the waste.

Date of Government Version: 11/21/2022
Date Data Arrived at EDR: 11/21/2022
Date Made Active in Reports: 12/05/2022
Number of Days to Update: 14

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 03/09/2023
Next Scheduled EDR Contact: 04/03/2023
Data Release Frequency: Quarterly

Lists of Federal RCRA generators

RCRA-LQG: RCRA - Large Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Large quantity generators (LQGs) generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month.

Date of Government Version: 11/21/2022
Date Data Arrived at EDR: 11/21/2022
Date Made Active in Reports: 12/05/2022
Number of Days to Update: 14

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 03/09/2023
Next Scheduled EDR Contact: 04/03/2023
Data Release Frequency: Quarterly

RCRA-SQG: RCRA - Small Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month.

Date of Government Version: 11/21/2022
Date Data Arrived at EDR: 11/21/2022
Date Made Active in Reports: 12/05/2022
Number of Days to Update: 14

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 03/09/2023
Next Scheduled EDR Contact: 04/03/2023
Data Release Frequency: Quarterly

RCRA-VSQG: RCRA - Very Small Quantity Generators (Formerly Conditionally Exempt Small Quantity Generators)

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Very small quantity generators (VSQGs) generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month.

Date of Government Version: 11/21/2022
Date Data Arrived at EDR: 11/21/2022
Date Made Active in Reports: 12/05/2022
Number of Days to Update: 14

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 03/09/2023
Next Scheduled EDR Contact: 04/03/2023
Data Release Frequency: Quarterly

Federal institutional controls / engineering controls registries

LUCIS: Land Use Control Information System

LUCIS contains records of land use control information pertaining to the former Navy Base Realignment and Closure properties.

Date of Government Version: 11/02/2022
Date Data Arrived at EDR: 11/08/2022
Date Made Active in Reports: 01/10/2023
Number of Days to Update: 63

Source: Department of the Navy
Telephone: 843-820-7326
Last EDR Contact: 02/03/2023
Next Scheduled EDR Contact: 05/22/2023
Data Release Frequency: Varies

US ENG CONTROLS: Engineering Controls Sites List

A listing of sites with engineering controls in place. Engineering controls include various forms of caps, building foundations, liners, and treatment methods to create pathway elimination for regulated substances to enter environmental media or effect human health.

Date of Government Version: 10/27/2022
Date Data Arrived at EDR: 11/16/2022
Date Made Active in Reports: 02/09/2023
Number of Days to Update: 85

Source: Environmental Protection Agency
Telephone: 703-603-0695
Last EDR Contact: 02/21/2023
Next Scheduled EDR Contact: 06/05/2023
Data Release Frequency: Varies

US INST CONTROLS: Institutional Controls Sites List

A listing of sites with institutional controls in place. Institutional controls include administrative measures, such as groundwater use restrictions, construction restrictions, property use restrictions, and post remediation care requirements intended to prevent exposure to contaminants remaining on site. Deed restrictions are generally required as part of the institutional controls.

Date of Government Version: 10/27/2022
Date Data Arrived at EDR: 11/16/2022
Date Made Active in Reports: 02/09/2023
Number of Days to Update: 85

Source: Environmental Protection Agency
Telephone: 703-603-0695
Last EDR Contact: 02/21/2023
Next Scheduled EDR Contact: 06/05/2023
Data Release Frequency: Varies

Federal ERNS list

ERNS: Emergency Response Notification System

Emergency Response Notification System. ERNS records and stores information on reported releases of oil and hazardous substances.

Date of Government Version: 12/12/2022
Date Data Arrived at EDR: 12/14/2022
Date Made Active in Reports: 12/19/2022
Number of Days to Update: 5

Source: National Response Center, United States Coast Guard
Telephone: 202-267-2180
Last EDR Contact: 12/14/2022
Next Scheduled EDR Contact: 04/03/2023
Data Release Frequency: Quarterly

Lists of state- and tribal (Superfund) equivalent sites

RESPONSE: State Response Sites

Identifies confirmed release sites where DTSC is involved in remediation, either in a lead or oversight capacity. These confirmed release sites are generally high-priority and high potential risk.

Date of Government Version: 10/24/2022
Date Data Arrived at EDR: 10/24/2022
Date Made Active in Reports: 01/12/2023
Number of Days to Update: 80

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 01/24/2023
Next Scheduled EDR Contact: 05/08/2023
Data Release Frequency: Quarterly

Lists of state- and tribal hazardous waste facilities

ENVIROSTOR: EnviroStor Database

The Department of Toxic Substances Control's (DTSC's) Site Mitigation and Brownfields Reuse Program's (SMBRP's) EnviroStor database identifes sites that have known contamination or sites for which there may be reasons to investigate further. The database includes the following site types: Federal Superfund sites (National Priorities List (NPL)); State Response, including Military Facilities and State Superfund; Voluntary Cleanup; and School sites. EnviroStor provides similar information to the information that was available in CalSites, and provides additional site information, including, but not limited to, identification of formerly-contaminated properties that have been released for reuse, properties where environmental deed restrictions have been recorded to prevent inappropriate land uses, and risk characterization information that is used to assess potential impacts to public health and the environment at contaminated sites.

Date of Government Version: 10/24/2022
Date Data Arrived at EDR: 10/24/2022
Date Made Active in Reports: 01/12/2023
Number of Days to Update: 80

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 01/24/2023
Next Scheduled EDR Contact: 05/08/2023
Data Release Frequency: Quarterly

Lists of state and tribal landfills and solid waste disposal facilities

SWF/LF (SWIS): Solid Waste Information System

Active, Closed and Inactive Landfills. SWF/LF records typically contain an inve ntory of solid waste disposal facilities or landfills. These may be active or i nactive facilities or open dumps that failed to meet RCRA Section 4004 criteria for solid waste landfills or disposal sites.

Date of Government Version: 11/03/2022
Date Data Arrived at EDR: 11/03/2022
Date Made Active in Reports: 01/25/2023
Number of Days to Update: 83

Source: Department of Resources Recycling and Recovery
Telephone: 916-341-6320
Last EDR Contact: 02/07/2023
Next Scheduled EDR Contact: 05/22/2023
Data Release Frequency: Quarterly

Lists of state and tribal leaking storage tanks

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

LUST REG 3: Leaking Underground Storage Tank Database
Leaking Underground Storage Tank locations. Monterey, San Benito, San Luis Obispo, Santa Barbara, Santa Cruz counties.

Date of Government Version: 05/19/2003
Date Data Arrived at EDR: 05/19/2003
Date Made Active in Reports: 06/02/2003
Number of Days to Update: 14

Source: California Regional Water Quality Control Board Central Coast Region (3)
Telephone: 805-542-4786
Last EDR Contact: 07/18/2011
Next Scheduled EDR Contact: 10/31/2011
Data Release Frequency: No Update Planned

LUST REG 4: Underground Storage Tank Leak List
Los Angeles, Ventura counties. For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 09/07/2004
Date Data Arrived at EDR: 09/07/2004
Date Made Active in Reports: 10/12/2004
Number of Days to Update: 35

Source: California Regional Water Quality Control Board Los Angeles Region (4)
Telephone: 213-576-6710
Last EDR Contact: 09/06/2011
Next Scheduled EDR Contact: 12/19/2011
Data Release Frequency: No Update Planned

LUST REG 6L: Leaking Underground Storage Tank Case Listing
For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 09/09/2003
Date Data Arrived at EDR: 09/10/2003
Date Made Active in Reports: 10/07/2003
Number of Days to Update: 27

Source: California Regional Water Quality Control Board Lahontan Region (6)
Telephone: 530-542-5572
Last EDR Contact: 09/12/2011
Next Scheduled EDR Contact: 12/26/2011
Data Release Frequency: No Update Planned

LUST REG 7: Leaking Underground Storage Tank Case Listing
Leaking Underground Storage Tank locations. Imperial, Riverside, San Diego, Santa Barbara counties.

Date of Government Version: 02/26/2004
Date Data Arrived at EDR: 02/26/2004
Date Made Active in Reports: 03/24/2004
Number of Days to Update: 27

Source: California Regional Water Quality Control Board Colorado River Basin Region (7)
Telephone: 760-776-8943
Last EDR Contact: 08/01/2011
Next Scheduled EDR Contact: 11/14/2011
Data Release Frequency: No Update Planned

LUST REG 8: Leaking Underground Storage Tanks
California Regional Water Quality Control Board Santa Ana Region (8). For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 02/14/2005
Date Data Arrived at EDR: 02/15/2005
Date Made Active in Reports: 03/28/2005
Number of Days to Update: 41

Source: California Regional Water Quality Control Board Santa Ana Region (8)
Telephone: 909-782-4496
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: No Update Planned

LUST REG 9: Leaking Underground Storage Tank Report
Orange, Riverside, San Diego counties. For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 03/01/2001
Date Data Arrived at EDR: 04/23/2001
Date Made Active in Reports: 05/21/2001
Number of Days to Update: 28

Source: California Regional Water Quality Control Board San Diego Region (9)
Telephone: 858-637-5595
Last EDR Contact: 09/26/2011
Next Scheduled EDR Contact: 01/09/2012
Data Release Frequency: No Update Planned

LUST: Leaking Underground Fuel Tank Report (GEOTRACKER)
Leaking Underground Storage Tank (LUST) Sites included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

Date of Government Version: 12/02/2022
Date Data Arrived at EDR: 12/02/2022
Date Made Active in Reports: 02/22/2023
Number of Days to Update: 82

Source: State Water Resources Control Board
Telephone: see region list
Last EDR Contact: 03/07/2023
Next Scheduled EDR Contact: 06/19/2023
Data Release Frequency: Quarterly

LUST REG 2: Fuel Leak List
Leaking Underground Storage Tank locations. Alameda, Contra Costa, Marin, Napa, San Francisco, San Mateo, Santa Clara, Solano, Sonoma counties.

Date of Government Version: 09/30/2004
Date Data Arrived at EDR: 10/20/2004
Date Made Active in Reports: 11/19/2004
Number of Days to Update: 30

Source: California Regional Water Quality Control Board San Francisco Bay Region (2)
Telephone: 510-622-2433
Last EDR Contact: 09/19/2011
Next Scheduled EDR Contact: 01/02/2012
Data Release Frequency: No Update Planned

LUST REG 1: Active Toxic Site Investigation
Del Norte, Humboldt, Lake, Mendocino, Modoc, Siskiyou, Sonoma, Trinity counties. For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 02/01/2001
Date Data Arrived at EDR: 02/28/2001
Date Made Active in Reports: 03/29/2001
Number of Days to Update: 29

Source: California Regional Water Quality Control Board North Coast (1)
Telephone: 707-570-3769
Last EDR Contact: 08/01/2011
Next Scheduled EDR Contact: 11/14/2011
Data Release Frequency: No Update Planned

LUST REG 6V: Leaking Underground Storage Tank Case Listing
Leaking Underground Storage Tank locations. Inyo, Kern, Los Angeles, Mono, San Bernardino counties.

Date of Government Version: 06/07/2005
Date Data Arrived at EDR: 06/07/2005
Date Made Active in Reports: 06/29/2005
Number of Days to Update: 22

Source: California Regional Water Quality Control Board Victorville Branch Office (6)
Telephone: 760-241-7365
Last EDR Contact: 09/12/2011
Next Scheduled EDR Contact: 12/26/2011
Data Release Frequency: No Update Planned

LUST REG 5: Leaking Underground Storage Tank Database
Leaking Underground Storage Tank locations. Alameda, Alpine, Amador, Butte, Colusa, Contra Costa, Calveras, El Dorado, Fresno, Glenn, Kern, Kings, Lake, Lassen, Madera, Mariposa, Merced, Modoc, Napa, Nevada, Placer, Plumas, Sacramento, San Joaquin, Shasta, Solano, Stanislaus, Sutter, Tehama, Tulare, Tuolumne, Yolo, Yuba counties.

Date of Government Version: 07/01/2008
Date Data Arrived at EDR: 07/22/2008
Date Made Active in Reports: 07/31/2008
Number of Days to Update: 9

Source: California Regional Water Quality Control Board Central Valley Region (5)
Telephone: 916-464-4834
Last EDR Contact: 07/01/2011
Next Scheduled EDR Contact: 10/17/2011
Data Release Frequency: No Update Planned

INDIAN LUST R1: Leaking Underground Storage Tanks on Indian Land
A listing of leaking underground storage tank locations on Indian Land.

Date of Government Version: 10/19/2022
Date Data Arrived at EDR: 12/06/2022
Date Made Active in Reports: 03/03/2023
Number of Days to Update: 87

Source: EPA Region 1
Telephone: 617-918-1313
Last EDR Contact: 01/17/2023
Next Scheduled EDR Contact: 05/01/2023
Data Release Frequency: Varies

INDIAN LUST R4: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Florida, Mississippi and North Carolina.

Date of Government Version: 11/26/2022
Date Data Arrived at EDR: 12/06/2022
Date Made Active in Reports: 03/03/2023
Number of Days to Update: 87

Source: EPA Region 4
Telephone: 404-562-8677
Last EDR Contact: 01/17/2023
Next Scheduled EDR Contact: 05/01/2023
Data Release Frequency: Varies

INDIAN LUST R7: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Iowa, Kansas, and Nebraska

Date of Government Version: 10/14/2022
Date Data Arrived at EDR: 12/06/2022
Date Made Active in Reports: 03/03/2023
Number of Days to Update: 87

Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 01/17/2023
Next Scheduled EDR Contact: 05/01/2023
Data Release Frequency: Varies

INDIAN LUST R8: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Colorado, Montana, North Dakota, South Dakota, Utah and Wyoming.

Date of Government Version: 11/23/2022
Date Data Arrived at EDR: 12/06/2022
Date Made Active in Reports: 03/03/2023
Number of Days to Update: 87

Source: EPA Region 8
Telephone: 303-312-6271
Last EDR Contact: 01/17/2023
Next Scheduled EDR Contact: 05/01/2023
Data Release Frequency: Varies

INDIAN LUST R9: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Arizona, California, New Mexico and Nevada

Date of Government Version: 11/23/2022
Date Data Arrived at EDR: 12/06/2022
Date Made Active in Reports: 03/03/2023
Number of Days to Update: 87

Source: Environmental Protection Agency
Telephone: 415-972-3372
Last EDR Contact: 01/17/2023
Next Scheduled EDR Contact: 05/01/2023
Data Release Frequency: Varies

INDIAN LUST R5: Leaking Underground Storage Tanks on Indian Land
Leaking underground storage tanks located on Indian Land in Michigan, Minnesota and Wisconsin.

Date of Government Version: 10/14/2022
Date Data Arrived at EDR: 12/06/2022
Date Made Active in Reports: 03/03/2023
Number of Days to Update: 87

Source: EPA, Region 5
Telephone: 312-886-7439
Last EDR Contact: 01/17/2023
Next Scheduled EDR Contact: 05/01/2023
Data Release Frequency: Varies

INDIAN LUST R6: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in New Mexico and Oklahoma.

Date of Government Version: 11/23/2022
Date Data Arrived at EDR: 12/06/2022
Date Made Active in Reports: 03/03/2023
Number of Days to Update: 87

Source: EPA Region 6
Telephone: 214-665-6597
Last EDR Contact: 01/17/2023
Next Scheduled EDR Contact: 05/01/2023
Data Release Frequency: Varies

INDIAN LUST R10: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Alaska, Idaho, Oregon and Washington.

Date of Government Version: 04/20/2022
Date Data Arrived at EDR: 06/13/2022
Date Made Active in Reports: 08/16/2022
Number of Days to Update: 64

Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 01/17/2023
Next Scheduled EDR Contact: 05/01/2023
Data Release Frequency: Varies

CPS-SLIC: Statewide SLIC Cases (GEOTRACKER)
Cleanup Program Sites (CPS; also known as Site Cleanups [SC] and formerly known as Spills, Leaks, Investigations, and Cleanups [SLIC] sites) included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

Date of Government Version: 12/02/2022
Date Data Arrived at EDR: 12/02/2022
Date Made Active in Reports: 02/22/2023
Number of Days to Update: 82

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 03/07/2023
Next Scheduled EDR Contact: 06/19/2023
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

SLIC REG 1: Active Toxic Site Investigations
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 04/03/2003
Date Data Arrived at EDR: 04/07/2003
Date Made Active in Reports: 04/25/2003
Number of Days to Update: 18

Source: California Regional Water Quality Control Board, North Coast Region (1)
Telephone: 707-576-2220
Last EDR Contact: 08/01/2011
Next Scheduled EDR Contact: 11/14/2011
Data Release Frequency: No Update Planned

SLIC REG 2: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 09/30/2004
Date Data Arrived at EDR: 10/20/2004
Date Made Active in Reports: 11/19/2004
Number of Days to Update: 30

Source: Regional Water Quality Control Board San Francisco Bay Region (2)
Telephone: 510-286-0457
Last EDR Contact: 09/19/2011
Next Scheduled EDR Contact: 01/02/2012
Data Release Frequency: No Update Planned

SLIC REG 3: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 05/18/2006
Date Data Arrived at EDR: 05/18/2006
Date Made Active in Reports: 06/15/2006
Number of Days to Update: 28

Source: California Regional Water Quality Control Board Central Coast Region (3)
Telephone: 805-549-3147
Last EDR Contact: 07/18/2011
Next Scheduled EDR Contact: 10/31/2011
Data Release Frequency: No Update Planned

SLIC REG 4: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 11/17/2004
Date Data Arrived at EDR: 11/18/2004
Date Made Active in Reports: 01/04/2005
Number of Days to Update: 47

Source: Region Water Quality Control Board Los Angeles Region (4)
Telephone: 213-576-6600
Last EDR Contact: 07/01/2011
Next Scheduled EDR Contact: 10/17/2011
Data Release Frequency: No Update Planned

SLIC REG 5: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 04/01/2005
Date Data Arrived at EDR: 04/05/2005
Date Made Active in Reports: 04/21/2005
Number of Days to Update: 16

Source: Regional Water Quality Control Board Central Valley Region (5)
Telephone: 916-464-3291
Last EDR Contact: 09/12/2011
Next Scheduled EDR Contact: 12/26/2011
Data Release Frequency: No Update Planned

SLIC REG 6V: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 05/24/2005
Date Data Arrived at EDR: 05/25/2005
Date Made Active in Reports: 06/16/2005
Number of Days to Update: 22

Source: Regional Water Quality Control Board, Victorville Branch
Telephone: 619-241-6583
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: No Update Planned

SLIC REG 6L: SLIC Sites
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 09/07/2004
Date Data Arrived at EDR: 09/07/2004
Date Made Active in Reports: 10/12/2004
Number of Days to Update: 35

Source: California Regional Water Quality Control Board, Lahontan Region
Telephone: 530-542-5574
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: No Update Planned

SLIC REG 7: SLIC List
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 11/24/2004
Date Data Arrived at EDR: 11/29/2004
Date Made Active in Reports: 01/04/2005
Number of Days to Update: 36

Source: California Regional Quality Control Board, Colorado River Basin Region
Telephone: 760-346-7491
Last EDR Contact: 08/01/2011
Next Scheduled EDR Contact: 11/14/2011
Data Release Frequency: No Update Planned

SLIC REG 8: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 04/03/2008
Date Data Arrived at EDR: 04/03/2008
Date Made Active in Reports: 04/14/2008
Number of Days to Update: 11

Source: California Region Water Quality Control Board Santa Ana Region (8)
Telephone: 951-782-3298
Last EDR Contact: 09/12/2011
Next Scheduled EDR Contact: 12/26/2011
Data Release Frequency: No Update Planned

SLIC REG 9: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 09/10/2007
Date Data Arrived at EDR: 09/11/2007
Date Made Active in Reports: 09/28/2007
Number of Days to Update: 17

Source: California Regional Water Quality Control Board San Diego Region (9)
Telephone: 858-467-2980
Last EDR Contact: 08/08/2011
Next Scheduled EDR Contact: 11/21/2011
Data Release Frequency: No Update Planned

Lists of state and tribal registered storage tanks

FEMA UST: Underground Storage Tank Listing
A listing of all FEMA owned underground storage tanks.

Date of Government Version: 10/14/2021
Date Data Arrived at EDR: 11/05/2021
Date Made Active in Reports: 02/01/2022
Number of Days to Update: 88

Source: FEMA
Telephone: 202-646-5797
Last EDR Contact: 12/28/2022
Next Scheduled EDR Contact: 04/17/2023
Data Release Frequency: Varies

MILITARY UST SITES: Military UST Sites (GEOTRACKER)
Military ust sites

Date of Government Version: 12/02/2022
Date Data Arrived at EDR: 12/02/2022
Date Made Active in Reports: 02/21/2023
Number of Days to Update: 81

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 03/07/2023
Next Scheduled EDR Contact: 06/19/2023
Data Release Frequency: Varies

UST CLOSURE: Proposed Closure of Underground Storage Tank (UST) Cases

UST cases that are being considered for closure by either the State Water Resources Control Board or the Executive Director have been posted for a 60-day public comment period. UST Case Closures being proposed for consideration by the State Water Resources Control Board. These are primarily UST cases that meet closure criteria under the decisional framework in State Water Board Resolution No. 92-49 and other Board orders. UST Case Closures proposed for consideration by the Executive Director pursuant to State Water Board Resolution No. 2012-0061. These are cases that meet the criteria of the Low-Threat UST Case Closure Policy. UST Case Closure Review Denials and Approved Orders.

Date of Government Version: 11/28/2022
Date Data Arrived at EDR: 12/02/2022
Date Made Active in Reports: 02/23/2023
Number of Days to Update: 83

Source: State Water Resources Control Board
Telephone: 916-327-7844
Last EDR Contact: 03/07/2023
Next Scheduled EDR Contact: 06/19/2023
Data Release Frequency: Varies

UST: Active UST Facilities

Active UST facilities gathered from the local regulatory agencies

Date of Government Version: 12/02/2022
Date Data Arrived at EDR: 12/02/2022
Date Made Active in Reports: 02/22/2023
Number of Days to Update: 82

Source: SWRCB
Telephone: 916-341-5851
Last EDR Contact: 03/07/2023
Next Scheduled EDR Contact: 06/19/2023
Data Release Frequency: Semi-Annually

AST: Aboveground Petroleum Storage Tank Facilities

A listing of aboveground storage tank petroleum storage tank locations.

Date of Government Version: 07/06/2016
Date Data Arrived at EDR: 07/12/2016
Date Made Active in Reports: 09/19/2016
Number of Days to Update: 69

Source: California Environmental Protection Agency
Telephone: 916-327-5092
Last EDR Contact: 03/09/2023
Next Scheduled EDR Contact: 06/26/2023
Data Release Frequency: Varies

INDIAN UST R6: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 6 (Louisiana, Arkansas, Oklahoma, New Mexico, Texas and 65 Tribes).

Date of Government Version: 11/23/2022
Date Data Arrived at EDR: 12/06/2022
Date Made Active in Reports: 03/03/2023
Number of Days to Update: 87

Source: EPA Region 6
Telephone: 214-665-7591
Last EDR Contact: 01/17/2023
Next Scheduled EDR Contact: 05/01/2023
Data Release Frequency: Varies

INDIAN UST R5: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 5 (Michigan, Minnesota and Wisconsin and Tribal Nations).

Date of Government Version: 10/14/2022
Date Data Arrived at EDR: 12/06/2022
Date Made Active in Reports: 03/03/2023
Number of Days to Update: 87

Source: EPA Region 5
Telephone: 312-886-6136
Last EDR Contact: 01/17/2023
Next Scheduled EDR Contact: 05/01/2023
Data Release Frequency: Varies

INDIAN UST R4: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 4 (Alabama, Florida, Georgia, Kentucky, Mississippi, North Carolina, South Carolina, Tennessee and Tribal Nations)

Date of Government Version: 11/23/2022
Date Data Arrived at EDR: 12/06/2022
Date Made Active in Reports: 03/03/2023
Number of Days to Update: 87

Source: EPA Region 4
Telephone: 404-562-9424
Last EDR Contact: 01/17/2023
Next Scheduled EDR Contact: 05/01/2023
Data Release Frequency: Varies

INDIAN UST R1: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 1 (Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, Vermont and ten Tribal Nations).

Date of Government Version: 10/19/2022
Date Data Arrived at EDR: 12/06/2022
Date Made Active in Reports: 03/03/2023
Number of Days to Update: 87

Source: EPA, Region 1
Telephone: 617-918-1313
Last EDR Contact: 01/17/2023
Next Scheduled EDR Contact: 05/01/2023
Data Release Frequency: Varies

INDIAN UST R9: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 9 (Arizona, California, Hawaii, Nevada, the Pacific Islands, and Tribal Nations).

Date of Government Version: 11/23/2022
Date Data Arrived at EDR: 12/06/2022
Date Made Active in Reports: 03/03/2023
Number of Days to Update: 87

Source: EPA Region 9
Telephone: 415-972-3368
Last EDR Contact: 01/17/2023
Next Scheduled EDR Contact: 05/01/2023
Data Release Frequency: Varies

INDIAN UST R8: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 8 (Colorado, Montana, North Dakota, South Dakota, Utah, Wyoming and 27 Tribal Nations).

Date of Government Version: 11/23/2022
Date Data Arrived at EDR: 12/06/2022
Date Made Active in Reports: 03/03/2023
Number of Days to Update: 87

Source: EPA Region 8
Telephone: 303-312-6137
Last EDR Contact: 01/17/2023
Next Scheduled EDR Contact: 05/01/2023
Data Release Frequency: Varies

INDIAN UST R7: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 7 (Iowa, Kansas, Missouri, Nebraska, and 9 Tribal Nations).

Date of Government Version: 10/14/2022
Date Data Arrived at EDR: 12/06/2022
Date Made Active in Reports: 03/03/2023
Number of Days to Update: 87

Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 01/17/2023
Next Scheduled EDR Contact: 05/01/2023
Data Release Frequency: Varies

INDIAN UST R10: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 10 (Alaska, Idaho, Oregon, Washington, and Tribal Nations).

Date of Government Version: 04/20/2022
Date Data Arrived at EDR: 06/13/2022
Date Made Active in Reports: 08/16/2022
Number of Days to Update: 64

Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 01/17/2023
Next Scheduled EDR Contact: 05/01/2023
Data Release Frequency: Varies

Lists of state and tribal voluntary cleanup sites

INDIAN VCP R7: Voluntary Cleanup Priority Lisitng

A listing of voluntary cleanup priority sites located on Indian Land located in Region 7.

Date of Government Version: 03/20/2008
Date Data Arrived at EDR: 04/22/2008
Date Made Active in Reports: 05/19/2008
Number of Days to Update: 27

Source: EPA, Region 7
Telephone: 913-551-7365
Last EDR Contact: 07/08/2021
Next Scheduled EDR Contact: 07/20/2009
Data Release Frequency: Varies

VCP: Voluntary Cleanup Program Properties
Contains low threat level properties with either confirmed or unconfirmed releases and the project proponents have request that DTSC oversee investigation and/or cleanup activities and have agreed to provide coverage for DTSC's costs.

Date of Government Version: 10/24/2022
Date Data Arrived at EDR: 10/24/2022
Date Made Active in Reports: 01/12/2023
Number of Days to Update: 80

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 01/24/2023
Next Scheduled EDR Contact: 05/08/2023
Data Release Frequency: Quarterly

INDIAN VCP R1: Voluntary Cleanup Priority Listing
A listing of voluntary cleanup priority sites located on Indian Land located in Region 1.

Date of Government Version: 07/27/2015
Date Data Arrived at EDR: 09/29/2015
Date Made Active in Reports: 02/18/2016
Number of Days to Update: 142

Source: EPA, Region 1
Telephone: 617-918-1102
Last EDR Contact: 12/13/2022
Next Scheduled EDR Contact: 04/03/2023
Data Release Frequency: Varies

Lists of state and tribal brownfield sites

BROWNFIELDS: Considered Brownfieds Sites Listing
A listing of sites the SWRCB considers to be Brownfields since these are sites have come to them through the MOA Process.

Date of Government Version: 12/14/2022
Date Data Arrived at EDR: 12/14/2022
Date Made Active in Reports: 03/07/2023
Number of Days to Update: 83

Source: State Water Resources Control Board
Telephone: 916-323-7905
Last EDR Contact: 12/14/2022
Next Scheduled EDR Contact: 04/03/2023
Data Release Frequency: Quarterly

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS: A Listing of Brownfields Sites
Brownfields are real property, the expansion, redevelopment, or reuse of which may be complicated by the presence or potential presence of a hazardous substance, pollutant, or contaminant. Cleaning up and reinvesting in these properties takes development pressures off of undeveloped, open land, and both improves and protects the environment. Assessment, Cleanup and Redevelopment Exchange System (ACRES) stores information reported by EPA Brownfields grant recipients on brownfields properties assessed or cleaned up with grant funding as well as information on Targeted Brownfields Assessments performed by EPA Regions. A listing of ACRES Brownfield sites is obtained from Cleanups in My Community. Cleanups in My Community provides information on Brownfields properties for which information is reported back to EPA, as well as areas served by Brownfields grant programs.

Date of Government Version: 02/23/2022
Date Data Arrived at EDR: 03/10/2022
Date Made Active in Reports: 03/10/2022
Number of Days to Update: 0

Source: Environmental Protection Agency
Telephone: 202-566-2777
Last EDR Contact: 12/07/2022
Next Scheduled EDR Contact: 03/27/2023
Data Release Frequency: Semi-Annually

Local Lists of Landfill / Solid Waste Disposal Sites

WMUDS/SWAT: Waste Management Unit Database
Waste Management Unit Database System. WMUDS is used by the State Water Resources Control Board staff and the Regional Water Quality Control Boards for program tracking and inventory of waste management units. WMUDS is composed of the following databases: Facility Information, Scheduled Inspections Information, Waste Management Unit Information, SWAT Program Information, SWAT Report Summary Information, SWAT Report Summary Data, Chapter 15 (formerly Subchapter 15) Information, Chapter 15 Monitoring Parameters, TPCA Program Information, RCRA Program Information, Closure Information, and Interested Parties Information.

Date of Government Version: 04/01/2000
Date Data Arrived at EDR: 04/10/2000
Date Made Active in Reports: 05/10/2000
Number of Days to Update: 30

Source: State Water Resources Control Board
Telephone: 916-227-4448
Last EDR Contact: 01/20/2023
Next Scheduled EDR Contact: 05/08/2023
Data Release Frequency: No Update Planned

SWRCY: Recycler Database
A listing of recycling facilities in California.

Date of Government Version: 12/02/2022
Date Data Arrived at EDR: 12/02/2022
Date Made Active in Reports: 02/22/2023
Number of Days to Update: 82

Source: Department of Conservation
Telephone: 916-323-3836
Last EDR Contact: 03/07/2023
Next Scheduled EDR Contact: 06/19/2023
Data Release Frequency: Quarterly

HAULERS: Registered Waste Tire Haulers Listing
A listing of registered waste tire haulers.

Date of Government Version: 11/16/2022
Date Data Arrived at EDR: 11/22/2022
Date Made Active in Reports: 02/13/2023
Number of Days to Update: 83

Source: Integrated Waste Management Board
Telephone: 916-341-6422
Last EDR Contact: 02/15/2023
Next Scheduled EDR Contact: 05/22/2023
Data Release Frequency: Varies

INDIAN ODI: Report on the Status of Open Dumps on Indian Lands
Location of open dumps on Indian land.

Date of Government Version: 12/31/1998
Date Data Arrived at EDR: 12/03/2007
Date Made Active in Reports: 01/24/2008
Number of Days to Update: 52

Source: Environmental Protection Agency
Telephone: 703-308-8245
Last EDR Contact: 01/20/2023
Next Scheduled EDR Contact: 05/08/2023
Data Release Frequency: Varies

DEBRIS REGION 9: Torres Martinez Reservation Illegal Dump Site Locations
A listing of illegal dump sites location on the Torres Martinez Indian Reservation located in eastern Riverside County and northern Imperial County, California.

Date of Government Version: 01/12/2009
Date Data Arrived at EDR: 05/07/2009
Date Made Active in Reports: 09/21/2009
Number of Days to Update: 137

Source: EPA, Region 9
Telephone: 415-947-4219
Last EDR Contact: 01/13/2023
Next Scheduled EDR Contact: 05/01/2023
Data Release Frequency: No Update Planned

ODI: Open Dump Inventory
An open dump is defined as a disposal facility that does not comply with one or more of the Part 257 or Part 258 Subtitle D Criteria.

Date of Government Version: 06/30/1985
Date Data Arrived at EDR: 08/09/2004
Date Made Active in Reports: 09/17/2004
Number of Days to Update: 39

Source: Environmental Protection Agency
Telephone: 800-424-9346
Last EDR Contact: 06/09/2004
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

IHS OPEN DUMPS: Open Dumps on Indian Land
A listing of all open dumps located on Indian Land in the United States.

Date of Government Version: 04/01/2014
Date Data Arrived at EDR: 08/06/2014
Date Made Active in Reports: 01/29/2015
Number of Days to Update: 176

Source: Department of Health & Human Serivces, Indian Health Service
Telephone: 301-443-1452
Last EDR Contact: 01/27/2023
Next Scheduled EDR Contact: 05/08/2023
Data Release Frequency: Varies

Local Lists of Hazardous waste / Contaminated Sites

US HIST CDL: National Clandestine Laboratory Register
A listing of clandestine drug lab locations that have been removed from the DEAs National Clandestine Laboratory Register.

Date of Government Version: 01/06/2023
Date Data Arrived at EDR: 02/02/2023
Date Made Active in Reports: 02/10/2023
Number of Days to Update: 8

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 02/02/2023
Next Scheduled EDR Contact: 06/05/2023
Data Release Frequency: No Update Planned

HIST CAL-SITES: Calsites Database
The Calsites database contains potential or confirmed hazardous substance release properties. In 1996, California EPA reevaluated and significantly reduced the number of sites in the Calsites database. No longer updated by the state agency. It has been replaced by ENVIROSTOR.

Date of Government Version: 08/08/2005
Date Data Arrived at EDR: 08/03/2006
Date Made Active in Reports: 08/24/2006
Number of Days to Update: 21

Source: Department of Toxic Substance Control
Telephone: 916-323-3400
Last EDR Contact: 02/23/2009
Next Scheduled EDR Contact: 05/25/2009
Data Release Frequency: No Update Planned

SCH: School Property Evaluation Program
This category contains proposed and existing school sites that are being evaluated by DTSC for possible hazardous materials contamination. In some cases, these properties may be listed in the CalSites category depending on the level of threat to public health and safety or the environment they pose.

Date of Government Version: 10/24/2022
Date Data Arrived at EDR: 10/24/2022
Date Made Active in Reports: 01/12/2023
Number of Days to Update: 80

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 01/24/2023
Next Scheduled EDR Contact: 05/08/2023
Data Release Frequency: Quarterly

CDL: Clandestine Drug Labs
A listing of drug lab locations. Listing of a location in this database does not indicate that any illegal drug lab materials were or were not present there, and does not constitute a determination that the location either requires or does not require additional cleanup work.

Date of Government Version: 12/31/2020
Date Data Arrived at EDR: 11/30/2022
Date Made Active in Reports: 02/09/2023
Number of Days to Update: 71

Source: Department of Toxic Substances Control
Telephone: 916-255-6504
Last EDR Contact: 03/09/2023
Next Scheduled EDR Contact: 05/15/2023
Data Release Frequency: Varies

TOXIC PITS: Toxic Pits Cleanup Act Sites
Toxic PITS Cleanup Act Sites. TOXIC PITS identifies sites suspected of containing hazardous substances where cleanup has not yet been completed.

Date of Government Version: 07/01/1995
Date Data Arrived at EDR: 08/30/1995
Date Made Active in Reports: 09/26/1995
Number of Days to Update: 27

Source: State Water Resources Control Board
Telephone: 916-227-4364
Last EDR Contact: 01/26/2009
Next Scheduled EDR Contact: 04/27/2009
Data Release Frequency: No Update Planned

CERS HAZ WASTE: CERS HAZ WASTE
List of sites in the California Environmental Protection Agency (CalEPA) Regulated Site Portal which fall under the Hazardous Chemical Management, Hazardous Waste Onsite Treatment, Household Hazardous Waste Collection, Hazardous Waste Generator, and RCRA LQ HW Generator programs.

Date of Government Version: 01/05/2023
Date Data Arrived at EDR: 01/06/2023
Date Made Active in Reports: 01/11/2023
Number of Days to Update: 5

Source: CalEPA
Telephone: 916-323-2514
Last EDR Contact: 01/06/2023
Next Scheduled EDR Contact: 05/01/2023
Data Release Frequency: Quarterly

US CDL: Clandestine Drug Labs

A listing of clandestine drug lab locations. The U.S. Department of Justice ("the Department") provides this web site as a public service. It contains addresses of some locations where law enforcement agencies reported they found chemicals or other items that indicated the presence of either clandestine drug laboratories or dumpsites. In most cases, the source of the entries is not the Department, and the Department has not verified the entry and does not guarantee its accuracy. Members of the public must verify the accuracy of all entries by, for example, contacting local law enforcement and local health departments.

Date of Government Version: 01/06/2023
Date Data Arrived at EDR: 02/02/2023
Date Made Active in Reports: 02/10/2023
Number of Days to Update: 8

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 02/02/2023
Next Scheduled EDR Contact: 06/05/2023
Data Release Frequency: Quarterly

Local Lists of Registered Storage Tanks

SWEEPS UST: SWEEPS UST Listing

Statewide Environmental Evaluation and Planning System. This underground storage tank listing was updated and maintained by a company contacted by the SWRCB in the early 1990's. The listing is no longer updated or maintained. The local agency is the contact for more information on a site on the SWEEPS list.

Date of Government Version: 06/01/1994
Date Data Arrived at EDR: 07/07/2005
Date Made Active in Reports: 08/11/2005
Number of Days to Update: 35

Source: State Water Resources Control Board
Telephone: N/A
Last EDR Contact: 06/03/2005
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

HIST UST: Hazardous Substance Storage Container Database

The Hazardous Substance Storage Container Database is a historical listing of UST sites. Refer to local/county source for current data.

Date of Government Version: 10/15/1990
Date Data Arrived at EDR: 01/25/1991
Date Made Active in Reports: 02/12/1991
Number of Days to Update: 18

Source: State Water Resources Control Board
Telephone: 916-341-5851
Last EDR Contact: 07/26/2001
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

SAN FRANCISCO AST: Aboveground Storage Tank Site Listing

Aboveground storage tank sites

Date of Government Version: 11/03/2022
Date Data Arrived at EDR: 11/07/2022
Date Made Active in Reports: 01/24/2023
Number of Days to Update: 78

Source: San Francisco County Department of Public Health
Telephone: 415-252-3896
Last EDR Contact: 01/27/2023
Next Scheduled EDR Contact: 05/15/2023
Data Release Frequency: Varies

CA FID UST: Facility Inventory Database

The Facility Inventory Database (FID) contains a historical listing of active and inactive underground storage tank locations from the State Water Resource Control Board. Refer to local/county source for current data.

Date of Government Version: 10/31/1994
Date Data Arrived at EDR: 09/05/1995
Date Made Active in Reports: 09/29/1995
Number of Days to Update: 24

Source: California Environmental Protection Agency
Telephone: 916-341-5851
Last EDR Contact: 12/28/1998
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

CERS TANKS: California Environmental Reporting System (CERS) Tanks
List of sites in the California Environmental Protection Agency (CalEPA) Regulated Site Portal which fall under the Aboveground Petroleum Storage and Underground Storage Tank regulatory programs.

Date of Government Version: 01/06/2023
Date Data Arrived at EDR: 01/06/2023
Date Made Active in Reports: 01/11/2023
Number of Days to Update: 5

Source: California Environmental Protection Agency
Telephone: 916-323-2514
Last EDR Contact: 10/17/2022
Next Scheduled EDR Contact: 05/01/2023
Data Release Frequency: Quarterly

Local Land Records

LIENS: Environmental Liens Listing
A listing of property locations with environmental liens for California where DTSC is a lien holder.

Date of Government Version: 08/23/2022
Date Data Arrived at EDR: 08/24/2022
Date Made Active in Reports: 11/14/2022
Number of Days to Update: 82

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 02/23/2023
Next Scheduled EDR Contact: 06/12/2023
Data Release Frequency: Varies

LIENS 2: CERCLA Lien Information
A Federal CERCLA ('Superfund') lien can exist by operation of law at any site or property at which EPA has spent Superfund monies. These monies are spent to investigate and address releases and threatened releases of contamination. CERCLIS provides information as to the identity of these sites and properties.

Date of Government Version: 01/25/2023
Date Data Arrived at EDR: 02/02/2023
Date Made Active in Reports: 02/28/2023
Number of Days to Update: 26

Source: Environmental Protection Agency
Telephone: 202-564-6023
Last EDR Contact: 03/01/2023
Next Scheduled EDR Contact: 04/10/2023
Data Release Frequency: Semi-Annually

DEED: Deed Restriction Listing
Site Mitigation and Brownfields Reuse Program Facility Sites with Deed Restrictions & Hazardous Waste Management Program Facility Sites with Deed / Land Use Restriction. The DTSC Site Mitigation and Brownfields Reuse Program (SMBRP) list includes sites cleaned up under the program's oversight and generally does not include current or former hazardous waste facilities that required a hazardous waste facility permit. The list represents deed restrictions that are active. Some sites have multiple deed restrictions. The DTSC Hazardous Waste Management Program (HWMP) has developed a list of current or former hazardous waste facilities that have a recorded land use restriction at the local county recorder's office. The land use restrictions on this list were required by the DTSC HWMP as a result of the presence of hazardous substances that remain on site after the facility (or part of the facility) has been closed or cleaned up. The types of land use restriction include deed notice, deed restriction, or a land use restriction that binds current and future owners.

Date of Government Version: 11/28/2022
Date Data Arrived at EDR: 11/29/2022
Date Made Active in Reports: 02/13/2023
Number of Days to Update: 76

Source: DTSC and SWRCB
Telephone: 916-323-3400
Last EDR Contact: 02/28/2023
Next Scheduled EDR Contact: 06/12/2023
Data Release Frequency: Semi-Annually

Records of Emergency Release Reports

HMIRS: Hazardous Materials Information Reporting System
Hazardous Materials Incident Report System. HMIRS contains hazardous material spill incidents reported to DOT.

Date of Government Version: 12/13/2022
Date Data Arrived at EDR: 12/14/2022
Date Made Active in Reports: 03/10/2023
Number of Days to Update: 86

Source: U.S. Department of Transportation
Telephone: 202-366-4555
Last EDR Contact: 12/14/2022
Next Scheduled EDR Contact: 04/03/2023
Data Release Frequency: Quarterly

CHMIRS: California Hazardous Material Incident Report System
California Hazardous Material Incident Reporting System. CHMIRS contains information on reported hazardous material incidents (accidental releases or spills).

Date of Government Version: 08/02/2022
Date Data Arrived at EDR: 10/17/2022
Date Made Active in Reports: 01/04/2023
Number of Days to Update: 79

Source: Office of Emergency Services
Telephone: 916-845-8400
Last EDR Contact: 01/20/2023
Next Scheduled EDR Contact: 05/01/2023
Data Release Frequency: Semi-Annually

LDS: Land Disposal Sites Listing (GEOTRACKER)
Land Disposal sites (Landfills) included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

Date of Government Version: 12/02/2022
Date Data Arrived at EDR: 12/02/2022
Date Made Active in Reports: 02/21/2023
Number of Days to Update: 81

Source: State Water Quality Control Board
Telephone: 866-480-1028
Last EDR Contact: 03/07/2023
Next Scheduled EDR Contact: 06/19/2023
Data Release Frequency: Quarterly

MCS: Military Cleanup Sites Listing (GEOTRACKER)
Military sites (consisting of: Military UST sites; Military Privatized sites; and Military Cleanup sites [formerly known as DoD non UST]) included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

Date of Government Version: 12/02/2022
Date Data Arrived at EDR: 12/02/2022
Date Made Active in Reports: 02/21/2023
Number of Days to Update: 81

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 03/07/2023
Next Scheduled EDR Contact: 06/19/2023
Data Release Frequency: Quarterly

SPILLS 90: SPILLS90 data from FirstSearch
Spills 90 includes those spill and release records available exclusively from FirstSearch databases. Typically, they may include chemical, oil and/or hazardous substance spills recorded after 1990. Duplicate records that are already included in EDR incident and release records are not included in Spills 90.

Date of Government Version: 06/06/2012
Date Data Arrived at EDR: 01/03/2013
Date Made Active in Reports: 02/22/2013
Number of Days to Update: 50

Source: FirstSearch
Telephone: N/A
Last EDR Contact: 01/03/2013
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

Other Ascertainable Records

RCRA NonGen / NLR: RCRA - Non Generators / No Longer Regulated
RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Non-Generators do not presently generate hazardous waste.

Date of Government Version: 11/21/2022
Date Data Arrived at EDR: 11/21/2022
Date Made Active in Reports: 12/05/2022
Number of Days to Update: 14

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 03/09/2023
Next Scheduled EDR Contact: 04/03/2023
Data Release Frequency: Quarterly

FUDS: Formerly Used Defense Sites
The listing includes locations of Formerly Used Defense Sites properties where the US Army Corps of Engineers is actively working or will take necessary cleanup actions.

Date of Government Version: 11/01/2022
Date Data Arrived at EDR: 11/10/2022
Date Made Active in Reports: 02/09/2023
Number of Days to Update: 91

Source: U.S. Army Corps of Engineers
Telephone: 202-528-4285
Last EDR Contact: 02/14/2023
Next Scheduled EDR Contact: 05/29/2023
Data Release Frequency: Varies

DOD: Department of Defense Sites

This data set consists of federally owned or administered lands, administered by the Department of Defense, that have any area equal to or greater than 640 acres of the United States, Puerto Rico, and the U.S. Virgin Islands.

Date of Government Version: 06/07/2021
Date Data Arrived at EDR: 07/13/2021
Date Made Active in Reports: 03/09/2022
Number of Days to Update: 239

Source: USGS
Telephone: 888-275-8747
Last EDR Contact: 01/13/2023
Next Scheduled EDR Contact: 04/24/2023
Data Release Frequency: Varies

FEDLAND: Federal and Indian Lands

Federally and Indian administrated lands of the United States. Lands included are administrated by: Army Corps of Engineers, Bureau of Reclamation, National Wild and Scenic River, National Wildlife Refuge, Public Domain Land, Wilderness, Wilderness Study Area, Wildlife Management Area, Bureau of Indian Affairs, Bureau of Land Management, Department of Justice, Forest Service, Fish and Wildlife Service, National Park Service.

Date of Government Version: 04/02/2018
Date Data Arrived at EDR: 04/11/2018
Date Made Active in Reports: 11/06/2019
Number of Days to Update: 574

Source: U.S. Geological Survey
Telephone: 888-275-8747
Last EDR Contact: 01/03/2023
Next Scheduled EDR Contact: 04/17/2023
Data Release Frequency: N/A

SCRD DRYCLEANERS: State Coalition for Remediation of Drycleaners Listing

The State Coalition for Remediation of Drycleaners was established in 1998, with support from the U.S. EPA Office of Superfund Remediation and Technology Innovation. It is comprised of representatives of states with established drycleaner remediation programs. Currently the member states are Alabama, Connecticut, Florida, Illinois, Kansas, Minnesota, Missouri, North Carolina, Oregon, South Carolina, Tennessee, Texas, and Wisconsin.

Date of Government Version: 07/30/2021
Date Data Arrived at EDR: 02/03/2023
Date Made Active in Reports: 02/10/2023
Number of Days to Update: 7

Source: Environmental Protection Agency
Telephone: 615-532-8599
Last EDR Contact: 02/02/2023
Next Scheduled EDR Contact: 05/22/2023
Data Release Frequency: Varies

US FIN ASSUR: Financial Assurance Information

All owners and operators of facilities that treat, store, or dispose of hazardous waste are required to provide proof that they will have sufficient funds to pay for the clean up, closure, and post-closure care of their facilities.

Date of Government Version: 12/13/2022
Date Data Arrived at EDR: 12/14/2022
Date Made Active in Reports: 03/10/2023
Number of Days to Update: 86

Source: Environmental Protection Agency
Telephone: 202-566-1917
Last EDR Contact: 12/14/2022
Next Scheduled EDR Contact: 04/03/2023
Data Release Frequency: Quarterly

EPA WATCH LIST: EPA WATCH LIST

EPA maintains a "Watch List" to facilitate dialogue between EPA, state and local environmental agencies on enforcement matters relating to facilities with alleged violations identified as either significant or high priority. Being on the Watch List does not mean that the facility has actually violated the law only that an investigation by EPA or a state or local environmental agency has led those organizations to allege that an unproven violation has in fact occurred. Being on the Watch List does not represent a higher level of concern regarding the alleged violations that were detected, but instead indicates cases requiring additional dialogue between EPA, state and local agencies - primarily because of the length of time the alleged violation has gone unaddressed or unresolved.

Date of Government Version: 08/30/2013
Date Data Arrived at EDR: 03/21/2014
Date Made Active in Reports: 06/17/2014
Number of Days to Update: 88

Source: Environmental Protection Agency
Telephone: 617-520-3000
Last EDR Contact: 01/30/2023
Next Scheduled EDR Contact: 05/15/2023
Data Release Frequency: Quarterly

2020 COR ACTION: 2020 Corrective Action Program List

The EPA has set ambitious goals for the RCRA Corrective Action program by creating the 2020 Corrective Action Universe. This RCRA cleanup baseline includes facilities expected to need corrective action. The 2020 universe contains a wide variety of sites. Some properties are heavily contaminated while others were contaminated but have since been cleaned up. Still others have not been fully investigated yet, and may require little or no remediation. Inclusion in the 2020 Universe does not necessarily imply failure on the part of a facility to meet its RCRA obligations.

Date of Government Version: 09/30/2017
Date Data Arrived at EDR: 05/08/2018
Date Made Active in Reports: 07/20/2018
Number of Days to Update: 73

Source: Environmental Protection Agency
Telephone: 703-308-4044
Last EDR Contact: 02/03/2023
Next Scheduled EDR Contact: 05/15/2023
Data Release Frequency: Varies

TSCA: Toxic Substances Control Act

Toxic Substances Control Act. TSCA identifies manufacturers and importers of chemical substances included on the TSCA Chemical Substance Inventory list. It includes data on the production volume of these substances by plant site.

Date of Government Version: 12/31/2016
Date Data Arrived at EDR: 06/17/2020
Date Made Active in Reports: 09/10/2020
Number of Days to Update: 85

Source: EPA
Telephone: 202-260-5521
Last EDR Contact: 03/13/2023
Next Scheduled EDR Contact: 06/26/2023
Data Release Frequency: Every 4 Years

TRIS: Toxic Chemical Release Inventory System

Toxic Release Inventory System. TRIS identifies facilities which release toxic chemicals to the air, water and land in reportable quantities under SARA Title III Section 313.

Date of Government Version: 12/31/2021
Date Data Arrived at EDR: 11/01/2022
Date Made Active in Reports: 02/09/2023
Number of Days to Update: 100

Source: EPA
Telephone: 202-566-0250
Last EDR Contact: 02/16/2023
Next Scheduled EDR Contact: 05/29/2023
Data Release Frequency: Annually

SSTS: Section 7 Tracking Systems

Section 7 of the Federal Insecticide, Fungicide and Rodenticide Act, as amended (92 Stat. 829) requires all registered pesticide-producing establishments to submit a report to the Environmental Protection Agency by March 1st each year. Each establishment must report the types and amounts of pesticides, active ingredients and devices being produced, and those having been produced and sold or distributed in the past year.

Date of Government Version: 10/17/2022
Date Data Arrived at EDR: 10/18/2022
Date Made Active in Reports: 01/10/2023
Number of Days to Update: 84

Source: EPA
Telephone: 202-564-4203
Last EDR Contact: 01/18/2023
Next Scheduled EDR Contact: 05/01/2023
Data Release Frequency: Annually

ROD: Records Of Decision

Record of Decision. ROD documents mandate a permanent remedy at an NPL (Superfund) site containing technical and health information to aid in the cleanup.

Date of Government Version: 01/25/2023
Date Data Arrived at EDR: 02/02/2023
Date Made Active in Reports: 02/28/2023
Number of Days to Update: 26

Source: EPA
Telephone: 703-416-0223
Last EDR Contact: 03/01/2023
Next Scheduled EDR Contact: 06/12/2023
Data Release Frequency: Annually

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

RMP: Risk Management Plans

When Congress passed the Clean Air Act Amendments of 1990, it required EPA to publish regulations and guidance for chemical accident prevention at facilities using extremely hazardous substances. The Risk Management Program Rule (RMP Rule) was written to implement Section 112(r) of these amendments. The rule, which built upon existing industry codes and standards, requires companies of all sizes that use certain flammable and toxic substances to develop a Risk Management Program, which includes a(n): Hazard assessment that details the potential effects of an accidental release, an accident history of the last five years, and an evaluation of worst-case and alternative accidental releases; Prevention program that includes safety precautions and maintenance, monitoring, and employee training measures; and Emergency response program that spells out emergency health care, employee training measures and procedures for informing the public and response agencies (e.g the fire department) should an accident occur.

Date of Government Version: 04/27/2022
Date Data Arrived at EDR: 05/04/2022
Date Made Active in Reports: 05/10/2022
Number of Days to Update: 6

Source: Environmental Protection Agency
Telephone: 202-564-8600
Last EDR Contact: 01/17/2023
Next Scheduled EDR Contact: 05/01/2023
Data Release Frequency: Varies

RAATS: RCRA Administrative Action Tracking System

RCRA Administration Action Tracking System. RAATS contains records based on enforcement actions issued under RCRA pertaining to major violators and includes administrative and civil actions brought by the EPA. For administration actions after September 30, 1995, data entry in the RAATS database was discontinued. EPA will retain a copy of the database for historical records. It was necessary to terminate RAATS because a decrease in agency resources made it impossible to continue to update the information contained in the database.

Date of Government Version: 04/17/1995
Date Data Arrived at EDR: 07/03/1995
Date Made Active in Reports: 08/07/1995
Number of Days to Update: 35

Source: EPA
Telephone: 202-564-4104
Last EDR Contact: 06/02/2008
Next Scheduled EDR Contact: 09/01/2008
Data Release Frequency: No Update Planned

PRP: Potentially Responsible Parties

A listing of verified Potentially Responsible Parties

Date of Government Version: 10/27/2022
Date Data Arrived at EDR: 11/01/2022
Date Made Active in Reports: 11/15/2022
Number of Days to Update: 14

Source: EPA
Telephone: 202-564-6023
Last EDR Contact: 03/01/2023
Next Scheduled EDR Contact: 05/15/2023
Data Release Frequency: Quarterly

PADS: PCB Activity Database System

PCB Activity Database. PADS Identifies generators, transporters, commercial storers and/or brokers and disposers of PCB's who are required to notify the EPA of such activities.

Date of Government Version: 01/20/2022
Date Data Arrived at EDR: 01/20/2022
Date Made Active in Reports: 03/25/2022
Number of Days to Update: 64

Source: EPA
Telephone: 202-566-0500
Last EDR Contact: 01/04/2023
Next Scheduled EDR Contact: 04/17/2023
Data Release Frequency: Annually

ICIS: Integrated Compliance Information System

The Integrated Compliance Information System (ICIS) supports the information needs of the national enforcement and compliance program as well as the unique needs of the National Pollutant Discharge Elimination System (NPDES) program.

Date of Government Version: 11/18/2016
Date Data Arrived at EDR: 11/23/2016
Date Made Active in Reports: 02/10/2017
Number of Days to Update: 79

Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 12/28/2022
Next Scheduled EDR Contact: 04/17/2023
Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

FTTS: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
FTTS tracks administrative cases and pesticide enforcement actions and compliance activities related to FIFRA, TSCA and EPCRA (Emergency Planning and Community Right-to-Know Act). To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 04/09/2009
Date Data Arrived at EDR: 04/16/2009
Date Made Active in Reports: 05/11/2009
Number of Days to Update: 25

Source: EPA/Office of Prevention, Pesticides and Toxic Substances
Telephone: 202-566-1667
Last EDR Contact: 08/18/2017
Next Scheduled EDR Contact: 12/04/2017
Data Release Frequency: No Update Planned

FTTS INSP: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
A listing of FIFRA/TSCA Tracking System (FTTS) inspections and enforcements.

Date of Government Version: 04/09/2009
Date Data Arrived at EDR: 04/16/2009
Date Made Active in Reports: 05/11/2009
Number of Days to Update: 25

Source: EPA
Telephone: 202-566-1667
Last EDR Contact: 08/18/2017
Next Scheduled EDR Contact: 12/04/2017
Data Release Frequency: No Update Planned

MLTS: Material Licensing Tracking System
MLTS is maintained by the Nuclear Regulatory Commission and contains a list of approximately 8,100 sites which possess or use radioactive materials and which are subject to NRC licensing requirements. To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 10/26/2022
Date Data Arrived at EDR: 11/22/2022
Date Made Active in Reports: 12/05/2022
Number of Days to Update: 13

Source: Nuclear Regulatory Commission
Telephone: 301-415-7169
Last EDR Contact: 01/17/2023
Next Scheduled EDR Contact: 05/01/2023
Data Release Frequency: Quarterly

COAL ASH DOE: Steam-Electric Plant Operation Data
A listing of power plants that store ash in surface ponds.

Date of Government Version: 12/31/2020
Date Data Arrived at EDR: 11/30/2021
Date Made Active in Reports: 02/22/2022
Number of Days to Update: 84

Source: Department of Energy
Telephone: 202-586-8719
Last EDR Contact: 03/03/2023
Next Scheduled EDR Contact: 06/12/2023
Data Release Frequency: Varies

COAL ASH EPA: Coal Combustion Residues Surface Impoundments List
A listing of coal combustion residues surface impoundments with high hazard potential ratings.

Date of Government Version: 01/12/2017
Date Data Arrived at EDR: 03/05/2019
Date Made Active in Reports: 11/11/2019
Number of Days to Update: 251

Source: Environmental Protection Agency
Telephone: N/A
Last EDR Contact: 02/27/2023
Next Scheduled EDR Contact: 06/12/2023
Data Release Frequency: Varies

PCB TRANSFORMER: PCB Transformer Registration Database
The database of PCB transformer registrations that includes all PCB registration submittals.

Date of Government Version: 09/13/2019
Date Data Arrived at EDR: 11/06/2019
Date Made Active in Reports: 02/10/2020
Number of Days to Update: 96

Source: Environmental Protection Agency
Telephone: 202-566-0517
Last EDR Contact: 02/03/2023
Next Scheduled EDR Contact: 05/15/2023
Data Release Frequency: Varies

RADINFO: Radiation Information Database
The Radiation Information Database (RADINFO) contains information about facilities that are regulated by U.S. Environmental Protection Agency (EPA) regulations for radiation and radioactivity.

Date of Government Version: 07/01/2019
Date Data Arrived at EDR: 07/01/2019
Date Made Active in Reports: 09/23/2019
Number of Days to Update: 84

Source: Environmental Protection Agency
Telephone: 202-343-9775
Last EDR Contact: 12/20/2022
Next Scheduled EDR Contact: 04/10/2023
Data Release Frequency: Quarterly

HIST FTTS: FIFRA/TSCA Tracking System Administrative Case Listing

A complete administrative case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006
Date Data Arrived at EDR: 03/01/2007
Date Made Active in Reports: 04/10/2007
Number of Days to Update: 40

Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 12/17/2007
Next Scheduled EDR Contact: 03/17/2008
Data Release Frequency: No Update Planned

HIST FTTS INSP: FIFRA/TSCA Tracking System Inspection & Enforcement Case Listing

A complete inspection and enforcement case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006
Date Data Arrived at EDR: 03/01/2007
Date Made Active in Reports: 04/10/2007
Number of Days to Update: 40

Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 12/17/2008
Next Scheduled EDR Contact: 03/17/2008
Data Release Frequency: No Update Planned

DOT OPS: Incident and Accident Data

Department of Transporation, Office of Pipeline Safety Incident and Accident data.

Date of Government Version: 01/02/2020
Date Data Arrived at EDR: 01/28/2020
Date Made Active in Reports: 04/17/2020
Number of Days to Update: 80

Source: Department of Transporation, Office of Pipeline Safety
Telephone: 202-366-4595
Last EDR Contact: 01/24/2023
Next Scheduled EDR Contact: 05/08/2023
Data Release Frequency: Quarterly

CONSENT: Superfund (CERCLA) Consent Decrees

Major legal settlements that establish responsibility and standards for cleanup at NPL (Superfund) sites. Released periodically by United States District Courts after settlement by parties to litigation matters.

Date of Government Version: 09/30/2022
Date Data Arrived at EDR: 10/21/2022
Date Made Active in Reports: 01/10/2023
Number of Days to Update: 81

Source: Department of Justice, Consent Decree Library
Telephone: Varies
Last EDR Contact: 01/03/2023
Next Scheduled EDR Contact: 04/17/2023
Data Release Frequency: Varies

BRS: Biennial Reporting System

The Biennial Reporting System is a national system administered by the EPA that collects data on the generation and management of hazardous waste. BRS captures detailed data from two groups: Large Quantity Generators (LQG) and Treatment, Storage, and Disposal Facilities.

Date of Government Version: 12/31/2019
Date Data Arrived at EDR: 03/02/2022
Date Made Active in Reports: 03/25/2022
Number of Days to Update: 23

Source: EPA/NTIS
Telephone: 800-424-9346
Last EDR Contact: 03/09/2023
Next Scheduled EDR Contact: 04/03/2023
Data Release Frequency: Biennially

INDIAN RESERV: Indian Reservations

This map layer portrays Indian administered lands of the United States that have any area equal to or greater than 640 acres.

Date of Government Version: 12/31/2014
Date Data Arrived at EDR: 07/14/2015
Date Made Active in Reports: 01/10/2017
Number of Days to Update: 546

Source: USGS
Telephone: 202-208-3710
Last EDR Contact: 01/06/2023
Next Scheduled EDR Contact: 04/17/2023
Data Release Frequency: Semi-Annually

FUSRAP: Formerly Utilized Sites Remedial Action Program

DOE established the Formerly Utilized Sites Remedial Action Program (FUSRAP) in 1974 to remediate sites where radioactive contamination remained from Manhattan Project and early U.S. Atomic Energy Commission (AEC) operations.

Date of Government Version: 07/26/2021
Date Data Arrived at EDR: 07/27/2021
Date Made Active in Reports: 10/22/2021
Number of Days to Update: 87

Source: Department of Energy
Telephone: 202-586-3559
Last EDR Contact: 01/30/2023
Next Scheduled EDR Contact: 05/15/2023
Data Release Frequency: Varies

UMTRA: Uranium Mill Tailings Sites

Uranium ore was mined by private companies for federal government use in national defense programs. When the mills shut down, large piles of the sand-like material (mill tailings) remain after uranium has been extracted from the ore. Levels of human exposure to radioactive materials from the piles are low; however, in some cases tailings were used as construction materials before the potential health hazards of the tailings were recognized.

Date of Government Version: 08/30/2019
Date Data Arrived at EDR: 11/15/2019
Date Made Active in Reports: 01/28/2020
Number of Days to Update: 74

Source: Department of Energy
Telephone: 505-845-0011
Last EDR Contact: 02/13/2023
Next Scheduled EDR Contact: 05/29/2023
Data Release Frequency: Varies

LEAD SMELTER 1: Lead Smelter Sites

A listing of former lead smelter site locations.

Date of Government Version: 01/25/2023
Date Data Arrived at EDR: 02/02/2023
Date Made Active in Reports: 02/28/2023
Number of Days to Update: 26

Source: Environmental Protection Agency
Telephone: 703-603-8787
Last EDR Contact: 03/01/2023
Next Scheduled EDR Contact: 04/10/2023
Data Release Frequency: Varies

LEAD SMELTER 2: Lead Smelter Sites

A list of several hundred sites in the U.S. where secondary lead smelting was done from 1931and 1964. These sites may pose a threat to public health through ingestion or inhalation of contaminated soil or dust

Date of Government Version: 04/05/2001
Date Data Arrived at EDR: 10/27/2010
Date Made Active in Reports: 12/02/2010
Number of Days to Update: 36

Source: American Journal of Public Health
Telephone: 703-305-6451
Last EDR Contact: 12/02/2009
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

US AIRS (AFS): Aerometric Information Retrieval System Facility Subsystem (AFS)

The database is a sub-system of Aerometric Information Retrieval System (AIRS). AFS contains compliance data on air pollution point sources regulated by the U.S. EPA and/or state and local air regulatory agencies. This information comes from source reports by various stationary sources of air pollution, such as electric power plants, steel mills, factories, and universities, and provides information about the air pollutants they produce. Action, air program, air program pollutant, and general level plant data. It is used to track emissions and compliance data from industrial plants.

Date of Government Version: 10/12/2016
Date Data Arrived at EDR: 10/26/2016
Date Made Active in Reports: 02/03/2017
Number of Days to Update: 100

Source: EPA
Telephone: 202-564-2496
Last EDR Contact: 09/26/2017
Next Scheduled EDR Contact: 01/08/2018
Data Release Frequency: Annually

US AIRS MINOR: Air Facility System Data
A listing of minor source facilities.

Date of Government Version: 10/12/2016
Date Data Arrived at EDR: 10/26/2016
Date Made Active in Reports: 02/03/2017
Number of Days to Update: 100

Source: EPA
Telephone: 202-564-2496
Last EDR Contact: 09/26/2017
Next Scheduled EDR Contact: 01/08/2018
Data Release Frequency: Annually

US MINES: Mines Master Index File
Contains all mine identification numbers issued for mines active or opened since 1971. The data also includes violation information.

Date of Government Version: 11/07/2022
Date Data Arrived at EDR: 11/17/2022
Date Made Active in Reports: 02/10/2023
Number of Days to Update: 85

Source: Department of Labor, Mine Safety and Health Administration
Telephone: 303-231-5959
Last EDR Contact: 02/22/2023
Next Scheduled EDR Contact: 06/05/2023
Data Release Frequency: Semi-Annually

MINES VIOLATIONS: MSHA Violation Assessment Data
Mines violation and assessment information. Department of Labor, Mine Safety & Health Administration.

Date of Government Version: 11/29/2022
Date Data Arrived at EDR: 11/30/2022
Date Made Active in Reports: 12/22/2022
Number of Days to Update: 22

Source: DOL, Mine Safety & Health Admi
Telephone: 202-693-9424
Last EDR Contact: 02/23/2023
Next Scheduled EDR Contact: 06/12/2023
Data Release Frequency: Quarterly

US MINES 2: Ferrous and Nonferrous Metal Mines Database Listing
This map layer includes ferrous (ferrous metal mines are facilities that extract ferrous metals, such as iron ore or molybdenum) and nonferrous (Nonferrous metal mines are facilities that extract nonferrous metals, such as gold, silver, copper, zinc, and lead) metal mines in the United States.

Date of Government Version: 05/06/2020
Date Data Arrived at EDR: 05/27/2020
Date Made Active in Reports: 08/13/2020
Number of Days to Update: 78

Source: USGS
Telephone: 703-648-7709
Last EDR Contact: 02/24/2023
Next Scheduled EDR Contact: 06/05/2023
Data Release Frequency: Varies

US MINES 3: Active Mines & Mineral Plants Database Listing
Active Mines and Mineral Processing Plant operations for commodities monitored by the Minerals Information Team of the USGS.

Date of Government Version: 04/14/2011
Date Data Arrived at EDR: 06/08/2011
Date Made Active in Reports: 09/13/2011
Number of Days to Update: 97

Source: USGS
Telephone: 703-648-7709
Last EDR Contact: 02/24/2023
Next Scheduled EDR Contact: 06/05/2023
Data Release Frequency: Varies

ABANDONED MINES: Abandoned Mines
An inventory of land and water impacted by past mining (primarily coal mining) is maintained by OSMRE to provide information needed to implement the Surface Mining Control and Reclamation Act of 1977 (SMCRA). The inventory contains information on the location, type, and extent of AML impacts, as well as, information on the cost associated with the reclamation of those problems. The inventory is based upon field surveys by State, Tribal, and OSMRE program officials. It is dynamic to the extent that it is modified as new problems are identified and existing problems are reclaimed.

Date of Government Version: 12/20/2022
Date Data Arrived at EDR: 12/20/2022
Date Made Active in Reports: 03/10/2023
Number of Days to Update: 80

Source: Department of Interior
Telephone: 202-208-2609
Last EDR Contact: 03/01/2023
Next Scheduled EDR Contact: 06/19/2023
Data Release Frequency: Quarterly

FINDS: Facility Index System/Facility Registry System

Facility Index System. FINDS contains both facility information and 'pointers' to other sources that contain more detail. EDR includes the following FINDS databases in this report: PCS (Permit Compliance System), AIRS (Aerometric Information Retrieval System), DOCKET (Enforcement Docket used to manage and track information on civil judicial enforcement cases for all environmental statutes), FURS (Federal Underground Injection Control), C-DOCKET (Criminal Docket System used to track criminal enforcement actions for all environmental statutes), FFIS (Federal Facilities Information System), STATE (State Environmental Laws and Statutes), and PADS (PCB Activity Data System).

Date of Government Version: 08/03/2022
Date Data Arrived at EDR: 08/25/2022
Date Made Active in Reports: 10/24/2022
Number of Days to Update: 60

Source: EPA
Telephone: (415) 947-8000
Last EDR Contact: 02/28/2023
Next Scheduled EDR Contact: 06/12/2023
Data Release Frequency: Quarterly

UXO: Unexploded Ordnance Sites

A listing of unexploded ordnance site locations

Date of Government Version: 11/09/2021
Date Data Arrived at EDR: 10/20/2022
Date Made Active in Reports: 01/10/2023
Number of Days to Update: 82

Source: Department of Defense
Telephone: 703-704-1564
Last EDR Contact: 01/09/2023
Next Scheduled EDR Contact: 04/24/2023
Data Release Frequency: Varies

ECHO: Enforcement & Compliance History Information

ECHO provides integrated compliance and enforcement information for about 800,000 regulated facilities nationwide.

Date of Government Version: 09/25/2022
Date Data Arrived at EDR: 09/30/2022
Date Made Active in Reports: 12/22/2022
Number of Days to Update: 83

Source: Environmental Protection Agency
Telephone: 202-564-2280
Last EDR Contact: 01/04/2023
Next Scheduled EDR Contact: 04/17/2023
Data Release Frequency: Quarterly

DOCKET HWC: Hazardous Waste Compliance Docket Listing

A complete list of the Federal Agency Hazardous Waste Compliance Docket Facilities.

Date of Government Version: 05/06/2021
Date Data Arrived at EDR: 05/21/2021
Date Made Active in Reports: 08/11/2021
Number of Days to Update: 82

Source: Environmental Protection Agency
Telephone: 202-564-0527
Last EDR Contact: 02/24/2023
Next Scheduled EDR Contact: 06/05/2023
Data Release Frequency: Varies

FUELS PROGRAM: EPA Fuels Program Registered Listing

This listing includes facilities that are registered under the Part 80 (Code of Federal Regulations) EPA Fuels Programs. All companies now are required to submit new and updated registrations.

Date of Government Version: 11/10/2022
Date Data Arrived at EDR: 11/10/2022
Date Made Active in Reports: 02/09/2023
Number of Days to Update: 91

Source: EPA
Telephone: 800-385-6164
Last EDR Contact: 02/14/2023
Next Scheduled EDR Contact: 05/29/2023
Data Release Frequency: Quarterly

PFAS NPL: Superfund Sites with PFAS Detections Information

EPA's Office of Land and Emergency Management and EPA Regional Offices maintain data describing what is known about site investigations, contamination, and remedial actions under the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) where PFAS is present in the environment.

Date of Government Version: 02/23/2022
Date Data Arrived at EDR: 07/08/2022
Date Made Active in Reports: 11/08/2022
Number of Days to Update: 123

Source: Environmental Protection Agency
Telephone: 703-603-8895
Last EDR Contact: 01/10/2023
Next Scheduled EDR Contact: 04/17/2023
Data Release Frequency: Varies

PFAS FEDERAL SITES: Federal Sites PFAS Information

Several federal entities, such as the federal Superfund program, Department of Defense, National Aeronautics and Space Administration, Department of Transportation, and Department of Energy provided information for sites with known or suspected detections at federal facilities.

Date of Government Version: 02/23/2022
Date Data Arrived at EDR: 03/31/2022
Date Made Active in Reports: 11/08/2022
Number of Days to Update: 222

Source: Environmental Protection Agency
Telephone: 202-272-0167
Last EDR Contact: 01/05/2023
Next Scheduled EDR Contact: 04/17/2023
Data Release Frequency: Varies

PFAS TSCA: PFAS Manufacture and Imports Information

EPA issued the Chemical Data Reporting (CDR) Rule under the Toxic Substances Control Act (TSCA) and requires chemical manufacturers and facilities that manufacture or import chemical substances to report data to EPA. EPA publishes non-confidential business information (non-CBI) and includes descriptive information about each site, corporate parent, production volume, other manufacturing information, and processing and use information.

Date of Government Version: 01/03/2022
Date Data Arrived at EDR: 03/31/2022
Date Made Active in Reports: 11/08/2022
Number of Days to Update: 222

Source: Environmental Protection Agency
Telephone: 202-272-0167
Last EDR Contact: 01/05/2023
Next Scheduled EDR Contact: 04/17/2023
Data Release Frequency: Varies

PFAS RCRA MANIFEST: PFAS Transfers Identified In the RCRA Database Listing

To work around the lack of PFAS waste codes in the RCRA database, EPA developed the PFAS Transfers dataset by mining e-Manifest records containing at least one of these common PFAS keywords: PFAS, PFOA, PFOS, PERFL, AFFF, GENX, GEN-X (plus the VT waste codes). These keywords were searched for in the following text fields: Manifest handling instructions (MANIFEST_HANDLING_INSTR), Non-hazardous waste description (NON_HAZ_WASTE_DESCRIPTION), DOT printed information (DOT_PRINTED_INFORMATION), Waste line handling instructions (WASTE_LINE_HANDLING_INSTR), Waste residue comments (WASTE_RESIDUE_COMMENTS).

Date of Government Version: 01/03/2022
Date Data Arrived at EDR: 03/31/2022
Date Made Active in Reports: 11/08/2022
Number of Days to Update: 222

Source: Environmental Protection Agency
Telephone: 202-272-0167
Last EDR Contact: 01/05/2023
Next Scheduled EDR Contact: 04/17/2023
Data Release Frequency: Varies

PFAS ATSDR: PFAS Contamination Site Location Listing

PFAS contamination site locations from the Department of Health & Human Services, Center for Disease Control & Prevention. ATSDR is involved at a number of PFAS-related sites, either directly or through assisting state and federal partners. As of now, most sites are related to drinking water contamination connected with PFAS production facilities or fire training areas where aqueous film-forming firefighting foam (AFFF) was regularly used.

Date of Government Version: 06/24/2020
Date Data Arrived at EDR: 03/17/2021
Date Made Active in Reports: 11/08/2022
Number of Days to Update: 601

Source: Department of Health & Human Services
Telephone: 202-741-5770
Last EDR Contact: 01/23/2023
Next Scheduled EDR Contact: 05/08/2023
Data Release Frequency: Varies

PFAS WQP: Ambient Environmental Sampling for PFAS

The Water Quality Portal (WQP) is a part of a modernized repository storing ambient sampling data for all environmental media and tissue samples. A wide range of federal, state, tribal and local governments, academic and non-governmental organizations and individuals submit project details and sampling results to this public repository. The information is commonly used for research and assessments of environmental quality.

Date of Government Version: 01/03/2022
Date Data Arrived at EDR: 03/31/2022
Date Made Active in Reports: 11/08/2022
Number of Days to Update: 222

Source: Environmental Protection Agency
Telephone: 202-272-0167
Last EDR Contact: 01/05/2023
Next Scheduled EDR Contact: 04/17/2023
Data Release Frequency: Varies

PFAS NPDES: Clean Water Act Discharge Monitoring Information

Any discharger of pollutants to waters of the United States from a point source must have a National Pollutant Discharge Elimination System (NPDES) permit. The process for obtaining limits involves the regulated entity (permittee) disclosing releases in a NPDES permit application and the permitting authority (typically the state but sometimes EPA) deciding whether to require monitoring or monitoring with limits.

Date of Government Version: 01/03/2022
Date Data Arrived at EDR: 03/31/2022
Date Made Active in Reports: 11/08/2022
Number of Days to Update: 222

Source: Environmental Protection Agency
Telephone: 202-272-0167
Last EDR Contact: 01/05/2023
Next Scheduled EDR Contact: 04/17/2023
Data Release Frequency: Varies

PFAS ECHO: Facilities in Industries that May Be Handling PFAS Listing

Regulators and the public have expressed interest in knowing which regulated entities may be using PFAS. EPA has developed a dataset from various sources that show which industries may be handling PFAS. Approximately 120,000 facilities subject to federal environmental programs have operated or currently operate in industry sectors with processes that may involve handling and/or release of PFAS.

Date of Government Version: 01/03/2022
Date Data Arrived at EDR: 03/31/2022
Date Made Active in Reports: 11/08/2022
Number of Days to Update: 222

Source: Environmental Protection Agency
Telephone: 202-272-0167
Last EDR Contact: 01/05/2023
Next Scheduled EDR Contact: 04/17/2023
Data Release Frequency: Varies

PFAS ECHO FIRE TRAINING: Facilities in Industries that May Be Handling PFAS Listing

A list of fire training sites was added to the Industry Sectors dataset using a keyword search on the permitted facilitys name to identify sites where fire-fighting foam may have been used in training exercises. Additionally, you may view an example spreadsheet of the subset of fire training facility data, as well as the keywords used in selecting or deselecting a facility for the subset. as well as the keywords used in selecting or deselecting a facility for the subset. These keywords were tested to maximize accuracy in selecting facilities that may use fire-fighting foam in training exercises, however, due to the lack of a required reporting field in the data systems for designating fire training sites, this methodology may not identify all fire training sites or may potentially misidentify them.

Date of Government Version: 08/22/2018
Date Data Arrived at EDR: 03/31/2022
Date Made Active in Reports: 11/08/2022
Number of Days to Update: 222

Source: Environmental Protection Agency
Telephone: 202-272-0167
Last EDR Contact: 01/05/2023
Next Scheduled EDR Contact: 04/17/2023
Data Release Frequency: Varies

PFAS PART 139 AIRPORT: All Certified Part 139 Airports PFAS Information Listing

Since July 1, 2006, all certified part 139 airports are required to have fire-fighting foam onsite that meet military specifications (MIL-F-24385) (14 CFR 139.317). To date, these military specification fire-fighting foams are fluorinated and have been historically used for training and extinguishing. The 2018 FAA Reauthorization Act has a provision stating that no later than October 2021, FAA shall not require the use of fluorinated AFFF. This provision does not prohibit the use of fluorinated AFFF at Part 139 civilian airports; it only prohibits FAA from mandating its use. The Federal Aviation Administration?s document AC 150/5210-6D - Aircraft Fire Extinguishing Agents provides guidance on Aircraft Fire Extinguishing Agents, which includes Aqueous Film Forming Foam (AFFF).

Date of Government Version: 08/22/2018
Date Data Arrived at EDR: 10/26/2022
Date Made Active in Reports: 11/08/2022
Number of Days to Update: 13

Source: Environmental Protection Agency
Telephone: 202-272-0167
Last EDR Contact: 01/05/2023
Next Scheduled EDR Contact: 04/17/2023
Data Release Frequency: Varies

AQUEOUS FOAM NRC: Aqueous Foam Related Incidents Listing

The National Response Center (NRC) serves as an emergency call center that fields initial reports for pollution and railroad incidents and forwards that information to appropriate federal/state agencies for response. The spreadsheets posted to the NRC website contain initial incident data that has not been validated or investigated by a federal/state response agency. Response center calls from 1990 to the most recent complete calendar year where there was indication of Aqueous Film Forming Foam (AFFF) usage are included in this dataset. NRC calls may reference AFFF usage in the ?Material Involved? or ?Incident Description? fields.

Date of Government Version: 02/23/2022
Date Data Arrived at EDR: 03/31/2022
Date Made Active in Reports: 11/08/2022
Number of Days to Update: 222

Source: Environmental Protection Agency
Telephone: 202-272-0167
Last EDR Contact: 01/05/2023
Next Scheduled EDR Contact: 04/17/2023
Data Release Frequency: Varies

PFAS: PFAS Contamination Site Location Listing

A listing of PFAS contaminated sites included in the GeoTracker database.

Date of Government Version: 12/02/2022
Date Data Arrived at EDR: 12/02/2022
Date Made Active in Reports: 02/23/2023
Number of Days to Update: 83

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 03/07/2023
Next Scheduled EDR Contact: 06/19/2023
Data Release Frequency: Varies

AQUEOUS FOAM: Former Fire Training Facility Assessments Listing

Airports shown on this list are those believed to use Aqueous Film Forming Foam (AFFF), and certified by the Federal Aviation Administration (FAA) under Title 14, Code of Federal Regulations (CFR), Part 139 (14 CFR Part 139). This list was created by SWRCB using information available from the FAA. Location points shown are from the latitude and longitude listed on the FAA airport master record.

Date of Government Version: 09/06/2022
Date Data Arrived at EDR: 09/06/2022
Date Made Active in Reports: 10/26/2022
Number of Days to Update: 50

Source: State Water Resources Control Board
Telephone: 916-341-5455
Last EDR Contact: 03/07/2023
Next Scheduled EDR Contact: 06/19/2023
Data Release Frequency: Varies

CA BOND EXP. PLAN: Bond Expenditure Plan

Department of Health Services developed a site-specific expenditure plan as the basis for an appropriation of Hazardous Substance Cleanup Bond Act funds. It is not updated.

Date of Government Version: 01/01/1989
Date Data Arrived at EDR: 07/27/1994
Date Made Active in Reports: 08/02/1994
Number of Days to Update: 6

Source: Department of Health Services
Telephone: 916-255-2118
Last EDR Contact: 05/31/1994
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

CORTESE: "Cortese" Hazardous Waste & Substances Sites List

The sites for the list are designated by the State Water Resource Control Board (LUST), the Integrated Waste Board (SWF/LS), and the Department of Toxic Substances Control (Cal-Sites).

Date of Government Version: 12/14/2022
Date Data Arrived at EDR: 12/14/2022
Date Made Active in Reports: 03/07/2023
Number of Days to Update: 83

Source: CAL EPA/Office of Emergency Information
Telephone: 916-323-3400
Last EDR Contact: 12/14/2022
Next Scheduled EDR Contact: 04/03/2023
Data Release Frequency: Quarterly

CUPA LIVERMORE-PLEASANTON: CUPA Facility Listing

list of facilities associated with the various CUPA programs in Livermore-Pleasanton

Date of Government Version: 12/07/2021
Date Data Arrived at EDR: 05/09/2022
Date Made Active in Reports: 05/17/2022
Number of Days to Update: 8

Source: Livermore-Pleasanton Fire Department
Telephone: 925-454-2361
Last EDR Contact: 02/10/2023
Next Scheduled EDR Contact: 05/22/2023
Data Release Frequency: Varies

DRYCLEANERS: Cleaner Facilities

A list of drycleaner related facilities that have EPA ID numbers. These are facilities with certain SIC codes: power laundries, family and commercial; garment pressing and cleaner's agents; linen supply; coin-operated laundries and cleaning; drycleaning plants, except rugs; carpet and upholster cleaning; industrial launderers; laundry and garment services.

Date of Government Version: 08/27/2021
Date Data Arrived at EDR: 09/01/2021
Date Made Active in Reports: 11/19/2021
Number of Days to Update: 79

Source: Department of Toxic Substance Control
Telephone: 916-327-4498
Last EDR Contact: 01/24/2023
Next Scheduled EDR Contact: 06/12/2023
Data Release Frequency: Annually

DRYCLEAN AVAQMD: Antelope Valley Air Quality Management District Drycleaner Listing

A listing of dry cleaners in the Antelope Valley Air Quality Management District.

Date of Government Version: 11/14/2022
Date Data Arrived at EDR: 11/14/2022
Date Made Active in Reports: 02/01/2023
Number of Days to Update: 79

Source: Antelope Valley Air Quality Management District
Telephone: 661-723-8070
Last EDR Contact: 02/23/2023
Next Scheduled EDR Contact: 06/12/2023
Data Release Frequency: Varies

DRYCLEAN SOUTH COAST: South Coast Air Quality Management District Drycleaner Listing

A listing of dry cleaners in the South Coast Air Quality Management District

Date of Government Version: 11/17/2022
Date Data Arrived at EDR: 11/30/2022
Date Made Active in Reports: 02/14/2023
Number of Days to Update: 76

Source: South Coast Air Quality Management District
Telephone: 909-396-3211
Last EDR Contact: 02/15/2023
Next Scheduled EDR Contact: 06/05/2023
Data Release Frequency: Varies

EMI: Emissions Inventory Data

Toxics and criteria pollutant emissions data collected by the ARB and local air pollution agencies.

Date of Government Version: 12/31/2020
Date Data Arrived at EDR: 06/13/2022
Date Made Active in Reports: 08/30/2022
Number of Days to Update: 78

Source: California Air Resources Board
Telephone: 916-322-2990
Last EDR Contact: 12/15/2022
Next Scheduled EDR Contact: 03/27/2023
Data Release Frequency: Varies

ENF: Enforcement Action Listing

A listing of Water Board Enforcement Actions. Formal is everything except Oral/Verbal Communication, Notice of Violation, Expedited Payment Letter, and Staff Enforcement Letter.

Date of Government Version: 10/17/2022
Date Data Arrived at EDR: 10/19/2022
Date Made Active in Reports: 01/10/2023
Number of Days to Update: 83

Source: State Water Resoruces Control Board
Telephone: 916-445-9379
Last EDR Contact: 01/18/2023
Next Scheduled EDR Contact: 05/01/2023
Data Release Frequency: Varies

Financial Assurance 1: Financial Assurance Information Listing

Financial Assurance information

Date of Government Version: 10/12/2022
Date Data Arrived at EDR: 10/12/2022
Date Made Active in Reports: 12/29/2022
Number of Days to Update: 78

Source: Department of Toxic Substances Control
Telephone: 916-255-3628
Last EDR Contact: 01/13/2023
Next Scheduled EDR Contact: 05/01/2023
Data Release Frequency: Varies

Financial Assurance 2: Financial Assurance Information Listing

A listing of financial assurance information for solid waste facilities. Financial assurance is intended to ensure that resources are available to pay for the cost of closure, post-closure care, and corrective measures if the owner or operator of a regulated facility is unable or unwilling to pay.

Date of Government Version: 11/08/2022
Date Data Arrived at EDR: 11/23/2022
Date Made Active in Reports: 02/13/2023
Number of Days to Update: 82

Source: California Integrated Waste Management Board
Telephone: 916-341-6066
Last EDR Contact: 02/03/2023
Next Scheduled EDR Contact: 05/22/2023
Data Release Frequency: Varies

ICE: ICE
Contains data pertaining to the Permitted Facilities with Inspections / Enforcements sites tracked in Envirostor.

Date of Government Version: 11/10/2022
Date Data Arrived at EDR: 11/10/2022
Date Made Active in Reports: 02/01/2023
Number of Days to Update: 83

Source: Department of Toxic Subsances Control
Telephone: 877-786-9427
Last EDR Contact: 02/14/2023
Next Scheduled EDR Contact: 05/29/2023
Data Release Frequency: Quarterly

HIST CORTESE: Hazardous Waste & Substance Site List
The sites for the list are designated by the State Water Resource Control Board [LUST], the Integrated Waste Board [SWF/LS], and the Department of Toxic Substances Control [CALSITES]. This listing is no longer updated by the state agency.

Date of Government Version: 04/01/2001
Date Data Arrived at EDR: 01/22/2009
Date Made Active in Reports: 04/08/2009
Number of Days to Update: 76

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 01/22/2009
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

HWP: EnviroStor Permitted Facilities Listing
Detailed information on permitted hazardous waste facilities and corrective action ("cleanups") tracked in EnviroStor.

Date of Government Version: 11/10/2022
Date Data Arrived at EDR: 11/10/2022
Date Made Active in Reports: 02/01/2023
Number of Days to Update: 83

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 02/14/2023
Next Scheduled EDR Contact: 05/29/2023
Data Release Frequency: Quarterly

HWT: Registered Hazardous Waste Transporter Database
A listing of hazardous waste transporters. In California, unless specifically exempted, it is unlawful for any person to transport hazardous wastes unless the person holds a valid registration issued by DTSC. A hazardous waste transporter registration is valid for one year and is assigned a unique registration number.

Date of Government Version: 10/03/2022
Date Data Arrived at EDR: 10/03/2022
Date Made Active in Reports: 12/15/2022
Number of Days to Update: 73

Source: Department of Toxic Substances Control
Telephone: 916-440-7145
Last EDR Contact: 01/04/2023
Next Scheduled EDR Contact: 04/17/2023
Data Release Frequency: Quarterly

HAZNET: Facility and Manifest Data
Facility and Manifest Data. The data is extracted from the copies of hazardous waste manifests received each year by the DTSC. The annual volume of manifests is typically 700,000 - 1,000,000 annually, representing approximately 350,000 - 500,000 shipments. Data are from the manifests submitted without correction, and therefore many contain some invalid values for data elements such as generator ID, TSD ID, waste category, and disposal method. This database begins with calendar year 1993.

Date of Government Version: 12/31/2021
Date Data Arrived at EDR: 07/05/2022
Date Made Active in Reports: 09/19/2022
Number of Days to Update: 76

Source: California Environmental Protection Agency
Telephone: 916-255-1136
Last EDR Contact: 01/06/2023
Next Scheduled EDR Contact: 04/17/2023
Data Release Frequency: Annually

MINES: Mines Site Location Listing
A listing of mine site locations from the Office of Mine Reclamation.

Date of Government Version: 12/02/2022
Date Data Arrived at EDR: 12/02/2022
Date Made Active in Reports: 02/22/2023
Number of Days to Update: 82

Source: Department of Conservation
Telephone: 916-322-1080
Last EDR Contact: 03/07/2023
Next Scheduled EDR Contact: 06/19/2023
Data Release Frequency: Quarterly

MWMP: Medical Waste Management Program Listing
The Medical Waste Management Program (MWMP) ensures the proper handling and disposal of medical waste by permitting and inspecting medical waste Offsite Treatment Facilities (PDF) and Transfer Stations (PDF) throughout the state. MWMP also oversees all Medical Waste Transporters.

Date of Government Version: 10/31/2022
Date Data Arrived at EDR: 11/29/2022
Date Made Active in Reports: 02/14/2023
Number of Days to Update: 77

Source: Department of Public Health
Telephone: 916-558-1784
Last EDR Contact: 02/28/2023
Next Scheduled EDR Contact: 06/12/2023
Data Release Frequency: Varies

NPDES: NPDES Permits Listing
A listing of NPDES permits, including stormwater.

Date of Government Version: 11/03/2022
Date Data Arrived at EDR: 11/03/2022
Date Made Active in Reports: 01/25/2023
Number of Days to Update: 83

Source: State Water Resources Control Board
Telephone: 916-445-9379
Last EDR Contact: 02/07/2023
Next Scheduled EDR Contact: 05/22/2023
Data Release Frequency: Quarterly

PEST LIC: Pesticide Regulation Licenses Listing
A listing of licenses and certificates issued by the Department of Pesticide Regulation. The DPR issues licenses and/or certificates to: Persons and businesses that apply or sell pesticides; Pest control dealers and brokers; Persons who advise on agricultural pesticide applications.

Date of Government Version: 11/28/2022
Date Data Arrived at EDR: 11/29/2022
Date Made Active in Reports: 02/14/2023
Number of Days to Update: 77

Source: Department of Pesticide Regulation
Telephone: 916-445-4038
Last EDR Contact: 02/28/2023
Next Scheduled EDR Contact: 06/12/2023
Data Release Frequency: Quarterly

PROC: Certified Processors Database
A listing of certified processors.

Date of Government Version: 12/02/2022
Date Data Arrived at EDR: 12/02/2022
Date Made Active in Reports: 02/22/2023
Number of Days to Update: 82

Source: Department of Conservation
Telephone: 916-323-3836
Last EDR Contact: 03/07/2023
Next Scheduled EDR Contact: 06/19/2023
Data Release Frequency: Quarterly

NOTIFY 65: Proposition 65 Records
Listings of all Proposition 65 incidents reported to counties by the State Water Resources Control Board and the Regional Water Quality Control Board. This database is no longer updated by the reporting agency.

Date of Government Version: 12/07/2022
Date Data Arrived at EDR: 12/07/2022
Date Made Active in Reports: 03/01/2023
Number of Days to Update: 84

Source: State Water Resources Control Board
Telephone: 916-445-3846
Last EDR Contact: 03/09/2023
Next Scheduled EDR Contact: 06/26/2023
Data Release Frequency: No Update Planned

UIC: UIC Listing
A listing of wells identified as underground injection wells, in the California Oil and Gas Wells database.

Date of Government Version: 12/02/2022
Date Data Arrived at EDR: 12/02/2022
Date Made Active in Reports: 02/22/2023
Number of Days to Update: 82

Source: Deaprtment of Conservation
Telephone: 916-445-2408
Last EDR Contact: 03/07/2023
Next Scheduled EDR Contact: 06/19/2023
Data Release Frequency: Varies

UIC GEO: Underground Injection Control Sites (GEOTRACKER)
Underground control injection sites

Date of Government Version: 12/02/2022
Date Data Arrived at EDR: 12/02/2022
Date Made Active in Reports: 02/21/2023
Number of Days to Update: 81

Source: State Water Resource Control Board
Telephone: 866-480-1028
Last EDR Contact: 03/07/2023
Next Scheduled EDR Contact: 06/19/2023
Data Release Frequency: Varies

WASTEWATER PITS: Oil Wastewater Pits Listing
Water officials discovered that oil producers have been dumping chemical-laden wastewater into hundreds of unlined pits that are operating without proper permits. Inspections completed by the Central Valley Regional Water Quality Control Board revealed the existence of previously unidentified waste sites. The water boards review found that more than one-third of the region's active disposal pits are operating without permission.

Date of Government Version: 02/11/2021
Date Data Arrived at EDR: 07/01/2021
Date Made Active in Reports: 09/29/2021
Number of Days to Update: 90

Source: RWQCB, Central Valley Region
Telephone: 559-445-5577
Last EDR Contact: 01/06/2023
Next Scheduled EDR Contact: 04/17/2023
Data Release Frequency: Varies

WDS: Waste Discharge System
Sites which have been issued waste discharge requirements.

Date of Government Version: 06/19/2007
Date Data Arrived at EDR: 06/20/2007
Date Made Active in Reports: 06/29/2007
Number of Days to Update: 9

Source: State Water Resources Control Board
Telephone: 916-341-5227
Last EDR Contact: 02/13/2023
Next Scheduled EDR Contact: 05/29/2023
Data Release Frequency: No Update Planned

WIP: Well Investigation Program Case List
Well Investigation Program case in the San Gabriel and San Fernando Valley area.

Date of Government Version: 07/03/2009
Date Data Arrived at EDR: 07/21/2009
Date Made Active in Reports: 08/03/2009
Number of Days to Update: 13

Source: Los Angeles Water Quality Control Board
Telephone: 213-576-6726
Last EDR Contact: 12/13/2022
Next Scheduled EDR Contact: 04/03/2023
Data Release Frequency: No Update Planned

MILITARY PRIV SITES: Military Privatized Sites (GEOTRACKER)
Military privatized sites

Date of Government Version: 12/02/2022
Date Data Arrived at EDR: 12/02/2022
Date Made Active in Reports: 02/21/2023
Number of Days to Update: 81

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 03/07/2023
Next Scheduled EDR Contact: 06/19/2023
Data Release Frequency: Varies

PROJECT: Project Sites (GEOTRACKER)
Projects sites

Date of Government Version: 12/02/2022
Date Data Arrived at EDR: 12/02/2022
Date Made Active in Reports: 02/21/2023
Number of Days to Update: 81

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 03/07/2023
Next Scheduled EDR Contact: 06/19/2023
Data Release Frequency: Varies

WDR: Waste Discharge Requirements Listing

In general, the Waste Discharge Requirements (WDRs) Program (sometimes also referred to as the "Non Chapter 15 (Non 15) Program") regulates point discharges that are exempt pursuant to Subsection 20090 of Title 27 and not subject to the Federal Water Pollution Control Act. Exemptions from Title 27 may be granted for nine categories of discharges (e.g., sewage, wastewater, etc.) that meet, and continue to meet, the preconditions listed for each specific exemption. The scope of the WDRs Program also includes the discharge of wastes classified as inert, pursuant to section 20230 of Title 27.

Date of Government Version: 12/02/2022
Date Data Arrived at EDR: 12/02/2022
Date Made Active in Reports: 02/23/2023
Number of Days to Update: 83

Source: State Water Resources Control Board
Telephone: 916-341-5810
Last EDR Contact: 03/07/2023
Next Scheduled EDR Contact: 06/19/2023
Data Release Frequency: Quarterly

CIWQS: California Integrated Water Quality System

The California Integrated Water Quality System (CIWQS) is a computer system used by the State and Regional Water Quality Control Boards to track information about places of environmental interest, manage permits and other orders, track inspections, and manage violations and enforcement activities.

Date of Government Version: 11/28/2022
Date Data Arrived at EDR: 11/29/2022
Date Made Active in Reports: 02/13/2023
Number of Days to Update: 76

Source: State Water Resources Control Board
Telephone: 866-794-4977
Last EDR Contact: 02/28/2023
Next Scheduled EDR Contact: 06/12/2023
Data Release Frequency: Varies

CERS: CalEPA Regulated Site Portal Data

The CalEPA Regulated Site Portal database combines data about environmentally regulated sites and facilities in California into a single database. It combines data from a variety of state and federal databases, and provides an overview of regulated activities across the spectrum of environmental programs for any given location in California. These activities include hazardous materials and waste, state and federal cleanups, impacted ground and surface waters, and toxic materials

Date of Government Version: 01/05/2023
Date Data Arrived at EDR: 01/06/2023
Date Made Active in Reports: 01/10/2023
Number of Days to Update: 4

Source: California Environmental Protection Agency
Telephone: 916-323-2514
Last EDR Contact: 01/06/2023
Next Scheduled EDR Contact: 05/01/2023
Data Release Frequency: Varies

NON-CASE INFO: Non-Case Information Sites (GEOTRACKER)

Non-Case Information sites

Date of Government Version: 12/02/2022
Date Data Arrived at EDR: 12/02/2022
Date Made Active in Reports: 02/21/2023
Number of Days to Update: 81

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 03/07/2023
Next Scheduled EDR Contact: 06/19/2023
Data Release Frequency: Varies

OTHER OIL GAS: Other Oil & Gas Projects Sites (GEOTRACKER)

Other Oil & Gas Projects sites

Date of Government Version: 12/02/2022
Date Data Arrived at EDR: 12/02/2022
Date Made Active in Reports: 02/21/2023
Number of Days to Update: 81

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 03/07/2023
Next Scheduled EDR Contact: 06/19/2023
Data Release Frequency: Varies

PROD WATER PONDS: Produced Water Ponds Sites (GEOTRACKER)
Produced water ponds sites

Date of Government Version: 12/02/2022
Date Data Arrived at EDR: 12/02/2022
Date Made Active in Reports: 02/21/2023
Number of Days to Update: 81

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 03/07/2023
Next Scheduled EDR Contact: 06/19/2023
Data Release Frequency: Varies

SAMPLING POINT: Sampling Point ? Public Sites (GEOTRACKER)
Sampling point - public sites

Date of Government Version: 12/02/2022
Date Data Arrived at EDR: 12/02/2022
Date Made Active in Reports: 02/21/2023
Number of Days to Update: 81

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 03/07/2023
Next Scheduled EDR Contact: 06/19/2023
Data Release Frequency: Varies

WELL STIM PROJ: Well Stimulation Project (GEOTRACKER)
Includes areas of groundwater monitoring plans, a depiction of the monitoring network, and the facilities, boundaries, and subsurface characteristics of the oilfield and the features (oil and gas wells, produced water ponds, UIC wells, water supply wells, etc?) being monitored

Date of Government Version: 12/02/2022
Date Data Arrived at EDR: 12/02/2022
Date Made Active in Reports: 02/21/2023
Number of Days to Update: 81

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 03/07/2023
Next Scheduled EDR Contact: 06/19/2023
Data Release Frequency: Varies

PCS: Permit Compliance System
PCS is a computerized management information system that contains data on National Pollutant Discharge Elimination System (NPDES) permit holding facilities. PCS tracks the permit, compliance, and enforcement status of NPDES facilities.

Date of Government Version: 07/14/2011
Date Data Arrived at EDR: 08/05/2011
Date Made Active in Reports: 09/29/2011
Number of Days to Update: 55

Source: EPA, Office of Water
Telephone: 202-564-2496
Last EDR Contact: 12/28/2022
Next Scheduled EDR Contact: 04/17/2023
Data Release Frequency: Semi-Annually

HWTS: Hazardous Waste Tracking System
DTSC maintains the Hazardous Waste Tracking System that stores ID number information since the early 1980s and manifest data since 1993. The system collects both manifest copies from the generator and destination facility.

Date of Government Version: 04/05/2022
Date Data Arrived at EDR: 04/05/2022
Date Made Active in Reports: 04/26/2022
Number of Days to Update: 21

Source: Department of Toxic Substances Control
Telephone: 916-324-2444
Last EDR Contact: 01/03/2023
Next Scheduled EDR Contact: 04/17/2023
Data Release Frequency: Varies

MINES MRDS: Mineral Resources Data System
Mineral Resources Data System

Date of Government Version: 08/23/2022
Date Data Arrived at EDR: 11/22/2022
Date Made Active in Reports: 02/28/2023
Number of Days to Update: 98

Source: USGS
Telephone: 703-648-6533
Last EDR Contact: 02/24/2023
Next Scheduled EDR Contact: 06/05/2023
Data Release Frequency: Varies

PCS ENF: Enforcement data
No description is available for this data

Date of Government Version: 12/31/2014
Date Data Arrived at EDR: 02/05/2015
Date Made Active in Reports: 03/06/2015
Number of Days to Update: 29

Source: EPA
Telephone: 202-564-2497
Last EDR Contact: 12/28/2022
Next Scheduled EDR Contact: 04/17/2023
Data Release Frequency: Varies

PCS INACTIVE: Listing of Inactive PCS Permits
An inactive permit is a facility that has shut down or is no longer discharging.

Date of Government Version: 11/05/2014
Date Data Arrived at EDR: 01/06/2015
Date Made Active in Reports: 05/06/2015
Number of Days to Update: 120

Source: EPA
Telephone: 202-564-2496
Last EDR Contact: 12/28/2022
Next Scheduled EDR Contact: 04/17/2023
Data Release Frequency: Semi-Annually

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP: EDR Proprietary Manufactured Gas Plants
The EDR Proprietary Manufactured Gas Plant Database includes records of coal gas plants (manufactured gas plants) compiled by EDR's researchers. Manufactured gas sites were used in the United States from the 1800's to 1950's to produce a gas that could be distributed and used as fuel. These plants used whale oil, rosin, coal, or a mixture of coal, oil, and water that also produced a significant amount of waste. Many of the byproducts of the gas production, such as coal tar (oily waste containing volatile and non-volatile chemicals), sludges, oils and other compounds are potentially hazardous to human health and the environment. The byproduct from this process was frequently disposed of directly at the plant site and can remain or spread slowly, serving as a continuous source of soil and groundwater contamination.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

EDR Hist Auto: EDR Exclusive Historical Auto Stations
EDR has searched selected national collections of business directories and has collected listings of potential gas station/filling station/service station sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include gas station/filling station/service station establishments. The categories reviewed included, but were not limited to gas, gas station, gasoline station, filling station, auto, automobile repair, auto service station, service station, etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

EDR Hist Cleaner: EDR Exclusive Historical Cleaners
EDR has searched selected national collections of business directories and has collected listings of potential dry cleaner sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include dry cleaning establishments. The categories reviewed included, but were not limited to dry cleaners, cleaners, laundry, laundromat, cleaning/laundry, wash & dry etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

RGA LF: Recovered Government Archive Solid Waste Facilities List
The EDR Recovered Government Archive Landfill database provides a list of landfills derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the Department of Resources Recycling and Recovery in California.

Date of Government Version: N/A
Date Data Arrived at EDR: 07/01/2013
Date Made Active in Reports: 01/13/2014
Number of Days to Update: 196

Source: Department of Resources Recycling and Recovery
Telephone: N/A
Last EDR Contact: 06/01/2012
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

RGA LUST: Recovered Government Archive Leaking Underground Storage Tank
The EDR Recovered Government Archive Leaking Underground Storage Tank database provides a list of LUST incidents derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the State Water Resources Control Board in California.

Date of Government Version: N/A
Date Data Arrived at EDR: 07/01/2013
Date Made Active in Reports: 12/30/2013
Number of Days to Update: 182

Source: State Water Resources Control Board
Telephone: N/A
Last EDR Contact: 06/01/2012
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

COUNTY RECORDS

ALAMEDA COUNTY:

CS ALAMEDA: Contaminated Sites
A listing of contaminated sites overseen by the Toxic Release Program (oil and groundwater contamination from chemical releases and spills) and the Leaking Underground Storage Tank Program (soil and ground water contamination from leaking petroleum USTs).

Date of Government Version: 01/09/2019
Date Data Arrived at EDR: 01/11/2019
Date Made Active in Reports: 03/05/2019
Number of Days to Update: 53

Source: Alameda County Environmental Health Services
Telephone: 510-567-6700
Last EDR Contact: 12/28/2022
Next Scheduled EDR Contact: 04/17/2023
Data Release Frequency: Semi-Annually

UST ALAMEDA: Underground Tanks
Underground storage tank sites located in Alameda county.

Date of Government Version: 09/28/2022
Date Data Arrived at EDR: 09/29/2022
Date Made Active in Reports: 12/14/2022
Number of Days to Update: 76

Source: Alameda County Environmental Health Services
Telephone: 510-567-6700
Last EDR Contact: 12/28/2022
Next Scheduled EDR Contact: 04/17/2023
Data Release Frequency: Semi-Annually

AMADOR COUNTY:

CUPA AMADOR: CUPA Facility List
Cupa Facility List

Date of Government Version: 07/22/2022
Date Data Arrived at EDR: 07/27/2022
Date Made Active in Reports: 08/01/2022
Number of Days to Update: 5

Source: Amador County Environmental Health
Telephone: 209-223-6439
Last EDR Contact: 01/27/2023
Next Scheduled EDR Contact: 05/15/2023
Data Release Frequency: Varies

BUTTE COUNTY:

CUPA BUTTE: CUPA Facility Listing
Cupa facility list.

Date of Government Version: 04/21/2017
Date Data Arrived at EDR: 04/25/2017
Date Made Active in Reports: 08/09/2017
Number of Days to Update: 106

Source: Public Health Department
Telephone: 530-538-7149
Last EDR Contact: 12/28/2022
Next Scheduled EDR Contact: 04/17/2023
Data Release Frequency: No Update Planned

CALVERAS COUNTY:

CUPA CALVERAS: CUPA Facility Listing
Cupa Facility Listing

Date of Government Version: 12/13/2022
Date Data Arrived at EDR: 12/15/2022
Date Made Active in Reports: 12/21/2022
Number of Days to Update: 6

Source: Calveras County Environmental Health
Telephone: 209-754-6399
Last EDR Contact: 12/13/2022
Next Scheduled EDR Contact: 04/03/2023
Data Release Frequency: Quarterly

COLUSA COUNTY:

CUPA COLUSA: CUPA Facility List
Cupa facility list.

Date of Government Version: 04/06/2020
Date Data Arrived at EDR: 04/23/2020
Date Made Active in Reports: 07/10/2020
Number of Days to Update: 78

Source: Health & Human Services
Telephone: 530-458-0396
Last EDR Contact: 01/17/2023
Next Scheduled EDR Contact: 05/15/2023
Data Release Frequency: Semi-Annually

CONTRA COSTA COUNTY:

SL CONTRA COSTA: Site List
List includes sites from the underground tank, hazardous waste generator and business plan/2185 programs.

Date of Government Version: 10/20/2022
Date Data Arrived at EDR: 10/21/2022
Date Made Active in Reports: 01/10/2023
Number of Days to Update: 81

Source: Contra Costa Health Services Department
Telephone: 925-646-2286
Last EDR Contact: 01/20/2023
Next Scheduled EDR Contact: 05/08/2023
Data Release Frequency: Semi-Annually

DEL NORTE COUNTY:

CUPA DEL NORTE: CUPA Facility List
Cupa Facility list

Date of Government Version: 05/04/2022
Date Data Arrived at EDR: 05/06/2022
Date Made Active in Reports: 07/28/2022
Number of Days to Update: 83

Source: Del Norte County Environmental Health Division
Telephone: 707-465-0426
Last EDR Contact: 02/03/2023
Next Scheduled EDR Contact: 05/08/2023
Data Release Frequency: Varies

EL DORADO COUNTY:

CUPA EL DORADO: CUPA Facility List
CUPA facility list.

Date of Government Version: 08/08/2022
Date Data Arrived at EDR: 08/09/2022
Date Made Active in Reports: 09/01/2022
Number of Days to Update: 23

Source: El Dorado County Environmental Management Department
Telephone: 530-621-6623
Last EDR Contact: 01/20/2023
Next Scheduled EDR Contact: 05/08/2023
Data Release Frequency: Varies

FRESNO COUNTY:

CUPA FRESNO: CUPA Resources List
Certified Unified Program Agency. CUPA's are responsible for implementing a unified hazardous materials and hazardous waste management regulatory program. The agency provides oversight of businesses that deal with hazardous materials, operate underground storage tanks or aboveground storage tanks.

Date of Government Version: 06/28/2021
Date Data Arrived at EDR: 12/21/2021
Date Made Active in Reports: 03/03/2022
Number of Days to Update: 72

Source: Dept. of Community Health
Telephone: 559-445-3271
Last EDR Contact: 12/29/2022
Next Scheduled EDR Contact: 04/10/2023
Data Release Frequency: Semi-Annually

GLENN COUNTY:

CUPA GLENN: CUPA Facility List
Cupa facility list

Date of Government Version: 01/22/2018
Date Data Arrived at EDR: 01/24/2018
Date Made Active in Reports: 03/14/2018
Number of Days to Update: 49

Source: Glenn County Air Pollution Control District
Telephone: 830-934-6500
Last EDR Contact: 01/13/2023
Next Scheduled EDR Contact: 05/01/2023
Data Release Frequency: No Update Planned

HUMBOLDT COUNTY:

CUPA HUMBOLDT: CUPA Facility List
CUPA facility list.

Date of Government Version: 08/12/2021
Date Data Arrived at EDR: 08/12/2021
Date Made Active in Reports: 11/08/2021
Number of Days to Update: 88

Source: Humboldt County Environmental Health
Telephone: N/A
Last EDR Contact: 02/09/2023
Next Scheduled EDR Contact: 05/29/2023
Data Release Frequency: Semi-Annually

IMPERIAL COUNTY:

CUPA IMPERIAL: CUPA Facility List
Cupa facility list.

Date of Government Version: 10/11/2022
Date Data Arrived at EDR: 10/12/2022
Date Made Active in Reports: 12/29/2022
Number of Days to Update: 78

Source: San Diego Border Field Office
Telephone: 760-339-2777
Last EDR Contact: 01/13/2023
Next Scheduled EDR Contact: 05/01/2023
Data Release Frequency: Varies

INYO COUNTY:

CUPA INYO: CUPA Facility List
Cupa facility list.

Date of Government Version: 04/02/2018
Date Data Arrived at EDR: 04/03/2018
Date Made Active in Reports: 06/14/2018
Number of Days to Update: 72

Source: Inyo County Environmental Health Services
Telephone: 760-878-0238
Last EDR Contact: 02/09/2023
Next Scheduled EDR Contact: 05/29/2023
Data Release Frequency: Varies

KERN COUNTY:

CUPA KERN: CUPA Facility List
A listing of sites included in the Kern County Hazardous Material Business Plan.

Date of Government Version: 10/03/2022
Date Data Arrived at EDR: 10/05/2022
Date Made Active in Reports: 12/16/2022
Number of Days to Update: 72

Source: Kern County Public Health
Telephone: 661-321-3000
Last EDR Contact: 01/27/2023
Next Scheduled EDR Contact: 05/15/2023
Data Release Frequency: Varies

UST KERN: Underground Storage Tank Sites & Tank Listing
Kern County Sites and Tanks Listing.

Date of Government Version: 10/03/2022
Date Data Arrived at EDR: 10/05/2022
Date Made Active in Reports: 12/16/2022
Number of Days to Update: 72

Source: Kern County Environment Health Services Department
Telephone: 661-862-8700
Last EDR Contact: 01/27/2023
Next Scheduled EDR Contact: 05/15/2023
Data Release Frequency: Quarterly

KINGS COUNTY:

CUPA KINGS: CUPA Facility List
A listing of sites included in the county's Certified Unified Program Agency database. California's Secretary for Environmental Protection established the unified hazardous materials and hazardous waste regulatory program as required by chapter 6.11 of the California Health and Safety Code. The Unified Program consolidates the administration, permits, inspections, and enforcement activities.

Date of Government Version: 12/03/2020
Date Data Arrived at EDR: 01/26/2021
Date Made Active in Reports: 04/14/2021
Number of Days to Update: 78

Source: Kings County Department of Public Health
Telephone: 559-584-1411
Last EDR Contact: 02/09/2023
Next Scheduled EDR Contact: 05/29/2023
Data Release Frequency: Varies

LAKE COUNTY:

CUPA LAKE: CUPA Facility List
Cupa facility list

Date of Government Version: 11/04/2022
Date Data Arrived at EDR: 11/07/2022
Date Made Active in Reports: 01/25/2023
Number of Days to Update: 79

Source: Lake County Environmental Health
Telephone: 707-263-1164
Last EDR Contact: 01/09/2023
Next Scheduled EDR Contact: 04/24/2023
Data Release Frequency: Varies

LASSEN COUNTY:

CUPA LASSEN: CUPA Facility List
Cupa facility list

Date of Government Version: 07/31/2020
Date Data Arrived at EDR: 08/21/2020
Date Made Active in Reports: 11/09/2020
Number of Days to Update: 80

Source: Lassen County Environmental Health
Telephone: 530-251-8528
Last EDR Contact: 01/13/2023
Next Scheduled EDR Contact: 05/01/2023
Data Release Frequency: Varies

LOS ANGELES COUNTY:

AOCONCERN: Key Areas of Concerns in Los Angeles County
San Gabriel Valley areas where VOC contamination is at or above the MCL as designated by region 9 EPA office. Date of Government Version: 3/30/2009 Exide Site area is a cleanup plan of lead-impacted soil surrounding the former Exide Facility as designated by the DTSC. Date of Government Version: 7/17/2017

Date of Government Version: 03/30/2009
Date Data Arrived at EDR: 03/31/2009
Date Made Active in Reports: 10/23/2009
Number of Days to Update: 206

Source: N/A
Telephone: N/A
Last EDR Contact: 03/09/2023
Next Scheduled EDR Contact: 06/26/2023
Data Release Frequency: No Update Planned

HMS LOS ANGELES: HMS: Street Number List
Industrial Waste and Underground Storage Tank Sites.

Date of Government Version: 10/03/2022
Date Data Arrived at EDR: 10/04/2022
Date Made Active in Reports: 12/15/2022
Number of Days to Update: 72

Source: Department of Public Works
Telephone: 626-458-3517
Last EDR Contact: 12/28/2022
Next Scheduled EDR Contact: 04/17/2023
Data Release Frequency: Semi-Annually

LF LOS ANGELES: List of Solid Waste Facilities
Solid Waste Facilities in Los Angeles County.

Date of Government Version: 10/07/2022
Date Data Arrived at EDR: 10/07/2022
Date Made Active in Reports: 12/21/2022
Number of Days to Update: 75

Source: La County Department of Public Works
Telephone: 818-458-5185
Last EDR Contact: 01/10/2023
Next Scheduled EDR Contact: 04/24/2023
Data Release Frequency: Varies

LF LOS ANGELES CITY: City of Los Angeles Landfills
Landfills owned and maintained by the City of Los Angeles.

Date of Government Version: 01/01/2022
Date Data Arrived at EDR: 01/21/2022
Date Made Active in Reports: 04/11/2022
Number of Days to Update: 80

Source: Engineering & Construction Division
Telephone: 213-473-7869
Last EDR Contact: 01/05/2023
Next Scheduled EDR Contact: 04/24/2023
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

LOS ANGELES AST: Active & Inactive AST Inventory
A listing of active & inactive above ground petroleum storage tank site locations, located in the City of Los Angeles.

Date of Government Version: 06/01/2019
Date Data Arrived at EDR: 06/25/2019
Date Made Active in Reports: 08/22/2019
Number of Days to Update: 58

Source: Los Angeles Fire Department
Telephone: 213-978-3800
Last EDR Contact: 12/13/2022
Next Scheduled EDR Contact: 04/03/2023
Data Release Frequency: Varies

LOS ANGELES CO LF METHANE: Methane Producing Landfills
This data was created on April 30, 2012 to represent known disposal sites in Los Angeles County that may produce and emanate methane gas. The shapefile contains disposal sites within Los Angeles County that once accepted degradable refuse material. Information used to create this data was extracted from a landfill survey performed by County Engineers (Major Waste System Map, 1973) as well as historical records from CalRecycle, Regional Water Quality Control Board, and Los Angeles County Department of Public Health

Date of Government Version: 01/10/2022
Date Data Arrived at EDR: 01/12/2022
Date Made Active in Reports: 04/04/2022
Number of Days to Update: 82

Source: Los Angeles County Department of Public Works
Telephone: 626-458-6973
Last EDR Contact: 01/05/2023
Next Scheduled EDR Contact: 04/24/2023
Data Release Frequency: No Update Planned

LOS ANGELES HM: Active & Inactive Hazardous Materials Inventory
A listing of active & inactive hazardous materials facility locations, located in the City of Los Angeles.

Date of Government Version: 11/01/2022
Date Data Arrived at EDR: 12/14/2022
Date Made Active in Reports: 03/07/2023
Number of Days to Update: 83

Source: Los Angeles Fire Department
Telephone: 213-978-3800
Last EDR Contact: 12/14/2022
Next Scheduled EDR Contact: 04/03/2023
Data Release Frequency: Varies

LOS ANGELES UST: Active & Inactive UST Inventory
A listing of active & inactive underground storage tank site locations and underground storage tank historical sites, located in the City of Los Angeles.

Date of Government Version: 11/01/2022
Date Data Arrived at EDR: 12/14/2022
Date Made Active in Reports: 03/07/2023
Number of Days to Update: 83

Source: Los Angeles Fire Department
Telephone: 213-978-3800
Last EDR Contact: 12/14/2022
Next Scheduled EDR Contact: 04/03/2023
Data Release Frequency: Varies

SITE MIT LOS ANGELES: Site Mitigation List
Industrial sites that have had some sort of spill or complaint.

Date of Government Version: 05/26/2021
Date Data Arrived at EDR: 07/09/2021
Date Made Active in Reports: 09/29/2021
Number of Days to Update: 82

Source: Community Health Services
Telephone: 323-890-7806
Last EDR Contact: 01/20/2023
Next Scheduled EDR Contact: 05/01/2023
Data Release Frequency: Annually

UST EL SEGUNDO: City of El Segundo Underground Storage Tank
Underground storage tank sites located in El Segundo city.

Date of Government Version: 01/21/2017
Date Data Arrived at EDR: 04/19/2017
Date Made Active in Reports: 05/10/2017
Number of Days to Update: 21

Source: City of El Segundo Fire Department
Telephone: 310-524-2236
Last EDR Contact: 01/05/2023
Next Scheduled EDR Contact: 04/24/2023
Data Release Frequency: No Update Planned

UST LONG BEACH: City of Long Beach Underground Storage Tank
Underground storage tank sites located in the city of Long Beach.

Date of Government Version: 04/22/2019
Date Data Arrived at EDR: 04/23/2019
Date Made Active in Reports: 06/27/2019
Number of Days to Update: 65

Source: City of Long Beach Fire Department
Telephone: 562-570-2563
Last EDR Contact: 01/20/2023
Next Scheduled EDR Contact: 05/01/2023
Data Release Frequency: Varies

UST TORRANCE: City of Torrance Underground Storage Tank
Underground storage tank sites located in the city of Torrance.

Date of Government Version: 10/18/2022
Date Data Arrived at EDR: 10/19/2022
Date Made Active in Reports: 01/10/2023
Number of Days to Update: 83

Source: City of Torrance Fire Department
Telephone: 310-618-2973
Last EDR Contact: 01/13/2023
Next Scheduled EDR Contact: 05/01/2023
Data Release Frequency: Semi-Annually

MADERA COUNTY:

CUPA MADERA: CUPA Facility List
A listing of sites included in the county's Certified Unified Program Agency database. California's Secretary for Environmental Protection established the unified hazardous materials and hazardous waste regulatory program as required by chapter 6.11 of the California Health and Safety Code. The Unified Program consolidates the administration, permits, inspections, and enforcement activities.

Date of Government Version: 08/10/2020
Date Data Arrived at EDR: 08/12/2020
Date Made Active in Reports: 10/23/2020
Number of Days to Update: 72

Source: Madera County Environmental Health
Telephone: 559-675-7823
Last EDR Contact: 02/09/2023
Next Scheduled EDR Contact: 05/29/2023
Data Release Frequency: Varies

MARIN COUNTY:

UST MARIN: Underground Storage Tank Sites
Currently permitted USTs in Marin County.

Date of Government Version: 09/26/2018
Date Data Arrived at EDR: 10/04/2018
Date Made Active in Reports: 11/02/2018
Number of Days to Update: 29

Source: Public Works Department Waste Management
Telephone: 415-473-6647
Last EDR Contact: 12/19/2022
Next Scheduled EDR Contact: 04/10/2023
Data Release Frequency: Semi-Annually

MENDOCINO COUNTY:

UST MENDOCINO: Mendocino County UST Database
A listing of underground storage tank locations in Mendocino County.

Date of Government Version: 09/22/2021
Date Data Arrived at EDR: 11/18/2021
Date Made Active in Reports: 11/22/2021
Number of Days to Update: 4

Source: Department of Public Health
Telephone: 707-463-4466
Last EDR Contact: 02/15/2023
Next Scheduled EDR Contact: 06/05/2023
Data Release Frequency: Annually

MERCED COUNTY:

CUPA MERCED: CUPA Facility List
CUPA facility list.

Date of Government Version: 02/15/2022
Date Data Arrived at EDR: 02/17/2022
Date Made Active in Reports: 05/11/2022
Number of Days to Update: 83

Source: Merced County Environmental Health
Telephone: 209-381-1094
Last EDR Contact: 01/31/2023
Next Scheduled EDR Contact: 05/29/2023
Data Release Frequency: Varies

MONO COUNTY:

CUPA MONO: CUPA Facility List
CUPA Facility List

Date of Government Version: 02/22/2021
Date Data Arrived at EDR: 03/02/2021
Date Made Active in Reports: 05/19/2021
Number of Days to Update: 78

Source: Mono County Health Department
Telephone: 760-932-5580
Last EDR Contact: 02/15/2023
Next Scheduled EDR Contact: 06/05/2023
Data Release Frequency: Varies

MONTEREY COUNTY:

CUPA MONTEREY: CUPA Facility Listing
CUPA Program listing from the Environmental Health Division.

Date of Government Version: 10/04/2021
Date Data Arrived at EDR: 10/06/2021
Date Made Active in Reports: 12/29/2021
Number of Days to Update: 84

Source: Monterey County Health Department
Telephone: 831-796-1297
Last EDR Contact: 02/03/2023
Next Scheduled EDR Contact: 04/10/2023
Data Release Frequency: Varies

NAPA COUNTY:

LUST NAPA: Sites With Reported Contamination
A listing of leaking underground storage tank sites located in Napa county.

Date of Government Version: 01/09/2017
Date Data Arrived at EDR: 01/11/2017
Date Made Active in Reports: 03/02/2017
Number of Days to Update: 50

Source: Napa County Department of Environmental Management
Telephone: 707-253-4269
Last EDR Contact: 02/15/2023
Next Scheduled EDR Contact: 06/05/2023
Data Release Frequency: No Update Planned

UST NAPA: Closed and Operating Underground Storage Tank Sites
Underground storage tank sites located in Napa county.

Date of Government Version: 09/05/2019
Date Data Arrived at EDR: 09/09/2019
Date Made Active in Reports: 10/31/2019
Number of Days to Update: 52

Source: Napa County Department of Environmental Management
Telephone: 707-253-4269
Last EDR Contact: 02/15/2023
Next Scheduled EDR Contact: 06/05/2023
Data Release Frequency: No Update Planned

NEVADA COUNTY:

CUPA NEVADA: CUPA Facility List
CUPA facility list.

Date of Government Version: 10/27/2022
Date Data Arrived at EDR: 10/27/2022
Date Made Active in Reports: 01/18/2023
Number of Days to Update: 83

Source: Community Development Agency
Telephone: 530-265-1467
Last EDR Contact: 01/20/2023
Next Scheduled EDR Contact: 05/08/2023
Data Release Frequency: Varies

ORANGE COUNTY:

IND_SITE ORANGE: List of Industrial Site Cleanups
Petroleum and non-petroleum spills.

Date of Government Version: 05/24/2022
Date Data Arrived at EDR: 08/09/2022
Date Made Active in Reports: 10/28/2022
Number of Days to Update: 80

Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 01/31/2023
Next Scheduled EDR Contact: 05/15/2023
Data Release Frequency: Annually

LUST ORANGE: List of Underground Storage Tank Cleanups
Orange County Underground Storage Tank Cleanups (LUST).

Date of Government Version: 04/08/2022
Date Data Arrived at EDR: 05/18/2022
Date Made Active in Reports: 08/03/2022
Number of Days to Update: 77

Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 01/31/2023
Next Scheduled EDR Contact: 05/15/2023
Data Release Frequency: Quarterly

UST ORANGE: List of Underground Storage Tank Facilities
Orange County Underground Storage Tank Facilities (UST).

Date of Government Version: 05/24/2022
Date Data Arrived at EDR: 08/01/2022
Date Made Active in Reports: 10/20/2022
Number of Days to Update: 80

Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 01/31/2023
Next Scheduled EDR Contact: 05/15/2023
Data Release Frequency: Quarterly

PLACER COUNTY:

MS PLACER: Master List of Facilities
List includes aboveground tanks, underground tanks and cleanup sites.

Date of Government Version: 08/26/2022
Date Data Arrived at EDR: 08/29/2022
Date Made Active in Reports: 11/15/2022
Number of Days to Update: 78

Source: Placer County Health and Human Services
Telephone: 530-745-2363
Last EDR Contact: 02/13/2023
Next Scheduled EDR Contact: 06/12/2023
Data Release Frequency: Semi-Annually

PLUMAS COUNTY:

CUPA PLUMAS: CUPA Facility List
Plumas County CUPA Program facilities.

Date of Government Version: 03/31/2019
Date Data Arrived at EDR: 04/23/2019
Date Made Active in Reports: 06/26/2019
Number of Days to Update: 64

Source: Plumas County Environmental Health
Telephone: 530-283-6355
Last EDR Contact: 01/13/2023
Next Scheduled EDR Contact: 05/01/2023
Data Release Frequency: Varies

RIVERSIDE COUNTY:

LUST RIVERSIDE: Listing of Underground Tank Cleanup Sites
Riverside County Underground Storage Tank Cleanup Sites (LUST).

Date of Government Version: 09/22/2022
Date Data Arrived at EDR: 09/26/2022
Date Made Active in Reports: 12/09/2022
Number of Days to Update: 74

Source: Department of Environmental Health
Telephone: 951-358-5055
Last EDR Contact: 03/09/2023
Next Scheduled EDR Contact: 06/26/2023
Data Release Frequency: Quarterly

UST RIVERSIDE: Underground Storage Tank Tank List
Underground storage tank sites located in Riverside county.

Date of Government Version: 09/22/2022
Date Data Arrived at EDR: 09/26/2022
Date Made Active in Reports: 12/09/2022
Number of Days to Update: 74

Source: Department of Environmental Health
Telephone: 951-358-5055
Last EDR Contact: 03/09/2023
Next Scheduled EDR Contact: 06/26/2023
Data Release Frequency: Quarterly

SACRAMENTO COUNTY:

CS SACRAMENTO: Toxic Site Clean-Up List
List of sites where unauthorized releases of potentially hazardous materials have occurred.

Date of Government Version: 06/18/2021
Date Data Arrived at EDR: 09/28/2021
Date Made Active in Reports: 12/14/2021
Number of Days to Update: 77

Source: Sacramento County Environmental Management
Telephone: 916-875-8406
Last EDR Contact: 12/21/2022
Next Scheduled EDR Contact: 04/10/2023
Data Release Frequency: Quarterly

ML SACRAMENTO: Master Hazardous Materials Facility List
Any business that has hazardous materials on site - hazardous material storage sites, underground storage tanks, waste generators.

Date of Government Version: 11/07/2022
Date Data Arrived at EDR: 12/09/2022
Date Made Active in Reports: 03/01/2023
Number of Days to Update: 82

Source: Sacramento County Environmental Management
Telephone: 916-875-8406
Last EDR Contact: 12/09/2022
Next Scheduled EDR Contact: 04/10/2023
Data Release Frequency: Quarterly

SAN BENITO COUNTY:

CUPA SAN BENITO: CUPA Facility List
Cupa facility list

Date of Government Version: 10/27/2022
Date Data Arrived at EDR: 10/28/2022
Date Made Active in Reports: 01/18/2023
Number of Days to Update: 82

Source: San Benito County Environmental Health
Telephone: N/A
Last EDR Contact: 01/27/2023
Next Scheduled EDR Contact: 05/15/2023
Data Release Frequency: Varies

SAN BERNARDINO COUNTY:

PERMITS SAN BERNARDINO: Hazardous Material Permits
This listing includes underground storage tanks, medical waste handlers/generators, hazardous materials handlers, hazardous waste generators, and waste oil generators/handlers.

Date of Government Version: 11/18/2022
Date Data Arrived at EDR: 11/21/2022
Date Made Active in Reports: 02/09/2023
Number of Days to Update: 80

Source: San Bernardino County Fire Department Hazardous Materials Division
Telephone: 909-387-3041
Last EDR Contact: 01/30/2023
Next Scheduled EDR Contact: 05/15/2023
Data Release Frequency: Quarterly

SAN DIEGO COUNTY:

HMMD SAN DIEGO: Hazardous Materials Management Division Database

The database includes: HE58 - This report contains the business name, site address, business phone number, establishment 'H' permit number, type of permit, and the business status. HE17 - In addition to providing the same information provided in the HE58 listing, HE17 provides inspection dates, violations received by the establishment, hazardous waste generated, the quantity, method of storage, treatment/disposal of waste and the hauler, and information on underground storage tanks. Unauthorized Release List - Includes a summary of environmental contamination cases in San Diego County (underground tank cases, non-tank cases, groundwater contamination, and soil contamination are included.)

Date of Government Version: 11/28/2022
Date Data Arrived at EDR: 11/29/2022
Date Made Active in Reports: 02/14/2023
Number of Days to Update: 77

Source: Hazardous Materials Management Division
Telephone: 619-338-2268
Last EDR Contact: 02/28/2023
Next Scheduled EDR Contact: 06/12/2023
Data Release Frequency: Quarterly

LF SAN DIEGO: Solid Waste Facilities

San Diego County Solid Waste Facilities.

Date of Government Version: 10/27/2021
Date Data Arrived at EDR: 03/04/2022
Date Made Active in Reports: 05/31/2022
Number of Days to Update: 88

Source: Department of Health Services
Telephone: 619-338-2209
Last EDR Contact: 01/13/2023
Next Scheduled EDR Contact: 05/01/2023
Data Release Frequency: Varies

SAN DIEGO CO LOP: Local Oversight Program Listing

A listing of all LOP release sites that are or were under the County of San Diego's jurisdiction. Included are closed or transferred cases, open cases, and cases that did not have a case type indicated. The cases without a case type are mostly complaints; however, some of them could be LOP cases.

Date of Government Version: 07/22/2021
Date Data Arrived at EDR: 10/19/2021
Date Made Active in Reports: 01/13/2022
Number of Days to Update: 86

Source: Department of Environmental Health
Telephone: 858-505-6874
Last EDR Contact: 01/13/2023
Next Scheduled EDR Contact: 05/01/2023
Data Release Frequency: Varies

SAN DIEGO CO SAM: Environmental Case Listing

The listing contains all underground tank release cases and projects pertaining to properties contaminated with hazardous substances that are actively under review by the Site Assessment and Mitigation Program.

Date of Government Version: 03/23/2010
Date Data Arrived at EDR: 06/15/2010
Date Made Active in Reports: 07/09/2010
Number of Days to Update: 24

Source: San Diego County Department of Environmental Health
Telephone: 619-338-2371
Last EDR Contact: 02/23/2023
Next Scheduled EDR Contact: 06/12/2023
Data Release Frequency: No Update Planned

SAN FRANCISCO COUNTY:

CUPA SAN FRANCISCO CO: CUPA Facility Listing

Cupa facilities

Date of Government Version: 11/03/2022
Date Data Arrived at EDR: 11/07/2022
Date Made Active in Reports: 01/25/2023
Number of Days to Update: 79

Source: San Francisco County Department of Environmental Health
Telephone: 415-252-3896
Last EDR Contact: 01/27/2023
Next Scheduled EDR Contact: 05/15/2023
Data Release Frequency: Varies

LUST SAN FRANCISCO: Local Oversite Facilities
A listing of leaking underground storage tank sites located in San Francisco county.

Date of Government Version: 09/19/2008
Date Data Arrived at EDR: 09/19/2008
Date Made Active in Reports: 09/29/2008
Number of Days to Update: 10

Source: Department Of Public Health San Francisco County
Telephone: 415-252-3920
Last EDR Contact: 01/27/2023
Next Scheduled EDR Contact: 05/15/2023
Data Release Frequency: No Update Planned

UST SAN FRANCISCO: Underground Storage Tank Information
Underground storage tank sites located in San Francisco county.

Date of Government Version: 11/03/2022
Date Data Arrived at EDR: 11/07/2022
Date Made Active in Reports: 01/24/2023
Number of Days to Update: 78

Source: Department of Public Health
Telephone: 415-252-3920
Last EDR Contact: 01/27/2023
Next Scheduled EDR Contact: 05/15/2023
Data Release Frequency: Quarterly

SAN FRANCISO COUNTY:

SAN FRANCISCO MAHER: Maher Ordinance Property Listing
a listing of properties that fall within a Maher Ordinance, for all of San Francisco

Date of Government Version: 10/11/2022
Date Data Arrived at EDR: 10/14/2022
Date Made Active in Reports: 01/04/2023
Number of Days to Update: 82

Source: San Francisco Planning
Telephone: 628-652-7483
Last EDR Contact: 01/13/2023
Next Scheduled EDR Contact: 05/01/2023
Data Release Frequency: Varies

SAN JOAQUIN COUNTY:

UST SAN JOAQUIN: San Joaquin Co. UST
A listing of underground storage tank locations in San Joaquin county.

Date of Government Version: 06/22/2018
Date Data Arrived at EDR: 06/26/2018
Date Made Active in Reports: 07/11/2018
Number of Days to Update: 15

Source: Environmental Health Department
Telephone: N/A
Last EDR Contact: 03/09/2023
Next Scheduled EDR Contact: 06/26/2023
Data Release Frequency: Semi-Annually

SAN LUIS OBISPO COUNTY:

CUPA SAN LUIS OBISPO: CUPA Facility List
Cupa Facility List.

Date of Government Version: 11/08/2022
Date Data Arrived at EDR: 11/09/2022
Date Made Active in Reports: 02/01/2023
Number of Days to Update: 84

Source: San Luis Obispo County Public Health Department
Telephone: 805-781-5596
Last EDR Contact: 02/09/2023
Next Scheduled EDR Contact: 05/29/2023
Data Release Frequency: Varies

SAN MATEO COUNTY:

BI SAN MATEO: Business Inventory
List includes Hazardous Materials Business Plan, hazardous waste generators, and underground storage tanks.

Date of Government Version: 02/20/2020
Date Data Arrived at EDR: 02/20/2020
Date Made Active in Reports: 04/24/2020
Number of Days to Update: 64

Source: San Mateo County Environmental Health Services Division
Telephone: 650-363-1921
Last EDR Contact: 03/10/2023
Next Scheduled EDR Contact: 06/19/2023
Data Release Frequency: Annually

LUST SAN MATEO: Fuel Leak List
A listing of leaking underground storage tank sites located in San Mateo county.

Date of Government Version: 03/29/2019
Date Data Arrived at EDR: 03/29/2019
Date Made Active in Reports: 05/29/2019
Number of Days to Update: 61

Source: San Mateo County Environmental Health Services Division
Telephone: 650-363-1921
Last EDR Contact: 03/02/2023
Next Scheduled EDR Contact: 06/19/2023
Data Release Frequency: Semi-Annually

SANTA BARBARA COUNTY:

CUPA SANTA BARBARA: CUPA Facility Listing
CUPA Program Listing from the Environmental Health Services division.

Date of Government Version: 09/08/2011
Date Data Arrived at EDR: 09/09/2011
Date Made Active in Reports: 10/07/2011
Number of Days to Update: 28

Source: Santa Barbara County Public Health Department
Telephone: 805-686-8167
Last EDR Contact: 02/09/2023
Next Scheduled EDR Contact: 05/29/2023
Data Release Frequency: No Update Planned

SANTA CLARA COUNTY:

CUPA SANTA CLARA: Cupa Facility List
Cupa facility list

Date of Government Version: 10/28/2022
Date Data Arrived at EDR: 11/01/2022
Date Made Active in Reports: 01/20/2023
Number of Days to Update: 80

Source: Department of Environmental Health
Telephone: 408-918-1973
Last EDR Contact: 02/09/2023
Next Scheduled EDR Contact: 05/29/2023
Data Release Frequency: Varies

HIST LUST SANTA CLARA: HIST LUST - Fuel Leak Site Activity Report
A listing of open and closed leaking underground storage tanks. This listing is no longer updated by the county. Leaking underground storage tanks are now handled by the Department of Environmental Health.

Date of Government Version: 03/29/2005
Date Data Arrived at EDR: 03/30/2005
Date Made Active in Reports: 04/21/2005
Number of Days to Update: 22

Source: Santa Clara Valley Water District
Telephone: 408-265-2600
Last EDR Contact: 03/23/2009
Next Scheduled EDR Contact: 06/22/2009
Data Release Frequency: No Update Planned

LUST SANTA CLARA: LOP Listing
A listing of leaking underground storage tanks located in Santa Clara county.

Date of Government Version: 03/03/2014
Date Data Arrived at EDR: 03/05/2014
Date Made Active in Reports: 03/18/2014
Number of Days to Update: 13

Source: Department of Environmental Health
Telephone: 408-918-3417
Last EDR Contact: 02/15/2023
Next Scheduled EDR Contact: 06/05/2023
Data Release Frequency: No Update Planned

SAN JOSE HAZMAT: Hazardous Material Facilities
Hazardous material facilities, including underground storage tank sites.

Date of Government Version: 11/03/2020
Date Data Arrived at EDR: 11/05/2020
Date Made Active in Reports: 01/26/2021
Number of Days to Update: 82

Source: City of San Jose Fire Department
Telephone: 408-535-7694
Last EDR Contact: 01/27/2023
Next Scheduled EDR Contact: 05/15/2023
Data Release Frequency: Annually

SANTA CRUZ COUNTY:

CUPA SANTA CRUZ: CUPA Facility List
CUPA facility listing.

Date of Government Version: 01/21/2017
Date Data Arrived at EDR: 02/22/2017
Date Made Active in Reports: 05/23/2017
Number of Days to Update: 90

Source: Santa Cruz County Environmental Health
Telephone: 831-464-2761
Last EDR Contact: 02/09/2023
Next Scheduled EDR Contact: 05/29/2023
Data Release Frequency: Varies

SHASTA COUNTY:

CUPA SHASTA: CUPA Facility List
Cupa Facility List.

Date of Government Version: 06/15/2017
Date Data Arrived at EDR: 06/19/2017
Date Made Active in Reports: 08/09/2017
Number of Days to Update: 51

Source: Shasta County Department of Resource Management
Telephone: 530-225-5789
Last EDR Contact: 02/09/2023
Next Scheduled EDR Contact: 05/29/2023
Data Release Frequency: Varies

SOLANO COUNTY:

LUST SOLANO: Leaking Underground Storage Tanks
A listing of leaking underground storage tank sites located in Solano county.

Date of Government Version: 06/04/2019
Date Data Arrived at EDR: 06/06/2019
Date Made Active in Reports: 08/13/2019
Number of Days to Update: 68

Source: Solano County Department of Environmental Management
Telephone: 707-784-6770
Last EDR Contact: 02/23/2023
Next Scheduled EDR Contact: 06/12/2023
Data Release Frequency: Quarterly

UST SOLANO: Underground Storage Tanks
Underground storage tank sites located in Solano county.

Date of Government Version: 09/15/2021
Date Data Arrived at EDR: 09/16/2021
Date Made Active in Reports: 12/09/2021
Number of Days to Update: 84

Source: Solano County Department of Environmental Management
Telephone: 707-784-6770
Last EDR Contact: 02/23/2023
Next Scheduled EDR Contact: 06/12/2023
Data Release Frequency: Quarterly

SONOMA COUNTY:

CUPA SONOMA: Cupa Facility List
Cupa Facility list

Date of Government Version: 07/02/2021
Date Data Arrived at EDR: 07/06/2021
Date Made Active in Reports: 07/14/2021
Number of Days to Update: 8

Source: County of Sonoma Fire & Emergency Services Department
Telephone: 707-565-1174
Last EDR Contact: 12/13/2022
Next Scheduled EDR Contact: 04/03/2023
Data Release Frequency: Varies

LUST SONOMA: Leaking Underground Storage Tank Sites
A listing of leaking underground storage tank sites located in Sonoma county.

Date of Government Version: 06/30/2021
Date Data Arrived at EDR: 06/30/2021
Date Made Active in Reports: 09/24/2021
Number of Days to Update: 86

Source: Department of Health Services
Telephone: 707-565-6565
Last EDR Contact: 12/13/2022
Next Scheduled EDR Contact: 04/03/2023
Data Release Frequency: Quarterly

STANISLAUS COUNTY:

CUPA STANISLAUS: CUPA Facility List
Cupa facility list

Date of Government Version: 02/08/2022
Date Data Arrived at EDR: 02/10/2022
Date Made Active in Reports: 05/04/2022
Number of Days to Update: 83

Source: Stanislaus County Department of Ennvironmental Protection
Telephone: 209-525-6751
Last EDR Contact: 01/09/2023
Next Scheduled EDR Contact: 04/24/2023
Data Release Frequency: Varies

SUTTER COUNTY:

UST SUTTER: Underground Storage Tanks
Underground storage tank sites located in Sutter county.

Date of Government Version: 08/03/2022
Date Data Arrived at EDR: 08/25/2022
Date Made Active in Reports: 11/14/2022
Number of Days to Update: 81

Source: Sutter County Environmental Health Services
Telephone: 530-822-7500
Last EDR Contact: 02/23/2023
Next Scheduled EDR Contact: 06/12/2023
Data Release Frequency: Semi-Annually

TEHAMA COUNTY:

CUPA TEHAMA: CUPA Facility List
Cupa facilities

Date of Government Version: 11/17/2022
Date Data Arrived at EDR: 11/21/2022
Date Made Active in Reports: 02/10/2023
Number of Days to Update: 81

Source: Tehama County Department of Environmental Health
Telephone: 530-527-8020
Last EDR Contact: 01/27/2023
Next Scheduled EDR Contact: 05/15/2023
Data Release Frequency: Varies

TRINITY COUNTY:

CUPA TRINITY: CUPA Facility List
Cupa facility list

Date of Government Version: 10/11/2022
Date Data Arrived at EDR: 10/12/2022
Date Made Active in Reports: 12/29/2022
Number of Days to Update: 78

Source: Department of Toxic Substances Control
Telephone: 760-352-0381
Last EDR Contact: 01/13/2023
Next Scheduled EDR Contact: 05/01/2023
Data Release Frequency: Varies

TULARE COUNTY:

CUPA TULARE: CUPA Facility List
Cupa program facilities

Date of Government Version: 10/07/2022
Date Data Arrived at EDR: 10/07/2022
Date Made Active in Reports: 12/21/2022
Number of Days to Update: 75

Source: Tulare County Environmental Health Services Division
Telephone: 559-624-7400
Last EDR Contact: 01/27/2023
Next Scheduled EDR Contact: 05/15/2023
Data Release Frequency: Varies

TUOLUMNE COUNTY:

CUPA TUOLUMNE: CUPA Facility List
Cupa facility list

Date of Government Version: 04/23/2018
Date Data Arrived at EDR: 04/25/2018
Date Made Active in Reports: 06/25/2018
Number of Days to Update: 61

Source: Divison of Environmental Health
Telephone: 209-533-5633
Last EDR Contact: 01/13/2023
Next Scheduled EDR Contact: 05/01/2023
Data Release Frequency: Varies

VENTURA COUNTY:

BWT VENTURA: Business Plan, Hazardous Waste Producers, and Operating Underground Tanks
The BWT list indicates by site address whether the Environmental Health Division has Business Plan (B), Waste Producer (W), and/or Underground Tank (T) information.

Date of Government Version: 09/26/2022
Date Data Arrived at EDR: 10/19/2022
Date Made Active in Reports: 01/10/2023
Number of Days to Update: 83

Source: Ventura County Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 01/17/2023
Next Scheduled EDR Contact: 05/01/2023
Data Release Frequency: Quarterly

LF VENTURA: Inventory of Illegal Abandoned and Inactive Sites
Ventura County Inventory of Closed, Illegal Abandoned, and Inactive Sites.

Date of Government Version: 12/01/2011
Date Data Arrived at EDR: 12/01/2011
Date Made Active in Reports: 01/19/2012
Number of Days to Update: 49

Source: Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 12/19/2022
Next Scheduled EDR Contact: 04/10/2023
Data Release Frequency: No Update Planned

LUST VENTURA: Listing of Underground Tank Cleanup Sites
Ventura County Underground Storage Tank Cleanup Sites (LUST).

Date of Government Version: 05/29/2008
Date Data Arrived at EDR: 06/24/2008
Date Made Active in Reports: 07/31/2008
Number of Days to Update: 37

Source: Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 02/02/2023
Next Scheduled EDR Contact: 05/22/2023
Data Release Frequency: No Update Planned

MED WASTE VENTURA: Medical Waste Program List
To protect public health and safety and the environment from potential exposure to disease causing agents, the Environmental Health Division Medical Waste Program regulates the generation, handling, storage, treatment and disposal of medical waste throughout the County.

Date of Government Version: 09/26/2022
Date Data Arrived at EDR: 10/20/2022
Date Made Active in Reports: 01/10/2023
Number of Days to Update: 82

Source: Ventura County Resource Management Agency
Telephone: 805-654-2813
Last EDR Contact: 01/17/2023
Next Scheduled EDR Contact: 05/01/2023
Data Release Frequency: Quarterly

UST VENTURA: Underground Tank Closed Sites List
Ventura County Operating Underground Storage Tank Sites (UST)/Underground Tank Closed Sites List.

Date of Government Version: 11/28/2022
Date Data Arrived at EDR: 12/02/2022
Date Made Active in Reports: 02/23/2023
Number of Days to Update: 83

Source: Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 03/07/2023
Next Scheduled EDR Contact: 06/19/2023
Data Release Frequency: Quarterly

YOLO COUNTY:

UST YOLO: Underground Storage Tank Comprehensive Facility Report
Underground storage tank sites located in Yolo county.

Date of Government Version: 09/21/2022
Date Data Arrived at EDR: 09/30/2022
Date Made Active in Reports: 12/14/2022
Number of Days to Update: 75

Source: Yolo County Department of Health
Telephone: 530-666-8646
Last EDR Contact: 12/19/2022
Next Scheduled EDR Contact: 04/10/2023
Data Release Frequency: Annually

YUBA COUNTY:

CUPA YUBA: CUPA Facility List
CUPA facility listing for Yuba County.

Date of Government Version: 10/25/2022
Date Data Arrived at EDR: 10/26/2022
Date Made Active in Reports: 10/31/2022
Number of Days to Update: 5

Source: Yuba County Environmental Health Department
Telephone: 530-749-7523
Last EDR Contact: 01/20/2023
Next Scheduled EDR Contact: 05/08/2023
Data Release Frequency: Varies

OTHER DATABASE(S)

Depending on the geographic area covered by this report, the data provided in these specialty databases may or may not be complete. For example, the existence of wetlands information data in a specific report does not mean that all wetlands in the area covered by the report are included. Moreover, the absence of any reported wetlands information does not necessarily mean that wetlands do not exist in the area covered by the report.

CT MANIFEST: Hazardous Waste Manifest Data
Facility and manifest data. Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a tsd facility.

Date of Government Version: 11/16/2022
Date Data Arrived at EDR: 11/16/2022
Date Made Active in Reports: 02/06/2023
Number of Days to Update: 82

Source: Department of Energy & Environmental Protection
Telephone: 860-424-3375
Last EDR Contact: 02/10/2023
Next Scheduled EDR Contact: 05/22/2023
Data Release Frequency: No Update Planned

NJ MANIFEST: Manifest Information
Hazardous waste manifest information.

Date of Government Version: 12/31/2018
Date Data Arrived at EDR: 04/10/2019
Date Made Active in Reports: 05/16/2019
Number of Days to Update: 36

Source: Department of Environmental Protection
Telephone: N/A
Last EDR Contact: 12/28/2022
Next Scheduled EDR Contact: 04/17/2023
Data Release Frequency: Annually

NY MANIFEST: Facility and Manifest Data
Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a TSD facility.

Date of Government Version: 01/01/2019
Date Data Arrived at EDR: 10/29/2021
Date Made Active in Reports: 01/19/2022
Number of Days to Update: 82

Source: Department of Environmental Conservation
Telephone: 518-402-8651
Last EDR Contact: 01/27/2023
Next Scheduled EDR Contact: 05/08/2023
Data Release Frequency: Quarterly

PA MANIFEST: Manifest Information
Hazardous waste manifest information.

Date of Government Version: 06/30/2018
Date Data Arrived at EDR: 07/19/2019
Date Made Active in Reports: 09/10/2019
Number of Days to Update: 53

Source: Department of Environmental Protection
Telephone: 717-783-8990
Last EDR Contact: 01/06/2023
Next Scheduled EDR Contact: 04/24/2023
Data Release Frequency: Annually

RI MANIFEST: Manifest information
Hazardous waste manifest information

Date of Government Version: 12/31/2020
Date Data Arrived at EDR: 11/30/2021
Date Made Active in Reports: 02/18/2022
Number of Days to Update: 80

Source: Department of Environmental Management
Telephone: 401-222-2797
Last EDR Contact: 02/13/2022
Next Scheduled EDR Contact: 05/29/2023
Data Release Frequency: Annually

WI MANIFEST: Manifest Information
Hazardous waste manifest information.

Date of Government Version: 05/31/2018
Date Data Arrived at EDR: 06/19/2019
Date Made Active in Reports: 09/03/2019
Number of Days to Update: 76

Source: Department of Natural Resources
Telephone: N/A
Last EDR Contact: 03/06/2023
Next Scheduled EDR Contact: 06/19/2023
Data Release Frequency: Annually

Oil/Gas Pipelines
Source: Endeavor Business Media
Petroleum Bundle (Crude Oil, Refined Products, Petrochemicals, Gas Liquids (LPG/NGL), and Specialty Gases (Miscellaneous)) N = Natural Gas Bundle (Natural Gas, Gas Liquids (LPG/NGL), and Specialty Gases (Miscellaneous)). This map includes information copyrighted by Endeavor Business Media. This information is provided on a best effort basis and Endeavor Business Media does not guarantee its accuracy nor warrant its fitness for any particular purpose. Such information has been reprinted with the permission of Endeavor Business Media.

Electric Power Transmission Line Data
Source: Endeavor Business Media
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Sensitive Receptors: There are individuals deemed sensitive receptors due to their fragile immune systems and special sensitivity to environmental discharges. These sensitive receptors typically include the elderly, the sick, and children. While the location of all sensitive receptors cannot be determined, EDR indicates those buildings and facilities - schools, daycares, hospitals, medical centers, and nursing homes - where individuals who are sensitive receptors are likely to be located.

AHA Hospitals:
Source: American Hospital Association, Inc.
Telephone: 312-280-5991
The database includes a listing of hospitals based on the American Hospital Association's annual survey of hospitals.

Medical Centers: Provider of Services Listing
Source: Centers for Medicare & Medicaid Services
Telephone: 410-786-3000
A listing of hospitals with Medicare provider number, produced by Centers of Medicare & Medicaid Services, a federal agency within the U.S. Department of Health and Human Services.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Nursing Homes
Source: National Institutes of Health
Telephone: 301-594-6248
Information on Medicare and Medicaid certified nursing homes in the United States.
Public Schools
Source: National Center for Education Statistics
Telephone: 202-502-7300
The National Center for Education Statistics' primary database on elementary and secondary public education in the United States. It is a comprehensive, annual, national statistical database of all public elementary and secondary schools and school districts, which contains data that are comparable across all states.
Private Schools
Source: National Center for Education Statistics
Telephone: 202-502-7300
The National Center for Education Statistics' primary database on private school locations in the United States.
Daycare Centers: Licensed Facilities
Source: Department of Social Services
Telephone: 916-657-4041

Flood Zone Data: This data was obtained from the Federal Emergency Management Agency (FEMA). It depicts 100-year and 500-year flood zones as defined by FEMA. It includes the National Flood Hazard Layer (NFHL) which incorporates Flood Insurance Rate Map (FIRM) data and Q3 data from FEMA in areas not covered by NFHL.
Source: FEMA
Telephone: 877-336-2627
Date of Government Version: 2003, 2015

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002, 2005, 2010 and 2015 from the U.S. Fish and Wildlife Service.

State Wetlands Data: Wetland Inventory
Source: Department of Fish and Wildlife
Telephone: 916-445-0411

Current USGS 7.5 Minute Topographic Map
Source: U.S. Geological Survey

STREET AND ADDRESS INFORMATION

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GEOCHECK® - PHYSICAL SETTING SOURCE ADDENDUM

TARGET PROPERTY ADDRESS

3666
777 S ALAMEDA STREET
LOS ANGELES, CA 90021

TARGET PROPERTY COORDINATES

Latitude (North):	34.033451 - 34° 2' 0.42"
Longitude (West):	118.239167 - 118° 14' 21.00"
Universal Tranverse Mercator:	Zone 11
UTM X (Meters):	385604.6
UTM Y (Meters):	3766362.8
Elevation:	246 ft. above sea level

USGS TOPOGRAPHIC MAP

Target Property Map:	12021699 LOS ANGELES, CA
Version Date:	2018
Northwest Map:	12021991 HOLLYWOOD, CA
Version Date:	2018

EDR's GeoCheck Physical Setting Source Addendum is provided to assist the environmental professional in forming an opinion about the impact of potential contaminant migration.

Assessment of the impact of contaminant migration generally has two principle investigative components:

1. Groundwater flow direction, and
2. Groundwater flow velocity.

Groundwater flow direction may be impacted by surface topography, hydrology, hydrogeology, characteristics of the soil, and nearby wells. Groundwater flow velocity is generally impacted by the nature of the geologic strata.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW DIRECTION INFORMATION

Groundwater flow direction for a particular site is best determined by a qualified environmental professional using site-specific well data. If such data is not reasonably ascertainable, it may be necessary to rely on other sources of information, such as surface topographic information, hydrologic information, hydrogeologic data collected on nearby properties, and regional groundwater flow information (from deep aquifers).

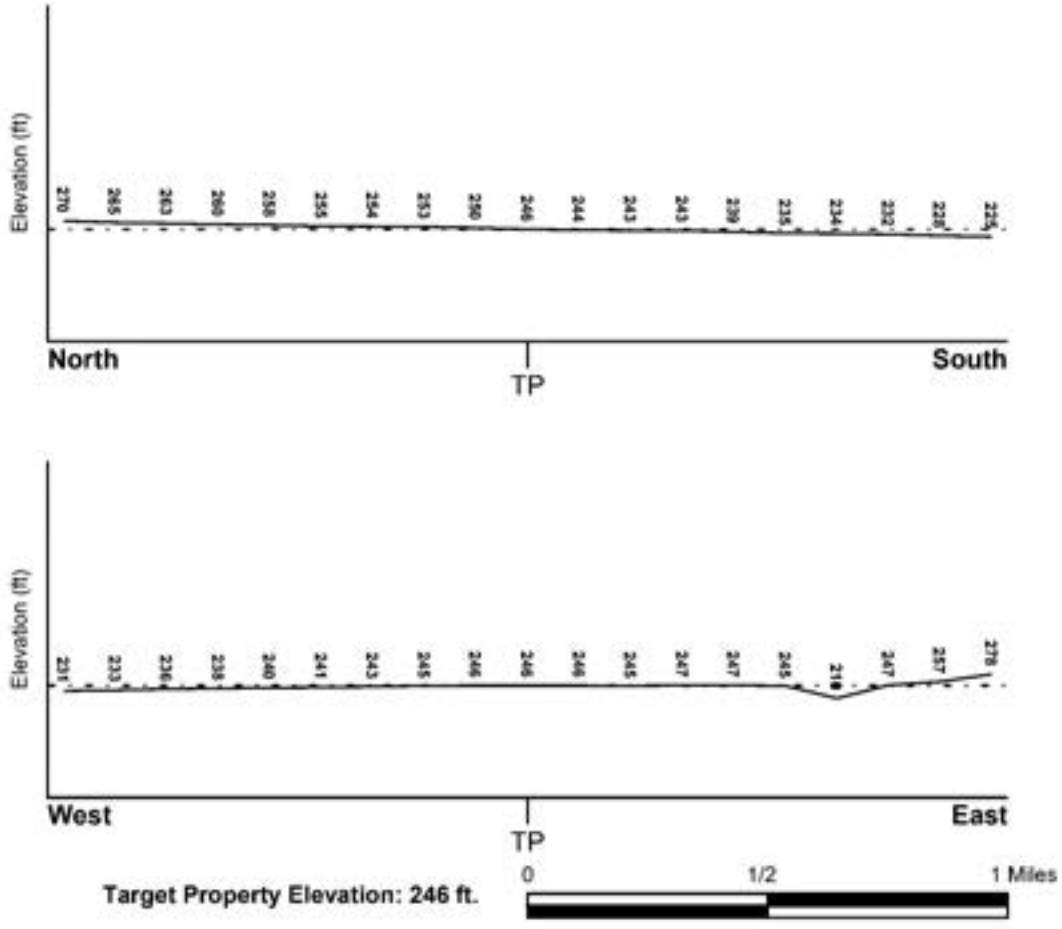
TOPOGRAPHIC INFORMATION

Surface topography may be indicative of the direction of surficial groundwater flow. This information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

TARGET PROPERTY TOPOGRAPHY

General Topographic Gradient: General South

SURROUNDING TOPOGRAPHY: ELEVATION PROFILES



Source: Topography has been determined from the USGS 7.5' Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

HYDROLOGIC INFORMATION

Surface water can act as a hydrologic barrier to groundwater flow. Such hydrologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Refer to the Physical Setting Source Map following this summary for hydrologic information (major waterways and bodies of water).

FEMA FLOOD ZONE

Flood Plain Panel at Target Property	FEMA Source Type
06037C1636F	FEMA FIRM Flood data

Additional Panels in search area:	FEMA Source Type
06037C1620F	FEMA FIRM Flood data
06037C1638F	FEMA FIRM Flood data

NATIONAL WETLAND INVENTORY

NWI Quad at Target Property	NWI Electronic Data Coverage
LOS ANGELES	YES - refer to the Overview Map and Detail Map

HYDROGEOLOGIC INFORMATION

Hydrogeologic information obtained by installation of wells on a specific site can often be an indicator of groundwater flow direction in the immediate area. Such hydrogeologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Site-Specific Hydrogeological Data*:

Search Radius:	1.25 miles
Location Relative to TP:	1/2 - 1 Mile WSW
Site Name:	SUNGRO CHEMICALS
Site EPA ID Number:	CAD009689696
Surficial Aquifer Flow Dir.:	Southeast
Inferred Depth to Water:	approximately 221 feet.
Hydraulic Connection:	A clay layer exists between the ground surface and the water table in the site vicinity.
Sole Source Aquifer:	No information about a sole source aquifer is available
Data Quality:	Information is inferred in the CERCLIS investigation report(s)

AQUIFLOW®

Search Radius: 1.000 Mile.

EDR has developed the AQUIFLOW Information System to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted by environmental professionals to regulatory authorities at select sites and has extracted the date of the report, groundwater flow direction as determined hydrogeologically, and the depth to water table.

MAP ID	LOCATION FROM TP	GENERAL DIRECTION GROUNDWATER FLOW

* ©1996 Site-specific hydrogeological data gathered by CERCLIS Alerts, Inc., Bainbridge Island, WA. All rights reserved. All of the information and opinions presented are those of the cited EPA report(s), which were completed under a Comprehensive Environmental Response Compensation and Liability Information System (CERCLIS) investigation.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

MAP ID	LOCATION FROM TP	GENERAL DIRECTION GROUNDWATER FLOW
C13	1/2 - 1 Mile SW	Not Reported
C14	1/2 - 1 Mile SW	Not Reported
15	1/2 - 1 Mile SE	Not Reported
1G	1/2 - 1 Mile SW	Not Reported
2G	1/2 - 1 Mile SW	Not Reported
3G	1/2 - 1 Mile SE	Not Reported

For additional site information, refer to Physical Setting Source Map Findings.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW VELOCITY INFORMATION

Groundwater flow velocity information for a particular site is best determined by a qualified environmental professional using site specific geologic and soil strata data. If such data are not reasonably ascertainable, it may be necessary to rely on other sources of information, including geologic age identification, rock stratigraphic unit and soil characteristics data collected on nearby properties and regional soil information. In general, contaminant plumes move more quickly through sandy-gravelly types of soils than silty-clayey types of soils.

GEOLOGIC INFORMATION IN GENERAL AREA OF TARGET PROPERTY

Geologic information can be used by the environmental professional in forming an opinion about the relative speed at which contaminant migration may be occurring.

ROCK STRATIGRAPHIC UNIT

Era:	Cenozoic
System:	Quaternary
Series:	Quaternary
Code:	Q *(decoded above as Era, System & Series)*

GEOLOGIC AGE IDENTIFICATION

Category: Stratifed Sequence

Geologic Age and Rock Stratigraphic Unit Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - a digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

DOMINANT SOIL COMPOSITION IN GENERAL AREA OF TARGET PROPERTY

The U.S. Department of Agriculture's (USDA) Soil Conservation Service (SCS) leads the National Cooperative Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps. The following information is based on Soil Conservation Service STATSGO data.

Soil Component Name:	URBAN LAND
Soil Surface Texture:	variable
Hydrologic Group:	Not reported
Soil Drainage Class:	Not reported

Hydric Status: Soil does not meet the requirements for a hydric soil.

Corrosion Potential - Uncoated Steel:	Not Reported
Depth to Bedrock Min:	> 10 inches
Depth to Bedrock Max:	> 10 inches

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
	Boundary			Classification			
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil	Permeability Rate (in/hr)	Soil Reaction (pH)
1	0 inches	6 inches	variable	Not reported	Not reported	Max: 0.00 Min: 0.00	Max: 0.00 Min: 0.00

OTHER SOIL TYPES IN AREA

Based on Soil Conservation Service STATSGO data, the following additional subordinant soil types may appear within the general area of target property.

Soil Surface Textures:
loam
clay
silt loam
loamy sand
sandy loam
fine sand
clay loam
gravelly - sandy loam
coarse sand
gravelly - sand
sand

Surficial Soil Types:
loam
clay
silt loam
loamy sand
sandy loam
fine sand
clay loam
gravelly - sandy loam
coarse sand
gravelly - sand
sand

Shallow Soil Types:
fine sandy loam
gravelly - loam
sand
silty clay

Deeper Soil Types:
stratified
clay loam
silty clay loam
gravelly - sandy loam
coarse sand
sand
weathered bedrock
very fine sandy loam

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

LOCAL / REGIONAL WATER AGENCY RECORDS

EDR Local/Regional Water Agency records provide water well information to assist the environmental professional in assessing sources that may impact ground water flow direction, and in forming an opinion about the impact of contaminant migration on nearby drinking water wells.

WELL SEARCH DISTANCE INFORMATION

DATABASE	SEARCH DISTANCE (miles)
Federal USGS	1.000
Federal FRDS PWS	Nearest PWS within 1 mile
State Database	1.000

FEDERAL USGS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
No Wells Found		

FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
No PWS System Found		

Note: PWS System location is not always the same as well location.

STATE DATABASE WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
A1	CAEDF0000073053	1/4 - 1/2 Mile ENE
A2	CAEDF0000034031	1/4 - 1/2 Mile ENE
A3	CAEDF0000094028	1/4 - 1/2 Mile ENE
A4	CAEDF0000136889	1/4 - 1/2 Mile ENE
A5	CAEDF0000124045	1/4 - 1/2 Mile ENE
A6	CAEDF0000076061	1/4 - 1/2 Mile ENE
A7	CAEDF0000016212	1/4 - 1/2 Mile ENE
A8	CAEDF0000093574	1/4 - 1/2 Mile ENE
A9	CAEDF0000107559	1/4 - 1/2 Mile ENE
B10	CAEDF0000042922	1/4 - 1/2 Mile NNE
B11	CAEDF0000127845	1/4 - 1/2 Mile NNE
B12	CAEDF0000073674	1/2 - 1 Mile NNE
D16	CAEDF0000093143	1/2 - 1 Mile NW
D17	CAEDF0000015824	1/2 - 1 Mile NW
D18	CAEDF0000049592	1/2 - 1 Mile NW

OTHER STATE DATABASE INFORMATION

STATE OIL/GAS WELL INFORMATION

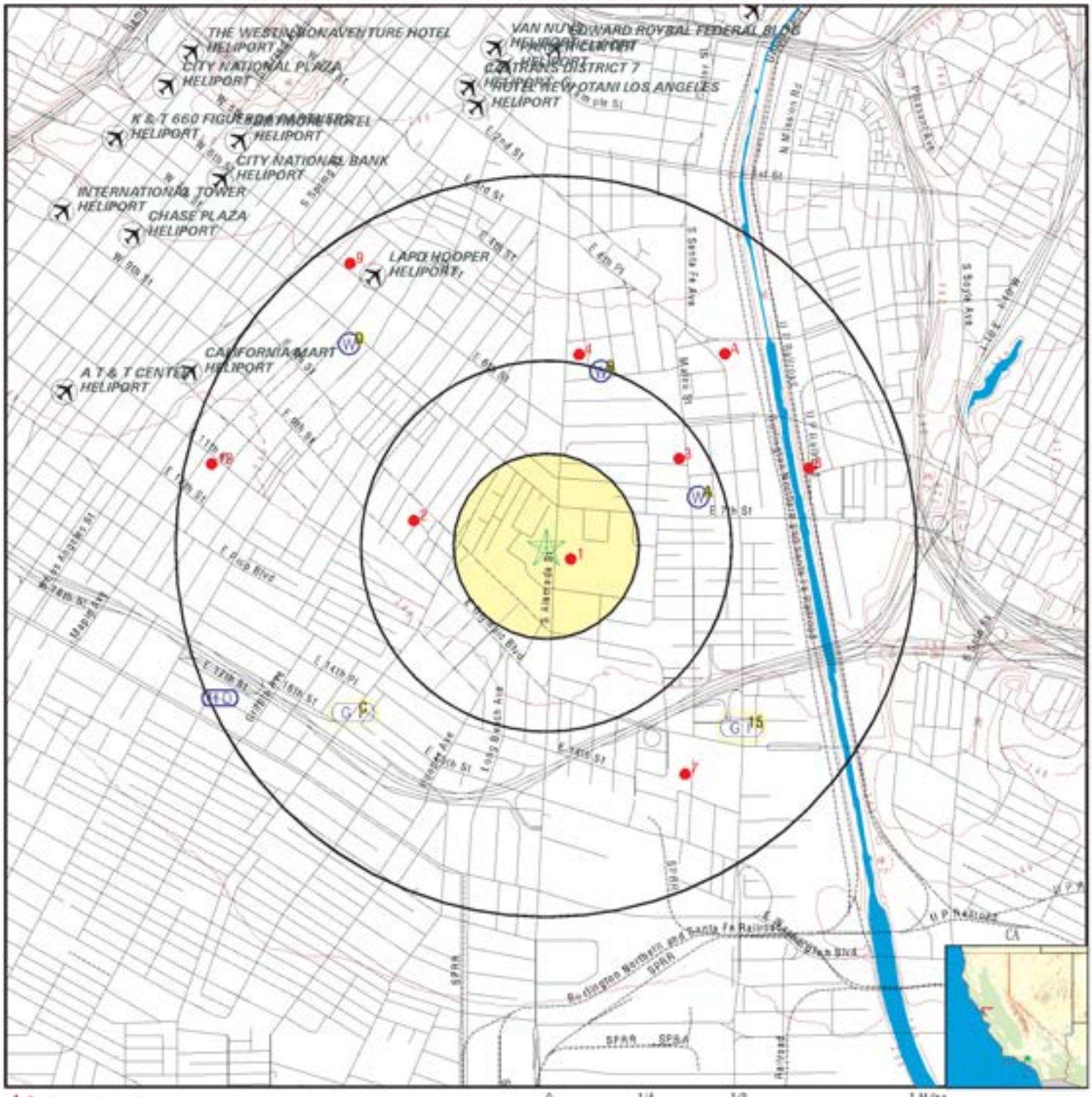
MAP ID	WELL ID	LOCATION FROM TP
1	CAOG15000008254	0 - 1/8 Mile ESE

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

STATE OIL/GAS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
2	CAOG15000005796	1/4 - 1/2 Mile West
3	CAOG15000003208	1/4 - 1/2 Mile ENE
4	CAOG15000230466	1/2 - 1 Mile North
A5	CAOG15000230467	1/2 - 1 Mile NE
A6	CAOG15000230469	1/2 - 1 Mile NE
7	CAOG15000013249	1/2 - 1 Mile SSE
8	CAOG15000009472	1/2 - 1 Mile ENE
9	CAOG15000008263	1/2 - 1 Mile NW
10	CAOG15000011674	1/2 - 1 Mile WNW

PHYSICAL SETTING SOURCE MAP - 7277931.2s



- County Boundary
- Major Roads
- Contour Lines
- Earthquake Fault Lines
- Airports
- Earthquake epicenter, Richter 5 or greater
- Water Wells
- Public Water Supply Wells
- Cluster of Multiple Icons
- Groundwater Flow Direction
- Indeterminate Groundwater Flow at Location
- Groundwater Flow Varies at Location
- Closest Hydrogeological Data
- Oil, gas or related wells

SITE NAME:	3666	CLIENT:	California Environmental
ADDRESS:	777 S Alameda Street Los Angeles CA 90021	CONTACT:	Ryan Bzoskie
LAT/LONG:	34.033451 / 118.239167	INQUIRY #:	7277931.2s
		DATE:	March 14, 2023 11:06 am

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GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

	Database	EDR ID Number
A1 **ENE** **1/4 - 1/2 Mile** **Higher**	**CA WELLS**	**CAEDF0000073053**

Well ID:	T0603705090-MW2	Well Type:	MONITORING
Source:	EDF	Other Name:	MW2
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0603705090&assigned_name=MW2&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0603705090&assigned_name=MW2		

A2 **ENE** **1/4 - 1/2 Mile** **Higher**	**CA WELLS**	**CAEDF0000034031**

Well ID:	T0603705090-DP1	Well Type:	MONITORING
Source:	EDF	Other Name:	DP1
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0603705090&assigned_name=DP1&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0603705090&assigned_name=DP1		

A3 **ENE** **1/4 - 1/2 Mile** **Higher**	**CA WELLS**	**CAEDF0000094028**

Well ID:	T0603705090-MW3	Well Type:	MONITORING
Source:	EDF	Other Name:	MW3
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0603705090&assigned_name=MW3&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0603705090&assigned_name=MW3		

A4 **ENE** **1/4 - 1/2 Mile** **Higher**	**CA WELLS**	**CAEDF0000136889**

Well ID:	T0603705090-MW1	Well Type:	MONITORING
Source:	EDF	Other Name:	MW1
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0603705090&assigned_name=MW1&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0603705090&assigned_name=MW1		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

A5
ENE
1/4 - 1/2 Mile
Higher | **CA WELLS** | **CAEDF0000124045**

Well ID:	T0603705090-MW4	Well Type:	MONITORING
Source:	EDF	Other Name:	MW4
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0603705090&assigned_name=MW4&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0603705090&assigned_name=MW4		

A6
ENE
1/4 - 1/2 Mile
Higher | **CA WELLS** | **CAEDF0000076061**

Well ID:	T0603705090-MW6	Well Type:	MONITORING
Source:	EDF	Other Name:	MW6
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0603705090&assigned_name=MW6&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0603705090&assigned_name=MW6		

A7
ENE
1/4 - 1/2 Mile
Higher | **CA WELLS** | **CAEDF0000016212**

Well ID:	T0603705090-MW5	Well Type:	MONITORING
Source:	EDF	Other Name:	MW5
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0603705090&assigned_name=MW5&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0603705090&assigned_name=MW5		

A8
ENE
1/4 - 1/2 Mile
Higher | **CA WELLS** | **CAEDF0000093574**

Well ID:	T0603705090-MW7	Well Type:	MONITORING
Source:	EDF	Other Name:	MW7
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0603705090&assigned_name=MW7&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0603705090&assigned_name=MW7		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

A9
ENE
1/4 - 1/2 Mile
Higher | **CA WELLS** | **CAEDF0000107559**

Well ID:	T0603705090-MW8	Well Type:	MONITORING
Source:	EDF	Other Name:	MW8
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0603705090&assigned_name=MW8&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0603705090&assigned_name=MW8		

B10
NNE
1/4 - 1/2 Mile
Higher | **CA WELLS** | **CAEDF0000042922**

Well ID:	T0603792226-MW3	Well Type:	MONITORING
Source:	EDF	Other Name:	MW3
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0603792226&assigned_name=MW3&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0603792226&assigned_name=MW3		

B11
NNE
1/4 - 1/2 Mile
Higher | **CA WELLS** | **CAEDF0000127845**

Well ID:	T0603792226-MW2	Well Type:	MONITORING
Source:	EDF	Other Name:	MW2
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0603792226&assigned_name=MW2&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0603792226&assigned_name=MW2		

B12
NNE
1/2 - 1 Mile
Higher | **CA WELLS** | **CAEDF0000073674**

Well ID:	T0603792226-MW1	Well Type:	MONITORING
Source:	EDF	Other Name:	MW1
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0603792226&assigned_name=MW1&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0603792226&assigned_name=MW1		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID Direction Distance Elevation			Database	EDR ID Number
C13 **SW** **1/2 - 1 Mile** **Lower**	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	900570061 Not Reported 8.37 12 Not Reported 08/07/1996	**AQUIFLOW**	**55210**
C14 **SW** **1/2 - 1 Mile** **Lower**	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	900570061 Not Reported 8.37 12 Not Reported 08/07/1996	**AQUIFLOW**	**55184**
15 **SE** **1/2 - 1 Mile** **Lower**	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	900570061 Not Reported 8.37 12 Not Reported 08/07/1996	**AQUIFLOW**	**55190**

D16
NW
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000093143**

Well ID:	T0603784153-MW-1-W	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-1-W
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0603784153&assigned_name=MW-1-W&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0603784153&assigned_name=MW-1-W		

D17
NW
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000015824**

Well ID:	T0603784153-MW-2-W	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-2-W
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0603784153&assigned_name=MW-2-W&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0603784153&assigned_name=MW-2-W		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID Direction Distance Elevation			Database	EDR ID Number
D18 **NW** **1/2 - 1 Mile** **Higher**			**CA WELLS**	**CAEDF0000049592**
Well ID:	T0603784153-MW-3-W	Well Type:	MONITORING	
Source:	EDF	Other Name:	MW-3-W	
GAMA PFAS Testing:	Not Reported			
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0603784153&assigned_name=MW-3-W&store_num=			
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0603784153&assigned_name=MW-3-W			
1G **SW** **1/2 - 1 Mile** **Lower**	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	900570061 Not Reported 8.37 12 Not Reported 08/07/1996	**AQUIFLOW**	**55210**
2G **SW** **1/2 - 1 Mile** **Lower**	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	900570061 Not Reported 8.37 12 Not Reported 08/07/1996	**AQUIFLOW**	**55184**
3G **SE** **1/2 - 1 Mile** **Lower**	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	900570061 Not Reported 8.37 12 Not Reported 08/07/1996	**AQUIFLOW**	**55190**

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database | EDR ID Number

1
ESE
0 - 1/8 Mile

OIL_GAS **CAOG15000008254**

API #:	0403705996	Well #:	1
Well Status:	Plugged	Well Type:	Dry Hole
Well Design:	Southern Pacific 57 1	Lease Name:	Southern Pacific 57
Operator ID:	C5640	Field Name:	Any Field
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

2
West
1/4 - 1/2 Mile

OIL_GAS **CAOG15000005796**

API #:	0403706324	Well #:	1
Well Status:	Plugged	Well Type:	Core Hole
Well Design:	Kohler Corehole 1	Lease Name:	Kohler Corehole
Operator ID:	C5640	Field Name:	Any Field
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

3
ENE
1/4 - 1/2 Mile

OIL_GAS **CAOG15000003208**

API #:	0403720600	Well #:	1
Well Status:	Plugged	Well Type:	Dry Hole
Well Design:	Signal-Standard-Exley 1	Lease Name:	Signal-Standard-Exley
Operator ID:	P3100	Field Name:	Any Field
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	Y	Spud Date:	Not Reported

4
North
1/2 - 1 Mile

OIL_GAS **CAOG15000230466**

API #:	0403705161	Well #:	1
Well Status:	Plugged	Well Type:	Oil & Gas
Well Design:	L.A. River Fee 1	Lease Name:	L.A. River Fee
Operator ID:	A4525	Field Name:	Union Station (ABD)
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	Y	Spud Date:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database | EDR ID Number

A5
NE
1/2 - 1 Mile

OIL_GAS **CAOG15000230467**

API #:	0403720432	Well #:	1
Well Status:	Plugged	Well Type:	Oil & Gas
Well Design:	SFRR Unit 1	Lease Name:	SFRR Unit
Operator ID:	C4660	Field Name:	Union Station (ABD)
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	GPS	Confidential Well:	N
Directionally Drilled:	Y	Spud Date:	Not Reported

A6
NE
1/2 - 1 Mile

OIL_GAS **CAOG15000230469**

API #:	0403720645	Well #:	2
Well Status:	Plugged	Well Type:	Oil & Gas
Well Design:	SFRR Unit 2	Lease Name:	SFRR Unit
Operator ID:	C4660	Field Name:	Union Station (ABD)
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	GPS	Confidential Well:	N
Directionally Drilled:	Y	Spud Date:	Not Reported

7
SSE
1/2 - 1 Mile

OIL_GAS **CAOG15000013249**

API #:	0403725218	Well #:	4
Well Status:	Plugged	Well Type:	Dry Hole
Well Design:	Unknown 4	Lease Name:	Unknown
Operator ID:	02315	Field Name:	Any Field
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

8
ENE
1/2 - 1 Mile

OIL_GAS **CAOG15000009472**

API #:	0403705160	Well #:	1-1
Well Status:	Plugged	Well Type:	Dry Hole
Well Design:	L.A. River Community 1-1	Lease Name:	L.A. River Community
Operator ID:	A4525	Field Name:	Any Field
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

9
NW
1/2 - 1 Mile

OIL_GAS **CAOG15000008263**

API #:	0403720494	Well #:	1
Well Status:	Plugged	Well Type:	Core Hole
Well Design:	Greyhound Corehole 1	Lease Name:	Greyhound Corehole
Operator ID:	C5640	Field Name:	Any Field
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

10
WNW
1/2 - 1 Mile

OIL_GAS **CAOG15000011674**

API #:	0403705691	Well #:	2
Well Status:	Plugged	Well Type:	Core Hole
Well Design:	Wall Corehole 2	Lease Name:	Wall Corehole
Operator ID:	C5640	Field Name:	Any Field
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	Y	Spud Date:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS
RADON

AREA RADON INFORMATION

State Database: CA Radon

Radon Test Results

Zipcode	Num Tests	> 4 pCi/L
90021	2	0

Federal EPA Radon Zone for LOS ANGELES County: 2

Note: Zone 1 indoor average level > 4 pCi/L.
: Zone 2 indoor average level >= 2 pCi/L and <= 4 pCi/L.
: Zone 3 indoor average level < 2 pCi/L.

Federal Area Radon Information for LOS ANGELES COUNTY, CA

Number of sites tested: 63

Area	Average Activity	% <4 pCi/L	% 4-20 pCi/L	% >20 pCi/L
Living Area - 1st Floor	0.711 pCi/L	98%	2%	0%
Living Area - 2nd Floor	Not Reported	Not Reported	Not Reported	Not Reported
Basement	0.933 pCi/L	100%	0%	0%

PHYSICAL SETTING SOURCE RECORDS SEARCHED

TOPOGRAPHIC INFORMATION

USGS 7.5' Digital Elevation Model (DEM)
Source: United States Geologic Survey
EDR acquired the USGS 7.5' Digital Elevation Model in 2002 and updated it in 2006. The 7.5 minute DEM corresponds to the USGS 1:24,000- and 1:25,000-scale topographic quadrangle maps. The DEM provides elevation data with consistent elevation units and projection.

Current USGS 7.5 Minute Topographic Map
Source: U.S. Geological Survey

HYDROLOGIC INFORMATION

Flood Zone Data: This data was obtained from the Federal Emergency Management Agency (FEMA). It depicts 100-year and 500-year flood zones as defined by FEMA. It includes the National Flood Hazard Layer (NFHL) which incorporates Flood Insurance Rate Map (FIRM) data and Q3 data from FEMA in areas not covered by NFHL.
Source: FEMA
Telephone: 877-336-2627
Date of Government Version: 2003, 2015

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002, 2005, 2010 and 2015 from the U.S. Fish and Wildlife Service.

State Wetlands Data: Wetland Inventory
Source: Department of Fish and Wildlife
Telephone: 916-445-0411

HYDROGEOLOGIC INFORMATION

AQUIFLOW^{R} Information System
Source: EDR proprietary database of groundwater flow information
EDR has developed the AQUIFLOW Information System (AIS) to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted to regulatory authorities at select sites and has extracted the date of the report, hydrogeologically determined groundwater flow direction and depth to water table information.

GEOLOGIC INFORMATION

Geologic Age and Rock Stratigraphic Unit
Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - A digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

STATSGO: State Soil Geographic Database
Source: Department of Agriculture, Natural Resources Conservation Service (NRCS)
The U.S. Department of Agriculture's (USDA) Natural Resources Conservation Service (NRCS) leads the national Conservation Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps.

SSURGO: Soil Survey Geographic Database
Source: Department of Agriculture, Natural Resources Conservation Service (NRCS)
Telephone: 800-672-5559
SSURGO is the most detailed level of mapping done by the Natural Resources Conservation Service, mapping scales generally range from 1:12,000 to 1:63,360. Field mapping methods using national standards are used to construct the soil maps in the Soil Survey Geographic (SSURGO) database. SSURGO digitizing duplicates the original soil survey maps. This level of mapping is designed for use by landowners, townships and county natural resource planning and management.

PHYSICAL SETTING SOURCE RECORDS SEARCHED

LOCAL / REGIONAL WATER AGENCY RECORDS

FEDERAL WATER WELLS

PWS: Public Water Systems
Source: EPA/Office of Drinking Water
Telephone: 202-564-3750
Public Water System data from the Federal Reporting Data System. A PWS is any water system which provides water to at least 25 people for at least 60 days annually. PWSs provide water from wells, rivers and other sources.

PWS ENF: Public Water Systems Violation and Enforcement Data
Source: EPA/Office of Drinking Water
Telephone: 202-564-3750
Violation and Enforcement data for Public Water Systems from the Safe Drinking Water Information System (SDWIS) after August 1995. Prior to August 1995, the data came from the Federal Reporting Data System (FRDS).

USGS Water Wells: USGS National Water Inventory System (NWIS)
This database contains descriptive information on sites where the USGS collects or has collected data on surface water and/or groundwater. The groundwater data includes information on wells, springs, and other sources of groundwater.

OTHER STATE DATABASE INFORMATION

Groundwater Ambient Monitoring & Assessment Program
State Water Resources Control Board
Telephone: 916-341-5577
The GAMA Program is Californias comprehensive groundwater quality monitoring program. GAMA collects data by testing the untreated, raw water in different types of wells for naturally-occurring and man-made chemicals. The GAMA data includes Domestic, Monitoring and Municipal well types from the following sources, Department of Water Resources, Department of Heath Services, EDF, Agricultural Lands, Lawrence Livermore National Laboratory, Department of Pesticide Regulation, United States Geological Survey, Groundwater Ambient Monitoring and Assessment Program and Local Groundwater Projects.

Water Well Database
Source: Department of Water Resources
Telephone: 916-651-9648

California Drinking Water Quality Database
Source: Department of Public Health
Telephone: 916-324-2319
The database includes all drinking water compliance and special studies monitoring for the state of California since 1984. It consists of over 3,200,000 individual analyses along with well and water system information.

California Oil and Gas Well Locations
Source: Dept of Conservation, Geologic Energy Management Division
Telephone: 916-323-1779
Oil and Gas well locations in the state.

California Earthquake Fault Lines
Source: California Division of Mines and Geology
The fault lines displayed on EDR's Topographic map are digitized quaternary fault lines prepared in 1975 by the United State Geological Survey. Additional information (also from 1975) regarding activity at specific fault lines comes from California's Preliminary Fault Activity Map prepared by the California Division of Mines and Geology.

RADON

State Database: CA Radon
Source: Department of Public Health
Telephone: 916-210-8558
Radon Database for California

PHYSICAL SETTING SOURCE RECORDS SEARCHED

Area Radon Information
Source: USGS
Telephone: 703-356-4020
The National Radon Database has been developed by the U.S. Environmental Protection Agency (USEPA) and is a compilation of the EPA/State Residential Radon Survey and the National Residential Radon Survey. The study covers the years 1986 - 1992. Where necessary data has been supplemented by information collected at private sources such as universities and research institutions.

EPA Radon Zones
Source: EPA
Telephone: 703-356-4020
Sections 307 & 309 of IRAA directed EPA to list and identify areas of U.S. with the potential for elevated indoor radon levels.

OTHER

Airport Landing Facilities: Private and public use landing facilities
Source: Federal Aviation Administration, 800-457-6656

Epicenters: World earthquake epicenters, Richter 5 or greater
Source: Department of Commerce, National Oceanic and Atmospheric Administration

California Earthquake Fault Lines: The fault lines displayed on EDR's Topographic map are digitized quaternary fault lines, prepared in 1975 by the United State Geological Survey. Additional information (also from 1975) regarding activity at specific fault lines comes from California's Preliminary Fault Activity Map prepared by the California Division of Mines and Geology.

STREET AND ADDRESS INFORMATION

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APPENDIX IV

Previous Environmental Reports

HMC
HAZARD MANAGEMENT CONSULTING

February 14, 2013

Mr. Trevor Sterry
Alameda Produce Market LLC
c/o EVOQ Properties, Inc.
626 Wilshire Blvd, Suite 850
Los Angeles, California 90017

Subject: Results of Soil and Soil Gas Sampling
777 South Alameda Street
Los Angeles, California

Dear Mr. Sterry:

This report presents the results of the soil and soil gas sampling performed at the property located at 777 South Alameda Street in the city of Los Angeles, California (Site; Figure 1). AEI Consultants, Inc. (AEI) completed a Phase I Environmental Site Assessment (ESA) for the Site in 2004 (referred to herein as the "2004 Phase I ESA"). Based on the results of the 2004 Phase I ESA, AEI listed a number of Recognized Environmental Concerns (RECs) associated with the property. Hazard Management Consulting, Inc. (HMC) subsequently reviewed the report and evaluated the data. As noted herein, AEI based some of their conclusions and recommendations on assumptions, speculations, or misinformation. Following our review, HMC compiled a list of environmental concerns (i.e. RECs as defined by the American Society for Testing and Materials [ASTM] and All Appropriate Inquires [AAI] Standards) or areas of environmental interest. All of these areas were further investigated as part of the soil and soil gas sampling described below.

The property has been used for commercial purposes for over 100 years. In the 1800s, the Site was used for residential purposes; in the early-1900s, the Site was redeveloped by the Pacific Electric Railroad Company as a railcar maintenance yard; and in 1917, the property was redeveloped with the existing buildings as the Los Angeles Terminal. The Los Angeles Terminal

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www.hmcinc.biz info@hmcinc.biz

buildings were originally constructed for produce storage, warehouse, distribution, and office space and are currently being occupied by American Apparel for clothing sewing and office purposes. It is our understanding that the client currently owns the Site and will be pledging the property as collateral. According to AEI, groundwater has been reported in the Site vicinity at depths of approximately 21 feet below ground surface (bgs).

BACKGROUND

In general, the Site has had three main land uses, (1) residential and vacant land (1800s), (2) a railcar maintenance yard (occupied by the Pacific Electric Railcar Company from the 1900s to 1916), and (3) warehouse, distribution, and offices (referred to as the Los Angeles Terminal from 1917 to the present). Due to the location of the Site to the Downtown Los Angeles area, many historical sources of data were available during completion of AEI's Phase I ESA including historical Sanborn Fire Insurance Maps (Sanborn Maps), historical aerial photographs, agency files, city directories, and regulatory databases.

Based on the 2004 Phase I ESA, AEI presented a number of RECs which, in AEI's opinion, needed further investigation. As noted below, some of these concerns were based on assumptions, not on facts or data collected. The following presents the areas of concern outlined by AEI and HMC's evaluation of the data presented in the report. Following our review, environmental issues were compiled by HMC into a list of Environmental Concerns (i.e. RECs) or Environmental Interests. The following presents a brief discussion of the historical land use, environmental issues presented in the 2004 Phase I ESA, and our evaluation of the data collected.

- **Residential Land Use** – AEI did not have environmental concerns or recommendation for further investigations. HMC concurs.

- **Pacific Electric Railroad Company** – The Pacific Electric Railroad Company operated an electric railcar maintenance yard. AEI concluded that a number of operations conducted by the Pacific Electric Railroad Company would be considered REC's. Most of these areas of concern obtained from a scaled Sanborn Map which labeled areas of former activities. As noted on Figure 2, HMC superimposed these historical features onto an existing Site plan to obtain

the location of these historical features with respect to current buildings. The following presents AEI's concerns and HMC's evaluation of these RECs.

- Former Machine Shop – Machine shops are typically used to machine metal parts. According to AEI, the operations may have used many different chemicals such as petroleum hydrocarbons (lubricating oils) and solvents. Machine shop activities also produce metal wastes. HMC concurs with AEI that the Former Machine Shop is a possible environmental concern and additional investigations are warranted.

- Former Paint Shop and Former Paint Mixing Area – This area appears to have been used to store and mix paints, as well as to paint railcars. These activities would include the use of paints (petroleum based) and solvents. HMC concurs with AEI that this area would be considered an environmental concern and further investigations are warranted.

- Former Oil House – According to AEI, this area was used to "store oil, fuel and solvents in several above and/or below ground storage tanks." HMC reviewed historical Sanborn Maps and does not concur with AEI that underground storage tanks (USTs) were used within the Former Oil House. Sanborn Maps typically indicate the presence of USTs with the designation "Gas & Oil;" which was not shown on the Sanborn Map. Additionally, it is highly unlikely that solvents were stored in an "Oil House." Oil in the Oil House was most likely stored in above ground storage tanks (ASTs) or 55-gallon drums, due to the existence of a "iron rack" noted immediately southeast of the Oil House. HMC concurs with AEI that this area would be considered an environmental concern, however the types of materials stored were likely petroleum based fuel oils (not solvents) and the type of storage was likely above ground (i.e. ASTs and/or drums), not belowground (i.e. USTs).

- Former Woodworking, Carpenter, and Planing Mill - According to AEI, "lacquers, solvents, and paints may have been used in this area." HMC does not concur with this assumption. It is our opinion that this building was likely used for woodworking purposes and that painting or varnishing was completed in the Former Paint Shop and Former Paint Mixing Area. Therefore, HMC does not concur with AEI that further investigations are warranted in this area. However, as discussed herein and for precautionary measures, HMC completed a subsurface investigation in the area of this former feature as part of our overall Site screening.

- Former Repair Shop – The Former Repair Shop was possibly used to repair railcars. According to AEI, chemicals used included "oils, solvents, fuels and other vehicle fluids." Although there was no indication that these chemicals were used in this area, HMC concurs with AEI that the Former Repair Shop would be considered an environmental concern and further investigations are warranted.

- Former Electrical Construction Department – AEI assumed that these small buildings which encroach partially onto the Site were used to store and manufacture electrical equipment. AEI indicated that manufacturing electrical equipment typically used chemicals such as oils, PCBs, solvents and may have produced heavy metal wastes. Based on our review of AEI's report, there is no evidence that these buildings were used for anything other than office, storage, and a small "shop," as labeled on the Sanborn Maps. Therefore, HMC does not concur with AEI's conclusions and recommendation for additional testing. However, as a precautionary measure, HMC did collect a soil gas sample in the vicinity of this feature as part of our overall Site screening event.

- Coke Storage Building – According to AEI this building was used to store coke that was likely used in large furnaces and generators. Based on Sanborn Maps reviewed by HMC, this building was located approximately 250 feet south of the Site. Although AEI presented this feature as an environmental concern to the Site, based on the distance of this building from the Site and the type of material stored, HMC does not concur with AEI that additional investigations are warranted.

- Pintsch Gas Plant - According to AEI, the Pintsch Gas Plant was possibly located on the Site. AEI assumed this location based on limited data provided by the Environmental Data Resources Inc. (EDR) database report obtained during the Phase I ESA. AEI assumed that this facility was on the subject property due to the indication by EDR that in 1906 the gas plant maintained a "woodworking building" and used coal as a fuel. Because the Site contained a Woodworking, Carpenter, and Planing Mill and close-by Coke Storage Building in 1906, AEI assumed that these activities were associated with the gas plant, although they were clearly labeled as associated with the Pacific Electric Railroad Company's electric railcar maintenance yard. HMC reviewed the EDR database which indicates that in 1906 the gas plant was located north of Bay Street, in the block between South Alameda Street and Lawrence Street. Based on this information, the gas plant would have been located east of the Site and beyond Alameda Street. This corresponds to historical aerial photographs which show a large AST with an accordion style roof (similar to those used to store gasses) located east of the Site. Furthermore, a manufacture gas plant (MGP) has been investigated and was located at this location at what is now the current location of the Greyhound Parking Lot across Alameda Street from the Site. At this property, the Department of Toxic Substances Control (DTSC) is acting as lead regulatory agency and Sempra Energy is the responsible party. Some additional off-site characterization is being completed to the south and southwest of this property. A work plan has been prepared to conduct additional sampling along Alameda Street. Based on the information provided, there is a low likelihood that the former Pintsch Gas Plant was located on-Site, but rather, was located off-Site east of Alameda Street, and therefore, this feature would not be considered an environmental concern to the Site. As noted herein, and as a precautionary measure, HMC collected a soil sample along the east-

ern property line as part of the subsurface investigation to assure that this off-Site facility had not impacted the Site.

- Los Angeles Terminal – The Site was redeveloped by Southern Pacific as the Los Angeles Terminal in 1917. Through the years a number of buildings were constructed as the Los Angeles Terminal, these buildings were reportedly constructed and used for warehouse, distribution, and offices. There has been no information obtained from regulatory records that would suggest that manufacturing operations occurred during this time. The Los Angeles Terminal included the four existing buildings (referred to herein as "Building 1 through 4") and five other buildings that have since been razed. During this time these buildings were used for offices and warehouse purposes, primarily for produce warehouse and distribution. The distribution businesses used three clustered fuel USTs that were located in the southern portion of the Site. These USTs were removed in 1997 under the direction and oversight of the City of Los Angeles Fire Department (LAFD). Although AEI indicated that they could not find a copy of the closure letter for the USTs, HMC discovered the no further action (NFA) letter in an appendix of AEI's report. For convenience, a copy of the NFA letter is provided as Attachment A. According to AEI, a number of historical tenants were considered environmental concerns based entirely on their business name (e.g. SE Rycoff, Terminal Economics Laboratory, Pittsburg Steel Company, French Battery Company, Oleo Manufacturing and Packaging, Terminal Refrigerators, etc.) and were assumed to be conducting manufacturing operations. Most of these historical tenants occupied Buildings 2 and 3. Based on our review, there has been no indication in regulatory agency files or historical databases that suggest manufacturing operations were conducted by these tenants. Therefore, HMC does not concur with AEI that the operations conducted by the former occupants would be considered an environmental concern. In addition, HMC does not concur with AEI that the three clustered USTs would be considered an environmental concern. However, as discussed herein, and for precautionary measures, HMC completed soil and soil gas investigations in these areas as part of a Site screening to further assess whether an environmental issue was present.

Based on the above information, the following Environmental Concerns (i.e. RECs as defined by ASTM and AAI standards) were assessed by HMC as needing further evaluation. To address these areas, and as discussed herein, HMC completed a shallow soil and soil gas investigation. Prior to beginning work, these areas of concern were superimposed from historical documents (i.e. Sanborn Maps) onto an existing Site plan (Figure 2).

Environmental Concerns (RECs)

- Former Machine Shop;
- Former Paint Shop and Former Paint Mixing Area;
- Former Oil House; and
- Former Repair Shop.

In addition to the Environmental Concerns noted above, HMC also evaluated other unknown areas of concern by completing an overall Site screening which included the collection of soil and soil gas samples. The Site screening also included specific locations of Environmental Interest that were presented in the AEI report, but would not be considered an REC in accordance with ASTM and AAI Standards. These features were further investigated as a precautionary measure to assure that they had not impacted the Site.

Environmental Interests

- Former occupants of Buildings 1 through 4;
- Area of the Former USTs;
- Former Woodworking, Carpenter, and Planing Mill;
- Former Electrical Construction Department;
- Former Off-Site Gas Plant; and
- General Site Screening.

OBJECTIVE

The objective of the investigation described herein was to assess whether elevated concentrations of selected chemicals were present in soil and soil gas in areas of Environmental Concerns and in the vicinity of Environmental Interests.

CLEAN UP GUIDELINES

HMC completed a subsurface investigation which included the collection of soil and soil gas samples throughout the Site. Selected soil samples were analyzed by a State-certified laboratory for total petroleum hydrocarbons carbon chain C_{10}-C_{32} (TPHcc), Title 22 metals, polynuclear aromatic hydrocarbons (PAHs), volatile organic compounds (VOCs), and/or polychlorinated biphenyls (PCBs) in general accordance with EPA Method Nos. 8015 (modified), 6010/7000 series, 8270C, 8260B, and 8082. Soil gas samples were collected and analyzed for VOCs in general accordance with EPA Method No. 8260B.

Laboratory results of soil samples indicated no detectable concentrations of PAHs, VOCs, and PCBs. No detectable concentrations of petroleum hydrocarbons were noted in soil samples in the carbon chain C_{10} through C_{22} (i.e. total petroleum hydrocarbons as gasoline C_{10}-C_{12} [TPHg] and total petroleum hydrocarbons as diesel fuel C_{13}-C_{22} [TPHd]).

Concentrations of heavy petroleum hydrocarbons (i.e. carbon chain range C_{23}-C_{32}) in soil were generally assessed based on the Regional Water Quality Control Board, Los Angeles Region (RWQCB) Interim Site Assessment & Cleanup Guidebook dated May 1996 (referred to herein as the "RWQCB guidelines"). The RWQCB guidelines were established to provide cleanup goals to protect groundwater. The RWQCB guidelines take into account a number of variables including constituents detected, lithological conditions, and depth to groundwater. Concentrations of heavier petroleum hydrocarbons, referred to herein as total petroleum hydrocarbons as oil C_{23}-C_{32} (TPHo), were considered elevated if concentrations exceeded 1,000 milligrams per kilogram (mg/kg). These concentrations were based on the RWQCB guidelines for properties where samples are collected at depths of 20 feet or less above groundwater.

Concentrations of Title 22 metals in soil were compared to the health-based cleanup guidelines presented in the Cal-EPA California Human Health Screening Levels for industrial/commercial land use (CHHSLi) and the Federal health-based cleanup guidelines referred to as the Regional

Screening Levels for industrial/commercial land use (RSLi). Metals are naturally occurring. Because the natural occurring concentrations of arsenic in California soils typically exceed the CHHSLi and RSLi values, elevated concentrations of arsenic were defined as levels exceeding published background concentrations. The Kearney Foundation of Soil Science (Kearney) completed a study of California soils. According to Kearney, background concentrations of arsenic in California ranges from approximately 0.59 to 11 milligrams per kilogram (mg/kg). Other available publications documenting metal concentrations in soil throughout the western United States indicate concentrations of naturally occurring arsenic ranging from less than 0.1 to 40 mg/kg (Dragun, 1988) and less than 0.1 to 97 mg/kg (Shacklette & Boerngen, 1984). Based on these publications, arsenic was considered elevated if concentrations exceeded 11 mg/kg. VOCs in soil gas samples were compared to the Cal-EPA CHHSLi values.

SOIL AND SOIL GAS SAMPLING

The following subsurface investigation was completed to address the Environmental Concerns discovered following review of AEI's Phase I ESA. In addition, HMC completed a Site screening to further evaluate unknown areas of concern, and as a precautionary measure, to further assess possible historical features discovered by AEI during completion of the Phase I ESA, referred to by HMC as Environmental Interests.

HMC advanced 24 soil borings on January 29 and 30, 2013 throughout the Site using direct-push equipment. One soil sample was collected at approximately 5 feet below ground surface (bgs) at each location and was screened in the field for staining, odors, and elevated photoionization detection readings (PID). Based on field observations, no staining or odorous soil or elevated PID readings were discovered. Soil lithology generally consisted of silty fine sands. Each soil boring was used to install one soil gas point (designated SG-1 through SG-24) at approximately 5 feet bgs. Following installation, each soil gas sample point was evacuated of 3 purged volumes and a sample was collected and analyzed for VOCs. Laboratory results of soil gas samples are presented on Table 1, and laboratory results of soil samples are presented on

Table 2. Laboratory reports are presented in Attachment B. The following presents the results of these investigations.

Environmental Concerns (RECs)

As noted above, Environmental Concerns were identified during the 2004 Phase I ESA. These areas were further evaluated through the collection and analyses of soil and soil gas samples. The location of these features was obtained from a scaled Sanborn Map provided in the 2004 Phase I ESA.

Former Machine Shop

The Former Machine Shop was associated with the Pacific Electric Railroad Company that occupied the Site in the early 1900s (Figure 2). HMC advanced two soil borings in the location of this former feature and collected two soil samples (SG-17s and SG-18s) and two soil gas samples (SG-17 and SG-18). Laboratory results of soil gas samples indicated no detectable to low concentrations of VOCs (Table 1). Soil samples were analyzed for TPHcc, VOCs, and Title 22 metals. Laboratory results indicated no detectable concentrations of TPHg, TPHd, and VOCs. Low concentrations of TPHo were reported in one of the two samples, well below the RWQCB guidelines; the remaining sample reported no detectable concentrations of TPHo. With the exception of lead, laboratory results indicated no detectable to low concentrations of metals. Laboratory results of lead in one sample (SG-17s) were detected at 500 mg/kg, which exceeded the State-CHHSLi value of 320 mg/kg but not the Federal-RSLi value of 800 mg/kg (Table 2). Because the State value is very conservative, and the fact that other samples in the vicinity showed no detectable concentrations (indicating a very limited extent), this value would not be considered an environmental concern. In addition, the area is currently paved with asphalt and used as a parking lot, limiting the exposure route to human contact.

Former Paint Shop and Former Paint Mixing Area

The Former Paint Shop and Paint Mixing Area were associated with the Pacific Electric Railroad Company. Two soil borings (SG-7 and SG-10) were advanced in the vicinity of the Former Paint Shop and one boring (SG-9) was advanced in the vicinity of the Former Paint Mixing Area (Figure 2). Laboratory results of soil gas samples (SG-7, -9, and -10) indicated no detectable to low concentrations of VOCs (Table 1). One soil sample collected from this area (SG-9s) was analyzed for TPHcc and Title 22 metals. Laboratory results indicated no detectable concentrations of TPHcc and no detectable to low concentrations of Title 22 metals (Table 2).

Former Oil House

The Former Oil House was also associated with the Pacific Electric Railroad Company (Figure 2). HMC advanced one soil boring in this location and collected one soil sample (SG-16s) and one soil gas sample (SG-16). Laboratory results of the soil gas sample indicated no detectable concentrations of VOCs (Table 1). Soil sample SG-16s was analyzed for TPHcc and PCBs. Laboratory results indicated no detectable concentrations of TPHcc and PCBs (Table 2).

Former Repair Shop

The Former Repair Shop was associated with the Pacific Electric Railroad Company (Figure 2). The borings were also used to further assess whether former occupants of Buildings 3 and 4 might have impacted the Site. HMC advanced two soil borings in the location of this former feature for the collection of soil samples (SG-4s and SG-5s) and soil gas samples (SG-4 and SG-5). Laboratory results of soil gas samples indicated no detectable to low concentrations of VOCs (Table 1). The soil samples were analyzed for petroleum hydrocarbons and VOCs and laboratory results indicated no detectable concentrations (Table 2).

Site Screening and Environmental Interests

The remaining 18 sample points were either used as a screening technique drilled in sporadic locations throughout the Site to assess unknown areas of possible concern, or were placed in specific areas of environmental interest as a precautionary measure to assess historical features (Figure 2). The areas of Environmental Interests included the Former Occupants of Buildings 1 through 4; Area of Former USTs; Former Woodworking, Carpenter, and Planing Mill; Former Electrical Construction Department; Former Off-Site Gas Plant; and for General Site Screening. During the Site reconnaissance, HMC discovered two existing clarifiers located next to Building 2. These features were investigated during the Site screening as discussed below.

Former Occupants of Buildings 1 through 4

HMC advanced eight soil borings (SG-1 through -6, -13 and -14) next to or between existing buildings to further assess whether historical occupants might have impacted the Site and for screening purposes (Figure 2). Former occupants included businesses such as SE Rycoff, Terminal Economics Laboratory, Pittsburg Steel Company, French Battery Company, Oleo Manufacturing and Packaging, and Terminal Refrigerators. Soil boring SG-2 was also placed next to two existing clarifiers observed during our Site reconnaissance which are located southeast of to Building 2 (Figure 2).

Laboratory results of the soil gas samples indicated no detectable to low concentrations of VOCs (Table 1). Soil samples were collected from borings SG-1, -2, -4, and -5 for chemical analyses (as noted above, samples SC-4 and -5 were also analyzed to assess soil conditions associated with the Former Repair Shop associated with the former electric railcar maintenance facility). Soil sample SG-1s was analyzed for TPHcc and PCBs and soil sample SG-2s was analyzed for TPHcc and VOCs. Laboratory results of SG-1s indicated no detectable to low concentrations of TPHcc and no detectable concentrations of PCBs (Table 2). Laboratory results of soil sample SG-2s indicated no detectable concentrations of TPHcc and VOCs (Table 2).

Area of the Former USTs

Although the former USTs were removed under the direction and oversight of the LAFD and obtained a NFA letter from that agency, HMC advanced one soil gas point in the area of this feature (SG-8 on Figure 2). Laboratory results indicate no detectable concentrations of VOCs.

Former Woodworking, Carpenter, and Planing Mill

Although the Former Woodworking, Carpenter and Planing Mill was not considered an REC, HMC advanced two soil gas points (designated SG-11 and SG-12) in the location of this former feature (Figure 2). As noted on Table 1, laboratory results indicated no detectable to low concentrations of VOCs.

Former Electrical Construction Department

As shown on Figure 2, the former buildings associated with the Former Electrical Construction Department were mostly located off-Site. These buildings were labeled on Sanborn Maps as being used for office, storage and a "shop." Although not considered an environmental concern, HMC advanced one soil boring in the vicinity of this feature for the collection of soil and soil gas samples (SG-23 on Figure 2). Laboratory results indicated no detectable to low concentrations of VOCs in soil gas (Table 1), and no detectable concentrations of TPHcc and VOCs in soil.

Former Off-Site Gas Plant

To further assess whether this off-Site feature had impacted the Site, HMC advanced one soil boring along the eastern property boundary of the Site (SG-19 on Figure 2). This sample point was also used as a screening point. Laboratory results of the soil gas sample indicated no detectable concentrations of VOCs (Table 1). The soil sample collected from this boring was analyzed for TPHcc and PAHs. Laboratory results indicated no detectable concentrations of TPHcc and PAHs (Table 2).

General Site Screening

As discussed above, a number of the sampling points were used to address known issues, but some were also used as a general Site screening to assess unknown areas of possible environmental concern. Laboratory results of most of these sample points are discussed above. The remaining soil gas points (SG-15, -20, -21, -22, and -24) not discussed above, were placed within the Former Lumber Storage (SG-15) and in the east (SG-20) and southeastern portion of the Site (SG-21, -22, and -24) to further address possible concerns in those areas (Figure 2). With the exception of sample SG-24, laboratory results indicated no detectable to low concentrations of VOCs. Laboratory results of soil gas sample SG-24 indicated tetrachloroethylene (PCE) at a concentration at the CHHSLi value (1.60 micrograms per liter [ug/l]). Due to this conservative value and the fact that other near-by sampling points showed no detectable to low concentrations of PCE, this detection appears to be an anomaly and would not be considered an environmental concern to the Site or possible health risk to occupants.

CONCLUSIONS AND RECOMMENDATIONS

HMC previously prepared a Phase I ESA for the Site which included a review of a previously completed 2004 Phase I ESA by AEI. While HMC concurred that there were RECs associated with the Site from the historical uses, we did not concur on the specific issues of concern noted by AEI and determined that AEI's conclusions included unsupported speculations. HMC compiled a list of Environmental Concerns and Environmental Interests. The Environmental Concerns were based on facts and data provided in the 2004 Phase I ESA and would be considered RECs in accordance with ASTM and AAI Standards. The list of Environmental Interests included other possible environmental concerns outlined in the report, but would not be considered RECs based on the data provided. To further assess general Site conditions, these sample points were also used as a screening technique to assess whether unknown environmental concerns were present.

In general, no detectable to low concentrations of petroleum hydrocarbons, VOCs, PAHs, metals, and PCBs were reported in selected soil samples, and no elevated VOCs were reported in soil gas samples.

Laboratory results of one soil sample, collected in the vicinity of the Former Machine Shop associated with the former electric railcar maintenance yard, indicated concentrations of lead exceeding the conservative State health-based criteria, but not the Federal health-based guidelines. The soil sample was collected at a depth of approximately 5 feet bgs and is currently located beneath an asphalt capped parking lot. Laboratory results of other near-by samples have indicated no detectable concentrations of lead, suggesting a very limited extent. The cleanup guidelines set by the State and Federal regulatory agencies are health-based criteria which are based on contact with the materials. Because these materials are located relatively deep and are capped with asphalt, direct exposure to these materials does not exist based on current conditions. Based on the depth of the materials, capped area, and limited exposure route, there is a low likelihood that these materials would pose an environmental concern to the Site or human health risk to occupants of the Site in its current condition. Therefore, these materials would not need to be remediated in our judgment.

Laboratory results of one soil gas sample collected in the southern portion of the Site indicated concentrations of PCE at the State-CHHSLi value. Other samples in the general vicinity did not show elevated PCE concentrations, which suggests that the concentration is limited in extent and no source area is present. The CHHSLi values are conservative guidelines used to assess whether a vapor intrusion issue could be present. Because no structures are located in the area, there is a low likelihood that these concentrations would pose a possible vapor intrusion issue.

Based on the data collected, there is a low likelihood that elevated concentrations of selected chemicals are present in the vicinity of the Environmental Concerns and Environmental Inter-

ests discovered at the Site. Based on this conclusion, HMC recommends no further investigation or remediation at the Site.

If you have any questions or comments regarding this report, please call the undersigned at your convenience.

Sincerely,
Hazard Management Consulting, Inc.

Mark S. Cousineau
Principal

Paul A. Roberts, P.G.
Principal Geologist

PAR/MSC/paw

Attachment: Table 1 – Laboratory Results of Soil Gas Samples
Table 2 – Laboratory Results of Soil Samples
Figure 1 – Site Location Map
Figure 2 – Sample Location Map
Attachment A – City of Los Angeles Fire Department No Further Action Letter
Attachment B – Laboratory Reports

Distribution: (1) Addressee (via email)

References

AEI Consultants, 2004, Phase I Environmental Site Assessment, 761 Terminal Street, Los Angeles County, CA 90021: Report prepared for Alameda Produce Market, dated June 25.

California Environmental Protection Agency (Cal-EPA), 2005, Use of California Human Health Screening Levels (CHHSLs) in Evaluation of Contaminated Properties, dated January. Revised Table 2 – Soil Gas Screening Numbers for Volatile Chemicals below Buildings Constructed with Engineered Fill Below Sub-Slab Gravel, updated September 23, 2010.

Regional Water Quality Control Board, Los Angeles Region (RWQCB), 1996, Interim Site Assessment & Cleanup Guidebook, dated May.

Dragun, J., 1988, The Soil Chemistry of Hazardous Materials, Hazardous Materials Control Research Institute, Silver Spring, Maryland.

EPA Region 9, 2012, Regional Screening Levels (RSLs) Summary Table April 2012.

Kearney Foundation of Soil Science, Division of Agriculture and Natural Resources, University of California, 1996, Background Concentrations of Trace and Major Elements in California Soils, dated March.

Shacklette, H.T. and Boerngen, J.G., 1984, Element Concentrations in Soils and Other Surficial Materials of the Conterminous United States, United States Geological Society Professional Paper 1270.

TABLE 1 - LABORATORY RESULTS OF SOIL GAS SAMPLING

ENVIRONMENTAL CONCERNS (RECs)								
Location/Rationale	Sample ID	Date Sampled	Sample Depth (feet bgs)	VOCs (ug/l)				
				PCE	Benzene	Xylenes	Ethylbenzene	All Others
Former Machine Shop	SG-17	1/30/2013	5	ND<0.10	ND<0.10	ND<0.50	ND<0.50	ND<0.10-1.0
	SG-18	1/30/2013	5	ND<0.10	ND<0.10	**0.70**	ND<0.50	ND<0.10-1.0
Former Paint Shop and Paint Mixing Area	SG-7	1/29/2013	5	ND<0.10	ND<0.10	ND<0.50	ND<0.50	ND<0.10-1.0
	SG-9	1/29/2013	5	ND<0.10	**0.20**	**0.84**	ND<0.50	ND<0.10-1.0
	SG-10	1/29/2013	5	ND<0.10	ND<0.10	ND<0.50	ND<0.50	ND<0.10-1.0
Former Oil House	SG-16	1/30/2013	5	ND<0.10	ND<0.10	ND<0.50	ND<0.50	ND<0.10-1.0
Former Repair Shop	SG-4	1/29/2013	5	ND<0.10	**0.20**	ND<0.50	ND<0.50	ND<0.10-1.0
	SG-5	1/29/2013	5	ND<0.10	ND<0.10	ND<0.50	ND<0.50	ND<0.10-1.0
CHHSLI				1.60	0.28	2,400	3.60	Various
ENVIRONMENTAL INTERESTS								
Location/Rationale	Sample ID	Date Sampled	Sample Depth (feet bgs)	VOCs (ug/l)				
				PCE	Benzene	Xylenes	Ethylbenzene	All Others
Site screening and historical activities associated with the former occupants of Building 2 and 3	SG-1	1/29/2013	5	ND<0.10	ND<0.10	ND<0.50	ND<0.50	ND<0.10-1.0
	SG-3	1/29/2013	5	ND<0.10	ND<0.10	ND<0.50	ND<0.50	ND<0.10-1.0
Site screening, historical activities associated with the former occupants of Building 2 and 3, and two existing clarifiers	SG-2	1/29/2013	5	ND<0.10	ND<0.10	ND<0.50	ND<0.50	ND<0.10-1.0
Site screening and historical activities associated with the former occupants of Buildings 3 and 4	SG-4	1/29/2013	5	ND<0.10	**0.20**	ND<0.50	ND<0.50	ND<0.10-1.0
	SG-5	1/29/2013	5	ND<0.10	ND<0.10	ND<0.50	ND<0.50	ND<0.10-1.0
	SG-6	1/29/2013	5	ND<0.10	ND<0.10	ND<0.50	ND<0.50	ND<0.10-1.0
Area of Former USTs	SG-8	1/29/2013	5	ND<0.10	ND<0.10	ND<0.50	ND<0.50	ND<0.10-1.0
Former Woodworking, Carpenter, and Planing Mill	SG-11	1/29/2013	5	ND<0.10	ND<0.10	ND<0.50	ND<0.50	ND<0.10-1.0
	SG-12	1/29/2013	5	ND<0.10	**0.10**	ND<0.50	ND<0.50	ND<0.10-1.0
Site screening and historical activities associated with Building 1	SG-13	1/29/2013	5	ND<0.10	ND<0.10	ND<0.50	ND<0.50	ND<0.10-1.0
			5 (Dup.)	ND<0.10	ND<0.10	ND<0.50	ND<0.50	ND<0.10-1.0
	SG-14	1/29/2013	5	ND<0.10	ND<0.10	ND<0.50	ND<0.50	ND<0.10-1.0
Site Screening and Former Lumbar Storage	SG-15	1/30/2013	5	ND<0.10	ND<0.10	ND<0.50	ND<0.50	ND<0.10-1.0
			5 (Dup.)	ND<0.10	ND<0.10	ND<0.50	ND<0.50	ND<0.10-1.0
Site screening and historical off-site gas plant	SG-19	1/30/2013	5	ND<0.10	ND<0.10	ND<0.50	ND<0.50	ND<0.10-1.0
Site Screening	SG-20	1/30/2013	5	ND<0.10	ND<0.10	ND<0.50	ND<0.50	ND<0.10-1.0
	SG-21	1/30/2013	5	ND<0.10	**0.12**	**0.91**	ND<0.50	ND<0.10-1.0
	SG-22	1/30/2013	5	**1.30**	ND<0.10	**6.0**	**1.10**	ND<0.10-1.0
	SG-24	1/30/2013	5	**1.60**	ND<0.10	**0.84**	ND<0.50	ND<0.10-1.0
Site screening and Former Electrical Construction Department	SG-23	1/30/2013	5	**0.12**	ND<0.10	ND<0.50	ND<0.50	ND<0.10-1.0
CHHSLI				1.60	0.28	2,400	3.60	Various

Notes:

Sample ID - sample identification

feet bgs - feet below the ground surface

ug/l - micrograms per liter

VOCs - volatile organic compounds analyzed in accordance with EPA Method No. 8260B

PCE - tetrachloroethlyene

Dup. - duplicate sample

NA - not available

CHHSLI - California Human Health Screening Levels for commercial/industrial land uses, Table 2 - Soil-Gas Screening Numbers for Volatile Chemicals below Buildings Constructed with Engineered Fill below Sub-slab Gravel dated September 23, 2010

TABLE 2 - LABORATORY RESULTS OF SOIL SAMPLES

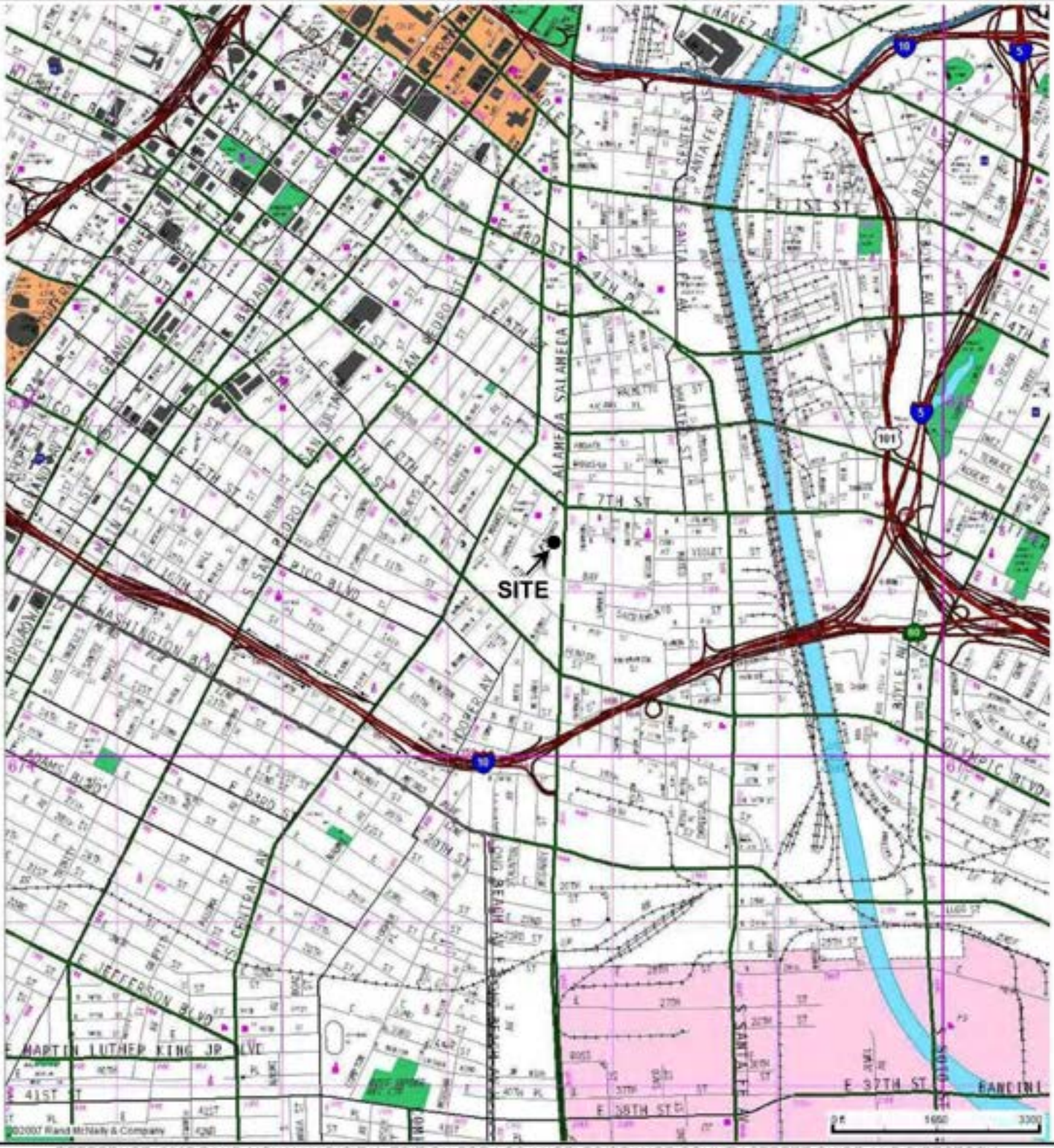
ENVIRONMENTAL CONCERNS (RECs)

Location/Rationale	Sample ID	Date Sampled	Sample Depth (feet bgs)	TPHcc (mg/kg) TPHg C_{5}-C_{12}	TPHcc (mg/kg) TPHd C_{13}-C_{22}	TPHcc (mg/kg) TPHo C_{23}-C_{32}	VOCs (mg/kg)	Metals (mg/kg) Antimony	Silver	Arsenic	Barium	Beryllium	Cadmium	Chromium	Cobalt	Copper	Lead	Molybdenum	Nickel	Selenium	Thallium	Vanadium	Zinc	Mercury	PAHs (mg/kg)	PCBs (mg/kg)
Former Machine Shop	SG-17s	1/30/2013	5	ND<10	ND<10	**190**	ND<0.005	ND<3	ND<2	ND<5	**120**	ND<1	ND<2	**28**	**4.3**	**99**	**500**	ND<5	**10**	ND<5	ND<2	**21**	**100**	ND<0.10	—	—
	SG-18s	1/30/2013	5	ND<10	ND<10	ND<10	ND<0.005	ND<3	ND<2	ND<5	**66**	ND<1	ND<2	**6.7**	**5.8**	**8.3**	ND<3	ND<5	**5.2**	ND<5	ND<2	**19**	**30**	ND<0.10	—	—
Former Paint Shop and Paint Mixing Area	SG-9s	1/29/2013	5	ND<10	ND<10	ND<10	NA	ND<3	ND<2	ND<5	**74**	ND<1	ND<2	**7.6**	**6.5**	**10**	ND<3	ND<5	**6.3**	ND<5	ND<2	**20**	**38**	ND<0.10	—	—
Former Oil House	SG-16s	1/30/2013	5	ND<10	ND<10	ND<10	ND<0.005	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	ND<0.010
Former Repair Shop and former occupants of Buildings 3 and 4	SG-4s	1/4/2013	5	ND<10	ND<10	ND<10	ND<0.005	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	SG-5s	1/5/2013	5	ND<10	ND<10	ND<10	ND<0.005	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
CHHSLi				NA	NA	NA	NA	380	4,800	0.24	63,000	190	7.5	100,000	3,200	38,000	320	4,800	16,000	4,800	63	6,700	100,000	180	NA	0.3
RSLi				NA	NA	NA	Various	410	5,100	1.6	15,000	2000	800	NA	300	41,000	800	5,100	NA	5,100	NA	5,200	310,000	43	Various	Various
RWQCB Guidelines				100	100	1,000	Various	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

ENVIRONMENTAL INTERESTS

Location/Rationale	Sample ID	Date Sampled	Sample Depth (feet bgs)	TPHcc (mg/kg) TPHg C_{5}-C_{12}	TPHcc (mg/kg) TPHd C_{13}-C_{22}	TPHcc (mg/kg) TPHo C_{23}-C_{32}	VOCs (mg/kg)	Metals (mg/kg) Antimony	Silver	Arsenic	Barium	Beryllium	Cadmium	Chromium	Cobalt	Copper	Lead	Molybdenum	Nickel	Selenium	Thallium	Vanadium	Zinc	Mercury	PAHs (mg/kg)	PCBs (mg/kg)
Site screening and historical activities associated with the former occupants of Buildings 2 and 3	SG-1s	1/29/2013	5	ND<10	ND<10	**35**	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	ND<0.010
Site screening, historical activities associated with the former occupants of Buildings 2 and 3, and two existing clarifiers	SG-2s	1/29/2013	5	ND<10	ND<10	ND<10	ND<0.005	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Site screening and former occupants of Buildings 3 and 4	SG-4s	1/4/2013	5	ND<10	ND<10	ND<10	ND<0.005	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	SG-5s	1/5/2013	5	ND<10	ND<10	ND<10	ND<0.005	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Site screening and historical off-site gas plant	SG-19s	1/30/2013	5	ND<10	ND<10	ND<10	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	ND<0.005-0.010	—
Site screening and Former Electrical Construction Department	SG-23s	1/30/2013	5	ND<10	ND<10	ND<10	ND<0.005	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
CHHSLi				NA	NA	NA	NA	380	4,800	0.24	63,000	190	7.5	100,000	3,200	38,000	320	4,800	16,000	4,800	63	6,700	100,000	180	NA	0.3
RSLi				NA	NA	NA	Various	410	5,100	1.6	15,000	2000	800	NA	300	41,000	800	5,100	NA	5,100	NA	5,200	310,000	43	Various	Various
RWQCB Guidelines				100	100	1,000	Various	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Notes:
Sample ID - Sample identification
feet bgs - feet below the ground surface
TPHcc - total petroleum hydrocarbon chain C_{5}-C_{32} analyzed in general accordance with EPA Method No. 8015M
mg/kg - milligrams per kilogram
VOCs - volatile organic compounds analyzed in general accordance with EPA Method No. 8260
Metals - Title 22 metals analyzed in general accordance with EPA Method No. 6010/7000 series
PAHs - polynuclear aromatic hydrocarbons analyzed in general accordance with EPA Method No. 8270
PCBs - polychlorinated biphenyls analyzed in general accordance with EPA Method No. 8082
TPHg - total petroleum hydrocarbons as gasoline carbon chain C_{5}-C_{12}
TPHd - total petroleum hydrocarbons as diesel chain carbon C_{13}-C_{22}
TPHo - total petroleum hydrocarbons as oil chain carbon C_{23}-C_{32}
ND - no detectable concentrations above the laboratory reporting limit
— - Not analyzed
NA - Not applicable
CHHSLi - California Human Health Screening Levels for commercial/industrial land uses, Table 1 - Soil Screening Numbers for Non-Volatile Chemicals Based On Total Exposure To Contaminated Soil: Inhalation, Ingestion and Dermal Absorbtion dated September 23, 2010
RSLi - US Environmental Protection Agency Region 9, Regional Screening Levels for industrial soil, dated April 2012
RWQCB Guidelines - Regional Water Quality Control Board, Los Angeles Region Interior Site Assessment & Clean-up Guidebook, dated May 1996, Table 4-1: Maximum Soil Screening Levels (mg/kg) for TPH and BTEX above Drinking Water Aquifers, assuming depth to groundwater at approximately 21 feet bgs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E 4TH ST
E 41ST ST
E 37TH ST
E 38TH ST
S ALAMEDA ST
S SANTA FE AVE
E MARTIN LUTHER KING JR BLVD
E JEFFERSON BLVD
E WASHINGTON BLVD
S SAN PEDRO ST
S CENTRAL AVE
S BEAUDRY AVE
S FIGUEROA ST
S OLIVE ST
S GRAND AVE
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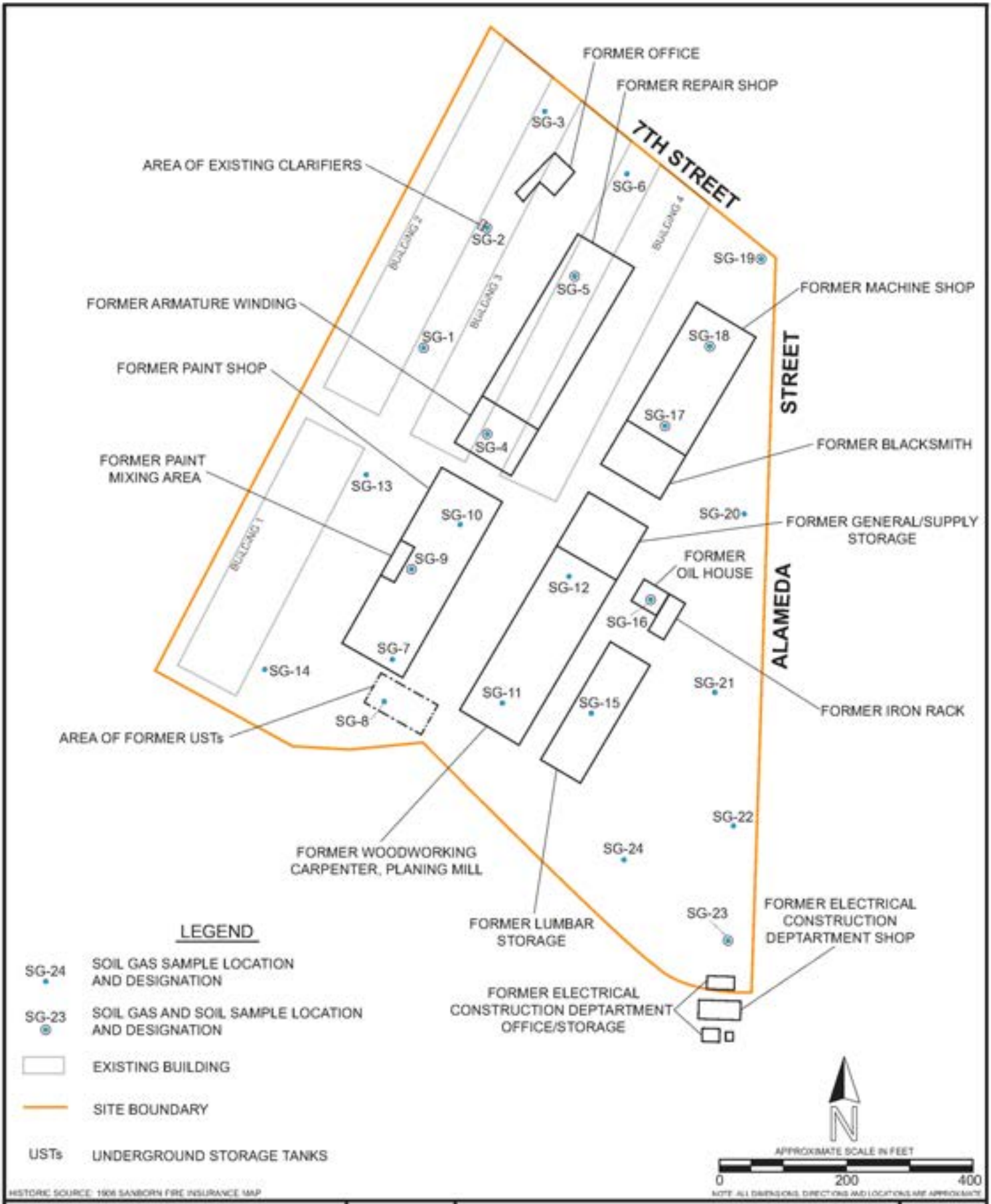

HMC HAZARD MANAGEMENT CONSULTING

PROJECT NO. 100417001	SAMPLE LOCATION MAP	FIGURE 2
DATE 1/13	761 TERMINAL STREET LOS ANGELES, CALIFORNIA	

ATTACHMENT A

CITY OF LOS ANGELES FIRE DEPARTMENT
NO FURTHER ACTION LETTER

BOARD OF
FIRE COMMISSIONERS
485-6032

DAVID W. FLEMING
PRESIDENT
KENNETH LOMBARD
VICE-PRESIDENT
LARRY GONZALEZ
ELIZABETH H. LOWE
LESLIE SONG WINNER

LYNNE NELSON
EXECUTIVE ASSISTANT

CITY OF LOS ANGELES
CALIFORNIA

RICHARD J. RIORDAN
MAYOR

DEPARTMENT OF FIRE
200 NORTH MAIN STREET
LOS ANGELES, CA 90012

WILLIAM R. BAMATTRE
CHIEF ENGINEER
AND
GENERAL MANAGER

May 2, 1997

Mr. John Durham
S.E. Rykoff and Company
761 Terminal Street
Los Angeles, CA 90021

Dear Mr. Durham:

761 Terminal Street
Los Angeles, California

The Fire Department has reviewed the Tank Closure Report dated April 24, 1997, as submitted by HVN Environmental Service Company, Incorporated.

Based on the information provided to date, this Department has determined that no further action is required at this time.

Please note that this letter does not exempt you of any liability under the California Health and Safety Code or Water Code for past, present or future operations at this site. Nor does it exempt you of the responsibility to correct additional or previously unidentified conditions at this site which cause, or thereafter to cause, pollution or nuisance, or otherwise pose a threat to water quality or public health.

If you require additional information from the Los Angeles City Fire Department, please contact Inspector Gilbert T. Urrea, Jr. of the Environmental Unit, at (213) 485-7543.

Very truly yours,

WILLIAM R. BAMATTRE
Chief Engineer and General Manager

D. C. Wilcox

Dennis C. Wilcox, Captain II
Commander, Environmental Unit

DCW:GTU:crj/a:env1835

cc: Mr. Kenneth K. Hekimian
HVN Environmental Service Company, Incorporated

ATTACHMENT B

LABORATORY RESULTS

Mobile Geochemistry Inc.

06 February 2013

Mr. Mark S. Cousineau
Hazard Management Consulting, Inc.
211 W. Avenida Cordoba, #200
San Clemente, CA 92672

H&P Project: HMC012913-L6
Client Project: 761 TERMINAL ST

Dear Mr. Mark S. Cousineau:

Enclosed is the analytical report for the above referenced project. The data herein applies to samples as received by H&P Mobile Geochemistry, Inc. on 1/29/2013 -1/30/2013 which were analyzed in accordance with the attached Chain of Custody record(s).

The results for all sample analyses and required QA/QC analyses are presented in the following sections and summarized in the documents:

- Sample Summary
- Case Narrative (if applicable)
- Sample Results
- Quality Control Summary
- Notes and Definitions / Appendix
- Chain of Custody

Unless otherwise noted, all analyses were performed and reviewed in compliance with our Quality Systems Manual and Standard Operating Procedures. This report shall not be reproduced, except in full, without the written approval of H&P Mobile Geochemistry, Inc.

We at H&P Mobile Geochemistry, Inc. sincerely appreciate the opportunity to provide analytical services to you on this project. If you have any questions or concerns regarding this analytical report, please contact me at your convenience at 760-804-9678.

Sincerely,

Lisa Ferg for

Janis Villarreal
Laboratory Director

H&P Mobile Geochemistry, Inc. operates under CA Environmental Lab Accreditation Program Numbers 2579, 2740, 2741, 2742, 2743, 2745 and 2754. National Environmental Laboratory Accreditation Conference (NELAC) Standards Lab #11845

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Hazard Management Consulting, Inc.	Project: HMC012913-L6	
211 W. Avenida Cordoba, #200	Project Number: 761 TERMINAL ST	Reported:
San Clemente, CA 92672	Project Manager: Mr. Mark S. Cousineau	06-Feb-13 10:44

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SG-2-5', P1626cc	E301101-01	Vapor	29-Jan-13	29-Jan-13
SG-1-5', P1626cc	E301101-02	Vapor	29-Jan-13	29-Jan-13
SG-3-5', P1626cc	E301101-03	Vapor	29-Jan-13	29-Jan-13
SG-4-5', P1626cc	E301101-04	Vapor	29-Jan-13	29-Jan-13
SG-5-5', P1626cc	E301101-05	Vapor	29-Jan-13	29-Jan-13
SG-6-5', P1626cc	E301101-06	Vapor	29-Jan-13	29-Jan-13
SG-7-5', P1626cc	E301101-07	Vapor	29-Jan-13	29-Jan-13
SG-8-5', P1626cc	E301101-08	Vapor	29-Jan-13	29-Jan-13
SG-9-5', P1626cc	E301101-09	Vapor	29-Jan-13	29-Jan-13
SG-10-5', P1626cc	E301101-10	Vapor	29-Jan-13	29-Jan-13
SG-11-5', P1626cc	E301101-11	Vapor	29-Jan-13	29-Jan-13
SG-12-5', P1626cc	E301101-12	Vapor	29-Jan-13	29-Jan-13
SG-13-5', P1626cc	E301101-13	Vapor	29-Jan-13	29-Jan-13
SG-14-5', P1626cc	E301101-14	Vapor	29-Jan-13	29-Jan-13
SG-13-5' Rep, P1676cc	E301101-15	Vapor	29-Jan-13	29-Jan-13
SG-15-5', P1626cc	E301107-01	Vapor	30-Jan-13	30-Jan-13
SG-15-5' Rep, P1676cc	E301107-02	Vapor	30-Jan-13	30-Jan-13
SG-16-5', P1626cc	E301107-03	Vapor	30-Jan-13	30-Jan-13
SG-17-5', P1626cc	E301107-04	Vapor	30-Jan-13	30-Jan-13
SG-18-5', P1626cc	E301107-05	Vapor	30-Jan-13	30-Jan-13
SG-19-5', P1626cc	E301107-06	Vapor	30-Jan-13	30-Jan-13
SG-20-5', P1626cc	E301107-07	Vapor	30-Jan-13	30-Jan-13
SG-21-5', P1626cc	E301107-08	Vapor	30-Jan-13	30-Jan-13
SG-22-5', P1626cc	E301107-09	Vapor	30-Jan-13	30-Jan-13
SG-23-5', P1626cc	E301107-10	Vapor	30-Jan-13	30-Jan-13
SG-24-5', P1626cc	E301107-11	Vapor	30-Jan-13	30-Jan-13

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Hazard Management Consulting, Inc.	Project: HMC012913-L6	
211 W. Avenida Cordoba, #200	Project Number: 761 TERMINAL ST	Reported:
San Clemente, CA 92672	Project Manager: Mr. Mark S. Cousineau	06-Feb-13 10:44

Volatile Organic Compounds by 8260SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SG-2-5', P1626cc (E301101-01) Vapor	**Sampled: 29-Jan-13**	**Received: 29-Jan-13**							
1,1-Difluoroethane (LCC)	ND	0.50	ug/l	0.05	EA32902	29-Jan-13	29-Jan-13	H&P 8260 SV	
Dichlorodifluoromethane (F12)	ND	0.50	"	"	"	"	"	"	
Vinyl chloride	ND	0.05	"	"	"	"	"	"	
Chloroethane	ND	0.50	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	0.50	"	"	"	"	"	"	
1,1-Dichloroethene	ND	0.50	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	0.50	"	"	"	"	"	"	
1,1,2 Trichlorotrifluoroethane (F113)	ND	0.50	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	0.50	"	"	"	"	"	"	
1,1-Dichloroethane	ND	0.50	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	0.50	"	"	"	"	"	"	
Chloroform	ND	0.10	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	0.50	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.10	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	0.10	"	"	"	"	"	"	
Benzene	ND	0.10	"	"	"	"	"	"	
Trichloroethene	ND	0.10	"	"	"	"	"	"	
Toluene	ND	1.0	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	0.50	"	"	"	"	"	"	
Tetrachloroethene	ND	0.10	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	0.50	"	"	"	"	"	"	
m,p-Xylene	ND	0.50	"	"	"	"	"	"	
o-Xylene	ND	0.50	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	0.50	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*105 %*		*75-125*	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*97.6 %*		*75-125*	"	"	"	"	
Surrogate: Toluene-d8		*106 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*106 %*		*75-125*	"	"	"	"	

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Hazard Management Consulting, Inc.	Project: HMC012913-L6	
211 W. Avenida Cordoba, #200	Project Number: 761 TERMINAL ST	Reported:
San Clemente, CA 92672	Project Manager: Mr. Mark S. Cousineau	06-Feb-13 10:44

Volatile Organic Compounds by 8260SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SG-1-5', P1626cc (E301101-02) Vapor Sampled: 29-Jan-13 Received: 29-Jan-13									
1,1-Difluoroethane (LCC)	ND	0.50	ug/l	0.05	EA32902	29-Jan-13	29-Jan-13	H&P 8260 SV	
Dichlorodifluoromethane (F12)	ND	0.50	"	"	"	"	"	"	
Vinyl chloride	ND	0.05	"	"	"	"	"	"	
Chloroethane	ND	0.50	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	0.50	"	"	"	"	"	"	
1,1-Dichloroethene	ND	0.50	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	0.50	"	"	"	"	"	"	
1,1,2 Trichlorotrifluoroethane (F113)	ND	0.50	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	0.50	"	"	"	"	"	"	
1,1-Dichloroethane	ND	0.50	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	0.50	"	"	"	"	"	"	
Chloroform	ND	0.10	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	0.50	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.10	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	0.10	"	"	"	"	"	"	
Benzene	ND	0.10	"	"	"	"	"	"	
Trichloroethene	ND	0.10	"	"	"	"	"	"	
Toluene	ND	1.0	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	0.50	"	"	"	"	"	"	
Tetrachloroethene	ND	0.10	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	0.50	"	"	"	"	"	"	
m,p-Xylene	ND	0.50	"	"	"	"	"	"	
o-Xylene	ND	0.50	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	0.50	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*108 %*		*75-125*	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*99.9 %*		*75-125*	"	"	"	"	
Surrogate: Toluene-d8		*109 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*106 %*		*75-125*	"	"	"	"	

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Hazard Management Consulting, Inc.	Project: HMC012913-L6	
211 W. Avenida Cordoba, #200	Project Number: 761 TERMINAL ST	Reported:
San Clemente, CA 92672	Project Manager: Mr. Mark S. Cousineau	06-Feb-13 10:44

Volatile Organic Compounds by 8260SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SG-3-5', P1626cc (E301101-03) Vapor Sampled: 29-Jan-13 Received: 29-Jan-13									
1,1-Difluoroethane (LCC)	ND	0.50	ug/l	0.05	EA32902	29-Jan-13	29-Jan-13	H&P 8260 SV	
Dichlorodifluoromethane (F12)	ND	0.50	"	"	"	"	"	"	
Vinyl chloride	ND	0.05	"	"	"	"	"	"	
Chloroethane	ND	0.50	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	0.50	"	"	"	"	"	"	
1,1-Dichloroethene	ND	0.50	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	0.50	"	"	"	"	"	"	
1,1,2 Trichlorotrifluoroethane (F113)	ND	0.50	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	0.50	"	"	"	"	"	"	
1,1-Dichloroethane	ND	0.50	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	0.50	"	"	"	"	"	"	
Chloroform	ND	0.10	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	0.50	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.10	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	0.10	"	"	"	"	"	"	
Benzene	ND	0.10	"	"	"	"	"	"	
Trichloroethene	ND	0.10	"	"	"	"	"	"	
Toluene	ND	1.0	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	0.50	"	"	"	"	"	"	
Tetrachloroethene	ND	0.10	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	0.50	"	"	"	"	"	"	
m,p-Xylene	ND	0.50	"	"	"	"	"	"	
o-Xylene	ND	0.50	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	0.50	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*99.2 %*		*75-125*	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*102 %*		*75-125*	"	"	"	"	
Surrogate: Toluene-d8		*109 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*105 %*		*75-125*	"	"	"	"	

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Hazard Management Consulting, Inc.	Project: HMC012913-L6	
211 W. Avenida Cordoba, #200	Project Number: 761 TERMINAL ST	Reported:
San Clemente, CA 92672	Project Manager: Mr. Mark S. Cousineau	06-Feb-13 10:44

Volatile Organic Compounds by 8260SV

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Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SG-4-5', P1626cc (E301101-04) Vapor Sampled: 29-Jan-13 Received: 29-Jan-13									
1,1-Difluoroethane (LCC)	ND	0.50	ug/l	0.05	EA32902	29-Jan-13	29-Jan-13	H&P 8260 SV	
Dichlorodifluoromethane (F12)	ND	0.50	"	"	"	"	"	"	
Vinyl chloride	ND	0.05	"	"	"	"	"	"	
Chloroethane	ND	0.50	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	0.50	"	"	"	"	"	"	
1,1-Dichloroethene	ND	0.50	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	0.50	"	"	"	"	"	"	
1,1,2 Trichlorotrifluoroethane (F113)	ND	0.50	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	0.50	"	"	"	"	"	"	
1,1-Dichloroethane	ND	0.50	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	0.50	"	"	"	"	"	"	
Chloroform	ND	0.10	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	0.50	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.10	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	0.10	"	"	"	"	"	"	
Benzene	**0.20**	0.10	"	"	"	"	"	"	
Trichloroethene	ND	0.10	"	"	"	"	"	"	
Toluene	ND	1.0	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	0.50	"	"	"	"	"	"	
Tetrachloroethene	ND	0.10	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	0.50	"	"	"	"	"	"	
m,p-Xylene	ND	0.50	"	"	"	"	"	"	
o-Xylene	ND	0.50	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	0.50	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*99.9 %*		*75-125*	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*101 %*		*75-125*	"	"	"	"	
Surrogate: Toluene-d8		*105 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*108 %*		*75-125*	"	"	"	"	

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Hazard Management Consulting, Inc.	Project: HMC012913-L6	
211 W. Avenida Cordoba, #200	Project Number: 761 TERMINAL ST	Reported:
San Clemente, CA 92672	Project Manager: Mr. Mark S. Cousineau	06-Feb-13 10:44

Volatile Organic Compounds by 8260SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SG-5-5', P1626cc (E301101-05) Vapor Sampled: 29-Jan-13 Received: 29-Jan-13									
1,1-Difluoroethane (LCC)	ND	0.50	ug/l	0.05	EA32902	29-Jan-13	29-Jan-13	H&P 8260 SV	
Dichlorodifluoromethane (F12)	ND	0.50	"	"	"	"	"	"	
Vinyl chloride	ND	0.05	"	"	"	"	"	"	
Chloroethane	ND	0.50	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	0.50	"	"	"	"	"	"	
1,1-Dichloroethene	ND	0.50	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	0.50	"	"	"	"	"	"	
1,1,2 Trichlorotrifluoroethane (F113)	ND	0.50	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	0.50	"	"	"	"	"	"	
1,1-Dichloroethane	ND	0.50	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	0.50	"	"	"	"	"	"	
Chloroform	ND	0.10	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	0.50	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.10	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	0.10	"	"	"	"	"	"	
Benzene	ND	0.10	"	"	"	"	"	"	
Trichloroethene	ND	0.10	"	"	"	"	"	"	
Toluene	ND	1.0	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	0.50	"	"	"	"	"	"	
Tetrachloroethene	ND	0.10	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	0.50	"	"	"	"	"	"	
m,p-Xylene	ND	0.50	"	"	"	"	"	"	
o-Xylene	ND	0.50	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	0.50	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*106 %*		*75-125*	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*106 %*		*75-125*	"	"	"	"	
Surrogate: Toluene-d8		*107 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*106 %*		*75-125*	"	"	"	"	

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Hazard Management Consulting, Inc.	Project: HMC012913-L6	
211 W. Avenida Cordoba, #200	Project Number: 761 TERMINAL ST	Reported:
San Clemente, CA 92672	Project Manager: Mr. Mark S. Cousineau	06-Feb-13 10:44

Volatile Organic Compounds by 8260SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SG-6-5', P1626cc (E301101-06) Vapor Sampled: 29-Jan-13 Received: 29-Jan-13									
1,1-Difluoroethane (LCC)	ND	0.50	ug/l	0.05	EA32902	29-Jan-13	29-Jan-13	H&P 8260 SV	
Dichlorodifluoromethane (F12)	ND	0.50	"	"	"	"	"	"	
Vinyl chloride	ND	0.05	"	"	"	"	"	"	
Chloroethane	ND	0.50	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	0.50	"	"	"	"	"	"	
1,1-Dichloroethene	ND	0.50	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	0.50	"	"	"	"	"	"	
1,1,2 Trichlorotrifluoroethane (F113)	ND	0.50	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	0.50	"	"	"	"	"	"	
1,1-Dichloroethane	ND	0.50	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	0.50	"	"	"	"	"	"	
Chloroform	ND	0.10	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	0.50	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.10	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	0.10	"	"	"	"	"	"	
Benzene	ND	0.10	"	"	"	"	"	"	
Trichloroethene	ND	0.10	"	"	"	"	"	"	
Toluene	ND	1.0	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	0.50	"	"	"	"	"	"	
Tetrachloroethene	ND	0.10	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	0.50	"	"	"	"	"	"	
m,p-Xylene	ND	0.50	"	"	"	"	"	"	
o-Xylene	ND	0.50	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	0.50	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*104 %*		*75-125*	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*104 %*		*75-125*	"	"	"	"	
Surrogate: Toluene-d8		*112 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*102 %*		*75-125*	"	"	"	"	

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Hazard Management Consulting, Inc.	Project: HMC012913-L6	
211 W. Avenida Cordoba, #200	Project Number: 761 TERMINAL ST	Reported:
San Clemente, CA 92672	Project Manager: Mr. Mark S. Cousineau	06-Feb-13 10:44

Volatile Organic Compounds by 8260SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SG-7-5', P1626cc (E301101-07) Vapor Sampled: 29-Jan-13 Received: 29-Jan-13									
1,1-Difluoroethane (LCC)	ND	0.50	ug/l	0.05	EA32902	29-Jan-13	29-Jan-13	H&P 8260 SV	
Dichlorodifluoromethane (F12)	ND	0.50	"	"	"	"	"	"	
Vinyl chloride	ND	0.05	"	"	"	"	"	"	
Chloroethane	ND	0.50	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	0.50	"	"	"	"	"	"	
1,1-Dichloroethene	ND	0.50	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	0.50	"	"	"	"	"	"	
1,1,2 Trichlorotrifluoroethane (F113)	ND	0.50	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	0.50	"	"	"	"	"	"	
1,1-Dichloroethane	ND	0.50	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	0.50	"	"	"	"	"	"	
Chloroform	ND	0.10	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	0.50	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.10	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	0.10	"	"	"	"	"	"	
Benzene	ND	0.10	"	"	"	"	"	"	
Trichloroethene	ND	0.10	"	"	"	"	"	"	
Toluene	ND	1.0	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	0.50	"	"	"	"	"	"	
Tetrachloroethene	ND	0.10	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	0.50	"	"	"	"	"	"	
m,p-Xylene	ND	0.50	"	"	"	"	"	"	
o-Xylene	ND	0.50	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	0.50	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*103 %*		*75-125*	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*102 %*		*75-125*	"	"	"	"	
Surrogate: Toluene-d8		*109 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*117 %*		*75-125*	"	"	"	"	

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Hazard Management Consulting, Inc.	Project: HMC012913-L6	
211 W. Avenida Cordoba, #200	Project Number: 761 TERMINAL ST	Reported:
San Clemente, CA 92672	Project Manager: Mr. Mark S. Cousineau	06-Feb-13 10:44

Volatile Organic Compounds by 8260SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SG-8-5', P1626cc (E301101-08) Vapor Sampled: 29-Jan-13 Received: 29-Jan-13									
1,1-Difluoroethane (LCC)	ND	0.50	ug/l	0.05	EA32902	29-Jan-13	29-Jan-13	H&P 8260 SV	
Dichlorodifluoromethane (F12)	ND	0.50	"	"	"	"	"	"	
Vinyl chloride	ND	0.05	"	"	"	"	"	"	
Chloroethane	ND	0.50	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	0.50	"	"	"	"	"	"	
1,1-Dichloroethene	ND	0.50	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	0.50	"	"	"	"	"	"	
1,1,2 Trichlorotrifluoroethane (F113)	ND	0.50	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	0.50	"	"	"	"	"	"	
1,1-Dichloroethane	ND	0.50	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	0.50	"	"	"	"	"	"	
Chloroform	ND	0.10	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	0.50	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.10	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	0.10	"	"	"	"	"	"	
Benzene	ND	0.10	"	"	"	"	"	"	
Trichloroethene	ND	0.10	"	"	"	"	"	"	
Toluene	ND	1.0	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	0.50	"	"	"	"	"	"	
Tetrachloroethene	ND	0.10	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	0.50	"	"	"	"	"	"	
m,p-Xylene	ND	0.50	"	"	"	"	"	"	
o-Xylene	ND	0.50	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	0.50	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*98.0 %*		*75-125*	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*102 %*		*75-125*	"	"	"	"	
Surrogate: Toluene-d8		*109 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*100 %*		*75-125*	"	"	"	"	

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Hazard Management Consulting, Inc.	Project: HMC012913-L6	
211 W. Avenida Cordoba, #200	Project Number: 761 TERMINAL ST	Reported:
San Clemente, CA 92672	Project Manager: Mr. Mark S. Cousineau	06-Feb-13 10:44

Volatile Organic Compounds by 8260SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SG-9-5', P1626cc (E301101-09) Vapor Sampled: 29-Jan-13 Received: 29-Jan-13									
1,1-Difluoroethane (LCC)	ND	0.50	ug/l	0.05	EA32902	29-Jan-13	29-Jan-13	H&P 8260 SV	
Dichlorodifluoromethane (F12)	ND	0.50	"	"	"	"	"	"	
Vinyl chloride	ND	0.05	"	"	"	"	"	"	
Chloroethane	ND	0.50	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	0.50	"	"	"	"	"	"	
1,1-Dichloroethene	ND	0.50	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	0.50	"	"	"	"	"	"	
1,1,2 Trichlorotrifluoroethane (F113)	ND	0.50	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	0.50	"	"	"	"	"	"	
1,1-Dichloroethane	ND	0.50	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	0.50	"	"	"	"	"	"	
Chloroform	ND	0.10	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	0.50	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.10	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	0.10	"	"	"	"	"	"	
Benzene	**0.20**	0.10	"	"	"	"	"	"	
Trichloroethene	ND	0.10	"	"	"	"	"	"	
Toluene	ND	1.0	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	0.50	"	"	"	"	"	"	
Tetrachloroethene	ND	0.10	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	0.50	"	"	"	"	"	"	
m,p-Xylene	**0.84**	0.50	"	"	"	"	"	"	
o-Xylene	ND	0.50	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	0.50	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*106 %*		*75-125*	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*104 %*		*75-125*	"	"	"	"	
Surrogate: Toluene-d8		*111 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*102 %*		*75-125*	"	"	"	"	

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Hazard Management Consulting, Inc.	Project: HMC012913-L6	
211 W. Avenida Cordoba, #200	Project Number: 761 TERMINAL ST	Reported:
San Clemente, CA 92672	Project Manager: Mr. Mark S. Cousineau	06-Feb-13 10:44

Volatile Organic Compounds by 8260SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SG-10-5', P1626cc (E301101-10) Vapor Sampled: 29-Jan-13 Received: 29-Jan-13									
1,1-Difluoroethane (LCC)	ND	0.50	ug/l	0.05	EA32902	29-Jan-13	29-Jan-13	H&P 8260 SV	
Dichlorodifluoromethane (F12)	ND	0.50	"	"	"	"	"	"	
Vinyl chloride	ND	0.05	"	"	"	"	"	"	
Chloroethane	ND	0.50	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	0.50	"	"	"	"	"	"	
1,1-Dichloroethene	ND	0.50	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	0.50	"	"	"	"	"	"	
1,1,2 Trichlorotrifluoroethane (F113)	ND	0.50	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	0.50	"	"	"	"	"	"	
1,1-Dichloroethane	ND	0.50	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	0.50	"	"	"	"	"	"	
Chloroform	ND	0.10	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	0.50	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.10	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	0.10	"	"	"	"	"	"	
Benzene	ND	0.10	"	"	"	"	"	"	
Trichloroethene	ND	0.10	"	"	"	"	"	"	
Toluene	ND	1.0	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	0.50	"	"	"	"	"	"	
Tetrachloroethene	ND	0.10	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	0.50	"	"	"	"	"	"	
m,p-Xylene	ND	0.50	"	"	"	"	"	"	
o-Xylene	ND	0.50	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	0.50	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*104 %*		*75-125*	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*103 %*		*75-125*	"	"	"	"	
Surrogate: Toluene-d8		*105 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*105 %*		*75-125*	"	"	"	"	

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Hazard Management Consulting, Inc.	Project: HMC012913-L6	
211 W. Avenida Cordoba, #200	Project Number: 761 TERMINAL ST	Reported:
San Clemente, CA 92672	Project Manager: Mr. Mark S. Cousineau	06-Feb-13 10:44

Volatile Organic Compounds by 8260SV

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Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SG-11-5', P1626cc (E301101-11) Vapor Sampled: 29-Jan-13 Received: 29-Jan-13									
1,1-Difluoroethane (LCC)	ND	0.50	ug/l	0.05	EA32902	29-Jan-13	29-Jan-13	H&P 8260 SV	
Dichlorodifluoromethane (F12)	ND	0.50	"	"	"	"	"	"	
Vinyl chloride	ND	0.05	"	"	"	"	"	"	
Chloroethane	ND	0.50	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	0.50	"	"	"	"	"	"	
1,1-Dichloroethene	ND	0.50	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	0.50	"	"	"	"	"	"	
1,1,2 Trichlorotrifluoroethane (F113)	ND	0.50	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	0.50	"	"	"	"	"	"	
1,1-Dichloroethane	ND	0.50	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	0.50	"	"	"	"	"	"	
Chloroform	ND	0.10	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	0.50	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.10	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	0.10	"	"	"	"	"	"	
Benzene	ND	0.10	"	"	"	"	"	"	
Trichloroethene	ND	0.10	"	"	"	"	"	"	
Toluene	ND	1.0	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	0.50	"	"	"	"	"	"	
Tetrachloroethene	ND	0.10	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	0.50	"	"	"	"	"	"	
m,p-Xylene	ND	0.50	"	"	"	"	"	"	
o-Xylene	ND	0.50	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	0.50	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*108 %*		*75-125*	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*103 %*		*75-125*	"	"	"	"	
Surrogate: Toluene-d8		*111 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*110 %*		*75-125*	"	"	"	"	

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Hazard Management Consulting, Inc.	Project: HMC012913-L6	
211 W. Avenida Cordoba, #200	Project Number: 761 TERMINAL ST	Reported:
San Clemente, CA 92672	Project Manager: Mr. Mark S. Cousineau	06-Feb-13 10:44

Volatile Organic Compounds by 8260SV

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Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SG-12-5', P1626cc (E301101-12) Vapor Sampled: 29-Jan-13 Received: 29-Jan-13									
1,1-Difluoroethane (LCC)	ND	0.50	ug/l	0.05	EA32902	29-Jan-13	29-Jan-13	H&P 8260 SV	
Dichlorodifluoromethane (F12)	ND	0.50	"	"	"	"	"	"	
Vinyl chloride	ND	0.05	"	"	"	"	"	"	
Chloroethane	ND	0.50	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	0.50	"	"	"	"	"	"	
1,1-Dichloroethene	ND	0.50	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	0.50	"	"	"	"	"	"	
1,1,2 Trichlorotrifluoroethane (F113)	ND	0.50	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	0.50	"	"	"	"	"	"	
1,1-Dichloroethane	ND	0.50	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	0.50	"	"	"	"	"	"	
Chloroform	ND	0.10	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	0.50	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.10	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	0.10	"	"	"	"	"	"	
Benzene	**0.10**	0.10	"	"	"	"	"	"	
Trichloroethene	ND	0.10	"	"	"	"	"	"	
Toluene	ND	1.0	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	0.50	"	"	"	"	"	"	
Tetrachloroethene	ND	0.10	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	0.50	"	"	"	"	"	"	
m,p-Xylene	ND	0.50	"	"	"	"	"	"	
o-Xylene	ND	0.50	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	0.50	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*108 %*	*75-125*		"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*98.8 %*	*75-125*		"	"	"	"	
Surrogate: Toluene-d8		*107 %*	*75-125*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*99.0 %*	*75-125*		"	"	"	"	

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Hazard Management Consulting, Inc.	Project: HMC012913-L6	
211 W. Avenida Cordoba, #200	Project Number: 761 TERMINAL ST	Reported:
San Clemente, CA 92672	Project Manager: Mr. Mark S. Cousineau	06-Feb-13 10:44

Volatile Organic Compounds by 8260SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SG-13-5', P1626cc (E301101-13) Vapor Sampled: 29-Jan-13 Received: 29-Jan-13									
1,1-Difluoroethane (LCC)	ND	0.50	ug/l	0.05	EA32902	29-Jan-13	29-Jan-13	H&P 8260 SV	
Dichlorodifluoromethane (F12)	ND	0.50	"	"	"	"	"	"	
Vinyl chloride	ND	0.05	"	"	"	"	"	"	
Chloroethane	ND	0.50	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	0.50	"	"	"	"	"	"	
1,1-Dichloroethene	ND	0.50	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	0.50	"	"	"	"	"	"	
1,1,2 Trichlorotrifluoroethane (F113)	ND	0.50	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	0.50	"	"	"	"	"	"	
1,1-Dichloroethane	ND	0.50	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	0.50	"	"	"	"	"	"	
Chloroform	ND	0.10	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	0.50	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.10	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	0.10	"	"	"	"	"	"	
Benzene	ND	0.10	"	"	"	"	"	"	
Trichloroethene	ND	0.10	"	"	"	"	"	"	
Toluene	ND	1.0	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	0.50	"	"	"	"	"	"	
Tetrachloroethene	ND	0.10	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	0.50	"	"	"	"	"	"	
m,p-Xylene	ND	0.50	"	"	"	"	"	"	
o-Xylene	ND	0.50	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	0.50	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*103 %*		*75-125*	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*103 %*		*75-125*	"	"	"	"	
Surrogate: Toluene-d8		*109 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*104 %*		*75-125*	"	"	"	"	

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Hazard Management Consulting, Inc.	Project: HMC012913-L6	
211 W. Avenida Cordoba, #200	Project Number: 761 TERMINAL ST	Reported:
San Clemente, CA 92672	Project Manager: Mr. Mark S. Cousineau	06-Feb-13 10:44

Volatile Organic Compounds by 8260SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SG-14-5', P1626cc (E301101-14) Vapor Sampled: 29-Jan-13 Received: 29-Jan-13									
1,1-Difluoroethane (LCC)	ND	0.50	ug/l	0.05	EA32902	29-Jan-13	29-Jan-13	H&P 8260 SV	
Dichlorodifluoromethane (F12)	ND	0.50	"	"	"	"	"	"	
Vinyl chloride	ND	0.05	"	"	"	"	"	"	
Chloroethane	ND	0.50	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	0.50	"	"	"	"	"	"	
1,1-Dichloroethene	ND	0.50	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	0.50	"	"	"	"	"	"	
1,1,2 Trichlorotrifluoroethane (F113)	ND	0.50	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	0.50	"	"	"	"	"	"	
1,1-Dichloroethane	ND	0.50	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	0.50	"	"	"	"	"	"	
Chloroform	ND	0.10	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	0.50	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.10	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	0.10	"	"	"	"	"	"	
Benzene	ND	0.10	"	"	"	"	"	"	
Trichloroethene	ND	0.10	"	"	"	"	"	"	
Toluene	ND	1.0	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	0.50	"	"	"	"	"	"	
Tetrachloroethene	ND	0.10	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	0.50	"	"	"	"	"	"	
m,p-Xylene	ND	0.50	"	"	"	"	"	"	
o-Xylene	ND	0.50	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	0.50	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*102 %*		*75-125*	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*101 %*		*75-125*	"	"	"	"	
Surrogate: Toluene-d8		*106 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*108 %*		*75-125*	"	"	"	"	

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Hazard Management Consulting, Inc.	Project: HMC012913-L6	
211 W. Avenida Cordoba, #200	Project Number: 761 TERMINAL ST	Reported:
San Clemente, CA 92672	Project Manager: Mr. Mark S. Cousineau	06-Feb-13 10:44

Volatile Organic Compounds by 8260SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SG-13-5' Rep, P1676cc (E301101-15) Vapor	**Sampled: 29-Jan-13**	**Received: 29-Jan-13**							
1,1-Difluoroethane (LCC)	ND	0.50	ug/l	0.05	EA32902	29-Jan-13	29-Jan-13	H&P 8260 SV	
Dichlorodifluoromethane (F12)	ND	0.50	"	"	"	"	"	"	
Vinyl chloride	ND	0.05	"	"	"	"	"	"	
Chloroethane	ND	0.50	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	0.50	"	"	"	"	"	"	
1,1-Dichloroethene	ND	0.50	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	0.50	"	"	"	"	"	"	
1,1,2 Trichlorotrifluoroethane (F113)	ND	0.50	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	0.50	"	"	"	"	"	"	
1,1-Dichloroethane	ND	0.50	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	0.50	"	"	"	"	"	"	
Chloroform	ND	0.10	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	0.50	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.10	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	0.10	"	"	"	"	"	"	
Benzene	ND	0.10	"	"	"	"	"	"	
Trichloroethene	ND	0.10	"	"	"	"	"	"	
Toluene	ND	1.0	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	0.50	"	"	"	"	"	"	
Tetrachloroethene	ND	0.10	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	0.50	"	"	"	"	"	"	
m,p-Xylene	ND	0.50	"	"	"	"	"	"	
o-Xylene	ND	0.50	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	0.50	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*101 %*	*75-125*		"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*98.0 %*	*75-125*		"	"	"	"	
Surrogate: Toluene-d8		*110 %*	*75-125*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*102 %*	*75-125*		"	"	"	"	

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Hazard Management Consulting, Inc.	Project: HMC012913-L6	
211 W. Avenida Cordoba, #200	Project Number: 761 TERMINAL ST	Reported:
San Clemente, CA 92672	Project Manager: Mr. Mark S. Cousineau	06-Feb-13 10:44

Volatile Organic Compounds by 8260SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SG-15-5', P1626cc (E301107-01) Vapor Sampled: 30-Jan-13 Received: 30-Jan-13									
1,1-Difluoroethane (LCC)	ND	0.50	ug/l	0.05	EA33003	30-Jan-13	30-Jan-13	H&P 8260 SV	
Dichlorodifluoromethane (F12)	ND	0.50	"	"	"	"	"	"	
Vinyl chloride	ND	0.05	"	"	"	"	"	"	
Chloroethane	ND	0.50	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	0.50	"	"	"	"	"	"	
1,1-Dichloroethene	ND	0.50	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	0.50	"	"	"	"	"	"	
1,1,2 Trichlorotrifluoroethane (F113)	ND	0.50	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	0.50	"	"	"	"	"	"	
1,1-Dichloroethane	ND	0.50	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	0.50	"	"	"	"	"	"	
Chloroform	ND	0.10	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	0.50	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.10	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	0.10	"	"	"	"	"	"	
Benzene	ND	0.10	"	"	"	"	"	"	
Trichloroethene	ND	0.10	"	"	"	"	"	"	
Toluene	ND	1.0	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	0.50	"	"	"	"	"	"	
Tetrachloroethene	ND	0.10	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	0.50	"	"	"	"	"	"	
m,p-Xylene	ND	0.50	"	"	"	"	"	"	
o-Xylene	ND	0.50	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	0.50	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*100 %*		*75-125*		"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*97.9 %*		*75-125*		"	"	"	
Surrogate: Toluene-d8		*103 %*		*75-125*		"	"	"	
Surrogate: 4-Bromofluorobenzene		*111 %*		*75-125*		"	"	"	

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Hazard Management Consulting, Inc.	Project: HMC012913-L6	
211 W. Avenida Cordoba, #200	Project Number: 761 TERMINAL ST	Reported:
San Clemente, CA 92672	Project Manager: Mr. Mark S. Cousineau	06-Feb-13 10:44

Volatile Organic Compounds by 8260SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SG-15-5' Rep, P1676cc (E301107-02) Vapor	**Sampled: 30-Jan-13**	**Received: 30-Jan-13**							
1,1-Difluoroethane (LCC)	ND	0.50	ug/l	0.05	EA33003	30-Jan-13	30-Jan-13	H&P 8260 SV	
Dichlorodifluoromethane (F12)	ND	0.50	"	"	"	"	"	"	
Vinyl chloride	ND	0.05	"	"	"	"	"	"	
Chloroethane	ND	0.50	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	0.50	"	"	"	"	"	"	
1,1-Dichloroethene	ND	0.50	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	0.50	"	"	"	"	"	"	
1,1,2 Trichlorotrifluoroethane (F113)	ND	0.50	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	0.50	"	"	"	"	"	"	
1,1-Dichloroethane	ND	0.50	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	0.50	"	"	"	"	"	"	
Chloroform	ND	0.10	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	0.50	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.10	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	0.10	"	"	"	"	"	"	
Benzene	ND	0.10	"	"	"	"	"	"	
Trichloroethene	ND	0.10	"	"	"	"	"	"	
Toluene	ND	1.0	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	0.50	"	"	"	"	"	"	
Tetrachloroethene	ND	0.10	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	0.50	"	"	"	"	"	"	
m,p-Xylene	ND	0.50	"	"	"	"	"	"	
o-Xylene	ND	0.50	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	0.50	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*102 %*	*75-125*		"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*93.6 %*	*75-125*		"	"	"	"	
Surrogate: Toluene-d8		*110 %*	*75-125*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*99.9 %*	*75-125*		"	"	"	"	

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Hazard Management Consulting, Inc.	Project: HMC012913-L6	
211 W. Avenida Cordoba, #200	Project Number: 761 TERMINAL ST	Reported:
San Clemente, CA 92672	Project Manager: Mr. Mark S. Cousineau	06-Feb-13 10:44

Volatile Organic Compounds by 8260SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SG-16-5', P1626cc (E301107-03) Vapor Sampled: 30-Jan-13 Received: 30-Jan-13									
1,1-Difluoroethane (LCC)	ND	0.50	ug/l	0.05	EA33003	30-Jan-13	30-Jan-13	H&P 8260 SV	
Dichlorodifluoromethane (F12)	ND	0.50	"	"	"	"	"	"	
Vinyl chloride	ND	0.05	"	"	"	"	"	"	
Chloroethane	ND	0.50	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	0.50	"	"	"	"	"	"	
1,1-Dichloroethene	ND	0.50	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	0.50	"	"	"	"	"	"	
1,1,2 Trichlorotrifluoroethane (F113)	ND	0.50	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	0.50	"	"	"	"	"	"	
1,1-Dichloroethane	ND	0.50	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	0.50	"	"	"	"	"	"	
Chloroform	ND	0.10	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	0.50	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.10	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	0.10	"	"	"	"	"	"	
Benzene	ND	0.10	"	"	"	"	"	"	
Trichloroethene	ND	0.10	"	"	"	"	"	"	
Toluene	ND	1.0	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	0.50	"	"	"	"	"	"	
Tetrachloroethene	ND	0.10	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	0.50	"	"	"	"	"	"	
m,p-Xylene	ND	0.50	"	"	"	"	"	"	
o-Xylene	ND	0.50	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	0.50	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*106 %*		*75-125*	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*102 %*		*75-125*	"	"	"	"	
Surrogate: Toluene-d8		*110 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*104 %*		*75-125*	"	"	"	"	

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Hazard Management Consulting, Inc.	Project: HMC012913-L6	
211 W. Avenida Cordoba, #200	Project Number: 761 TERMINAL ST	Reported:
San Clemente, CA 92672	Project Manager: Mr. Mark S. Cousineau	06-Feb-13 10:44

Volatile Organic Compounds by 8260SV

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Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SG-17-5', P1626cc (E301107-04) Vapor Sampled: 30-Jan-13 Received: 30-Jan-13									
1,1-Difluoroethane (LCC)	ND	0.50	ug/l	0.05	EA33003	30-Jan-13	30-Jan-13	H&P 8260 SV	
Dichlorodifluoromethane (F12)	ND	0.50	"	"	"	"	"	"	
Vinyl chloride	ND	0.05	"	"	"	"	"	"	
Chloroethane	ND	0.50	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	0.50	"	"	"	"	"	"	
1,1-Dichloroethene	ND	0.50	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	0.50	"	"	"	"	"	"	
1,1,2 Trichlorotrifluoroethane (F113)	ND	0.50	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	0.50	"	"	"	"	"	"	
1,1-Dichloroethane	ND	0.50	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	0.50	"	"	"	"	"	"	
Chloroform	ND	0.10	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	0.50	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.10	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	0.10	"	"	"	"	"	"	
Benzene	ND	0.10	"	"	"	"	"	"	
Trichloroethene	ND	0.10	"	"	"	"	"	"	
Toluene	ND	1.0	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	0.50	"	"	"	"	"	"	
Tetrachloroethene	ND	0.10	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	0.50	"	"	"	"	"	"	
m,p-Xylene	ND	0.50	"	"	"	"	"	"	
o-Xylene	ND	0.50	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	0.50	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*109 %*		*75-125*	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*102 %*		*75-125*	"	"	"	"	
Surrogate: Toluene-d8		*109 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*112 %*		*75-125*	"	"	"	"	

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Hazard Management Consulting, Inc.	Project: HMC012913-L6	
211 W. Avenida Cordoba, #200	Project Number: 761 TERMINAL ST	Reported:
San Clemente, CA 92672	Project Manager: Mr. Mark S. Cousineau	06-Feb-13 10:44

Volatile Organic Compounds by 8260SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SG-18-5', P1626cc (E301107-05) Vapor Sampled: 30-Jan-13 Received: 30-Jan-13									
1,1-Difluoroethane (LCC)	ND	0.50	ug/l	0.05	EA33003	30-Jan-13	30-Jan-13	H&P 8260 SV	
Dichlorodifluoromethane (F12)	ND	0.50	"	"	"	"	"	"	
Vinyl chloride	ND	0.05	"	"	"	"	"	"	
Chloroethane	ND	0.50	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	0.50	"	"	"	"	"	"	
1,1-Dichloroethene	ND	0.50	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	0.50	"	"	"	"	"	"	
1,1,2 Trichlorotrifluoroethane (F113)	ND	0.50	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	0.50	"	"	"	"	"	"	
1,1-Dichloroethane	ND	0.50	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	0.50	"	"	"	"	"	"	
Chloroform	ND	0.10	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	0.50	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.10	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	0.10	"	"	"	"	"	"	
Benzene	ND	0.10	"	"	"	"	"	"	
Trichloroethene	ND	0.10	"	"	"	"	"	"	
Toluene	ND	1.0	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	0.50	"	"	"	"	"	"	
Tetrachloroethene	ND	0.10	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	0.50	"	"	"	"	"	"	
m,p-Xylene	**0.70**	0.50	"	"	"	"	"	"	
o-Xylene	ND	0.50	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	0.50	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*101 %*		*75-125*	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*96.9 %*		*75-125*	"	"	"	"	
Surrogate: Toluene-d8		*110 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*97.2 %*		*75-125*	"	"	"	"	

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Hazard Management Consulting, Inc.	Project: HMC012913-L6	
211 W. Avenida Cordoba, #200	Project Number: 761 TERMINAL ST	Reported:
San Clemente, CA 92672	Project Manager: Mr. Mark S. Cousineau	06-Feb-13 10:44

Volatile Organic Compounds by 8260SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SG-19-5', P1626cc (E301107-06) Vapor Sampled: 30-Jan-13 Received: 30-Jan-13									
1,1-Difluoroethane (LCC)	ND	0.50	ug/l	0.05	EA33003	30-Jan-13	30-Jan-13	H&P 8260 SV	
Dichlorodifluoromethane (F12)	ND	0.50	"	"	"	"	"	"	
Vinyl chloride	ND	0.05	"	"	"	"	"	"	
Chloroethane	ND	0.50	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	0.50	"	"	"	"	"	"	
1,1-Dichloroethene	ND	0.50	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	0.50	"	"	"	"	"	"	
1,1,2 Trichlorotrifluoroethane (F113)	ND	0.50	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	0.50	"	"	"	"	"	"	
1,1-Dichloroethane	ND	0.50	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	0.50	"	"	"	"	"	"	
Chloroform	ND	0.10	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	0.50	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.10	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	0.10	"	"	"	"	"	"	
Benzene	ND	0.10	"	"	"	"	"	"	
Trichloroethene	ND	0.10	"	"	"	"	"	"	
Toluene	ND	1.0	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	0.50	"	"	"	"	"	"	
Tetrachloroethene	ND	0.10	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	0.50	"	"	"	"	"	"	
m,p-Xylene	ND	0.50	"	"	"	"	"	"	
o-Xylene	ND	0.50	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	0.50	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*99.7 %*		*75-125*	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*102 %*		*75-125*	"	"	"	"	
Surrogate: Toluene-d8		*105 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*102 %*		*75-125*	"	"	"	"	

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Hazard Management Consulting, Inc.	Project: HMC012913-L6	
211 W. Avenida Cordoba, #200	Project Number: 761 TERMINAL ST	Reported:
San Clemente, CA 92672	Project Manager: Mr. Mark S. Cousineau	06-Feb-13 10:44

Volatile Organic Compounds by 8260SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SG-20-5', P1626cc (E301107-07) Vapor Sampled: 30-Jan-13 Received: 30-Jan-13									
1,1-Difluoroethane (LCC)	ND	0.50	ug/l	0.05	EA33003	30-Jan-13	30-Jan-13	H&P 8260 SV	
Dichlorodifluoromethane (F12)	ND	0.50	"	"	"	"	"	"	
Vinyl chloride	ND	0.05	"	"	"	"	"	"	
Chloroethane	ND	0.50	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	0.50	"	"	"	"	"	"	
1,1-Dichloroethene	ND	0.50	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	0.50	"	"	"	"	"	"	
1,1,2 Trichlorotrifluoroethane (F113)	ND	0.50	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	0.50	"	"	"	"	"	"	
1,1-Dichloroethane	ND	0.50	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	0.50	"	"	"	"	"	"	
Chloroform	ND	0.10	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	0.50	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.10	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	0.10	"	"	"	"	"	"	
Benzene	ND	0.10	"	"	"	"	"	"	
Trichloroethene	ND	0.10	"	"	"	"	"	"	
Toluene	ND	1.0	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	0.50	"	"	"	"	"	"	
Tetrachloroethene	ND	0.10	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	0.50	"	"	"	"	"	"	
m,p-Xylene	ND	0.50	"	"	"	"	"	"	
o-Xylene	ND	0.50	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	0.50	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*106 %*		*75-125*	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*97.0 %*		*75-125*	"	"	"	"	
Surrogate: Toluene-d8		*106 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*98.4 %*		*75-125*	"	"	"	"	

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Hazard Management Consulting, Inc.	Project: HMC012913-L6	
211 W. Avenida Cordoba, #200	Project Number: 761 TERMINAL ST	Reported:
San Clemente, CA 92672	Project Manager: Mr. Mark S. Cousineau	06-Feb-13 10:44

Volatile Organic Compounds by 8260SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SG-21-5', P1626cc (E301107-08) Vapor Sampled: 30-Jan-13 Received: 30-Jan-13									
1,1-Difluoroethane (LCC)	ND	0.50	ug/l	0.05	EA33003	30-Jan-13	30-Jan-13	H&P 8260 SV	
Dichlorodifluoromethane (F12)	ND	0.50	"	"	"	"	"	"	
Vinyl chloride	ND	0.05	"	"	"	"	"	"	
Chloroethane	ND	0.50	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	0.50	"	"	"	"	"	"	
1,1-Dichloroethene	ND	0.50	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	0.50	"	"	"	"	"	"	
1,1,2 Trichlorotrifluoroethane (F113)	ND	0.50	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	0.50	"	"	"	"	"	"	
1,1-Dichloroethane	ND	0.50	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	0.50	"	"	"	"	"	"	
Chloroform	ND	0.10	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	0.50	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.10	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	0.10	"	"	"	"	"	"	
Benzene	**0.12**	0.10	"	"	"	"	"	"	
Trichloroethene	ND	0.10	"	"	"	"	"	"	
Toluene	ND	1.0	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	0.50	"	"	"	"	"	"	
Tetrachloroethene	ND	0.10	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	0.50	"	"	"	"	"	"	
m,p-Xylene	**0.91**	0.50	"	"	"	"	"	"	
o-Xylene	ND	0.50	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	0.50	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*103 %*		*75-125*	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*102 %*		*75-125*	"	"	"	"	
Surrogate: Toluene-d8		*108 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*107 %*		*75-125*	"	"	"	"	

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Hazard Management Consulting, Inc.	Project: HMC012913-L6	
211 W. Avenida Cordoba, #200	Project Number: 761 TERMINAL ST	Reported:
San Clemente, CA 92672	Project Manager: Mr. Mark S. Cousineau	06-Feb-13 10:44

Volatile Organic Compounds by 8260SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SG-22-5', P1626cc (E301107-09) Vapor Sampled: 30-Jan-13 Received: 30-Jan-13									
1,1-Difluoroethane (LCC)	ND	0.50	ug/l	0.05	EA33003	30-Jan-13	30-Jan-13	H&P 8260 SV	
Dichlorodifluoromethane (F12)	ND	0.50	"	"	"	"	"	"	
Vinyl chloride	ND	0.05	"	"	"	"	"	"	
Chloroethane	ND	0.50	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	0.50	"	"	"	"	"	"	
1,1-Dichloroethene	ND	0.50	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	0.50	"	"	"	"	"	"	
1,1,2 Trichlorotrifluoroethane (F113)	ND	0.50	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	0.50	"	"	"	"	"	"	
1,1-Dichloroethane	ND	0.50	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	0.50	"	"	"	"	"	"	
Chloroform	ND	0.10	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	0.50	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.10	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	0.10	"	"	"	"	"	"	
Benzene	ND	0.10	"	"	"	"	"	"	
Trichloroethene	ND	0.10	"	"	"	"	"	"	
Toluene	ND	1.0	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	0.50	"	"	"	"	"	"	
Tetrachloroethene	**1.3**	0.10	"	"	"	"	"	"	
Ethylbenzene	**1.1**	0.50	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	0.50	"	"	"	"	"	"	
m,p-Xylene	**4.6**	0.50	"	"	"	"	"	"	
o-Xylene	**1.4**	0.50	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	0.50	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*107 %*		*75-125*	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*101 %*		*75-125*	"	"	"	"	
Surrogate: Toluene-d8		*112 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*102 %*		*75-125*	"	"	"	"	

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Hazard Management Consulting, Inc.	Project: HMC012913-L6	
211 W. Avenida Cordoba, #200	Project Number: 761 TERMINAL ST	Reported:
San Clemente, CA 92672	Project Manager: Mr. Mark S. Cousineau	06-Feb-13 10:44

Volatile Organic Compounds by 8260SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SG-23-5', P1626cc (E301107-10) Vapor Sampled: 30-Jan-13 Received: 30-Jan-13									
1,1-Difluoroethane (LCC)	ND	0.50	ug/l	0.05	EA33003	30-Jan-13	30-Jan-13	H&P 8260 SV	
Dichlorodifluoromethane (F12)	ND	0.50	"	"	"	"	"	"	
Vinyl chloride	ND	0.05	"	"	"	"	"	"	
Chloroethane	ND	0.50	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	0.50	"	"	"	"	"	"	
1,1-Dichloroethene	ND	0.50	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	0.50	"	"	"	"	"	"	
1,1,2 Trichlorotrifluoroethane (F113)	ND	0.50	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	0.50	"	"	"	"	"	"	
1,1-Dichloroethane	ND	0.50	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	0.50	"	"	"	"	"	"	
Chloroform	ND	0.10	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	0.50	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.10	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	0.10	"	"	"	"	"	"	
Benzene	ND	0.10	"	"	"	"	"	"	
Trichloroethene	ND	0.10	"	"	"	"	"	"	
Toluene	ND	1.0	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	0.50	"	"	"	"	"	"	
Tetrachloroethene	**1.6**	0.10	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	0.50	"	"	"	"	"	"	
m,p-Xylene	**0.84**	0.50	"	"	"	"	"	"	
o-Xylene	ND	0.50	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	0.50	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*104 %*		*75-125*	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*101 %*		*75-125*	"	"	"	"	
Surrogate: Toluene-d8		*106 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*107 %*		*75-125*	"	"	"	"	

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Hazard Management Consulting, Inc.	Project: HMC012913-L6	
211 W. Avenida Cordoba, #200	Project Number: 761 TERMINAL ST	Reported:
San Clemente, CA 92672	Project Manager: Mr. Mark S. Cousineau	06-Feb-13 10:44

Volatile Organic Compounds by 8260SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SG-24-5', P1626cc (E301107-11) Vapor Sampled: 30-Jan-13 Received: 30-Jan-13									
1,1-Difluoroethane (LCC)	ND	0.50	ug/l	0.05	EA33003	30-Jan-13	30-Jan-13	H&P 8260 SV	
Dichlorodifluoromethane (F12)	ND	0.50	"	"	"	"	"	"	
Vinyl chloride	ND	0.05	"	"	"	"	"	"	
Chloroethane	ND	0.50	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	0.50	"	"	"	"	"	"	
1,1-Dichloroethene	ND	0.50	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	0.50	"	"	"	"	"	"	
1,1,2 Trichlorotrifluoroethane (F113)	ND	0.50	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	0.50	"	"	"	"	"	"	
1,1-Dichloroethane	ND	0.50	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	0.50	"	"	"	"	"	"	
Chloroform	ND	0.10	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	0.50	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.10	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	0.10	"	"	"	"	"	"	
Benzene	ND	0.10	"	"	"	"	"	"	
Trichloroethene	ND	0.10	"	"	"	"	"	"	
Toluene	ND	1.0	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	0.50	"	"	"	"	"	"	
Tetrachloroethene	**0.12**	0.10	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	0.50	"	"	"	"	"	"	
m,p-Xylene	ND	0.50	"	"	"	"	"	"	
o-Xylene	ND	0.50	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	0.50	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*102 %*		*75-125*	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*102 %*		*75-125*	"	"	"	"	
Surrogate: Toluene-d8		*107 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*97.2 %*		*75-125*	"	"	"	"	

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Hazard Management Consulting, Inc.	Project: HMC012913-L6	
211 W. Avenida Cordoba, #200	Project Number: 761 TERMINAL ST	Reported:
San Clemente, CA 92672	Project Manager: Mr. Mark S. Cousineau	06-Feb-13 10:44

Volatile Organic Compounds by 8260SV - Quality Control

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EA32902 - EPA 5030										
Blank (EA32902-BLK1)				Prepared & Analyzed: 29-Jan-13						
1,1-Difluoroethane (LCC)	ND	0.50	ug/l							
Dichlorodifluoromethane (F12)	ND	0.50	"							
Vinyl chloride	ND	0.05	"							
Chloroethane	ND	0.50	"							
Trichlorofluoromethane (F11)	ND	0.50	"							
1,1-Dichloroethene	ND	0.50	"							
Methylene chloride (Dichloromethane)	ND	0.50	"							
1,1,2 Trichlorotrifluoroethane (F113)	ND	0.50	"							
trans-1,2-Dichloroethene	ND	0.50	"							
1,1-Dichloroethane	ND	0.50	"							
cis-1,2-Dichloroethene	ND	0.50	"							
Chloroform	ND	0.10	"							
1,1,1-Trichloroethane	ND	0.50	"							
Carbon tetrachloride	ND	0.10	"							
1,2-Dichloroethane (EDC)	ND	0.10	"							
Benzene	ND	0.10	"							
Trichloroethene	ND	0.10	"							
Toluene	ND	1.0	"							
1,1,2-Trichloroethane	ND	0.50	"							
Tetrachloroethene	ND	0.10	"							
Ethylbenzene	ND	0.50	"							
1,1,1,2-Tetrachloroethane	ND	0.50	"							
m,p-Xylene	ND	0.50	"							
o-Xylene	ND	0.50	"							
1,1,2,2-Tetrachloroethane	ND	0.50	"							
Surrogate: Dibromofluoromethane	*2.68*		"	*2.50*		*107*	*75-125*			
Surrogate: 1,2-Dichloroethane-d4	*2.58*		"	*2.50*		*103*	*75-125*			
Surrogate: Toluene-d8	*2.63*		"	*2.50*		*105*	*75-125*			
Surrogate: 4-Bromofluorobenzene	*2.68*		"	*2.50*		*107*	*75-125*			

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Hazard Management Consulting, Inc.	Project: HMC012913-L6	
211 W. Avenida Cordoba, #200	Project Number: 761 TERMINAL ST	Reported:
San Clemente, CA 92672	Project Manager: Mr. Mark S. Cousineau	06-Feb-13 10:44

Volatile Organic Compounds by 8260SV - Quality Control

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EA32902 - EPA 5030										
LCS (EA32902-BS1)				Prepared & Analyzed: 29-Jan-13						
Dichlorodifluoromethane (F12)	5.82	0.50	ug/l	5.00		116	70-130			
Vinyl chloride	5.06	0.05	"	5.00		101	70-130			
Chloroethane	5.21	0.50	"	5.00		104	70-130			
Trichlorofluoromethane (F11)	4.96	0.50	"	5.00		99.1	70-130			
1,1-Dichloroethene	4.85	0.50	"	5.00		97.0	70-130			
Methylene chloride (Dichloromethane)	4.93	0.50	"	5.00		98.5	70-130			
1,1,2 Trichlorotrifluoroethane (F113)	4.79	0.50	"	5.00		95.8	70-130			
trans-1,2-Dichloroethene	5.38	0.50	"	5.00		108	70-130			
1,1-Dichloroethane	5.24	0.50	"	5.00		105	70-130			
cis-1,2-Dichloroethene	5.25	0.50	"	5.00		105	70-130			
Chloroform	5.19	0.10	"	5.00		104	70-130			
1,1,1-Trichloroethane	5.78	0.50	"	5.00		116	70-130			
Carbon tetrachloride	5.83	0.10	"	5.00		117	70-130			
1,2-Dichloroethane (EDC)	5.28	0.10	"	5.00		106	70-130			
Benzene	5.07	0.10	"	5.00		101	70-130			
Trichloroethene	5.25	0.10	"	5.00		105	70-130			
Toluene	4.96	1.0	"	5.00		99.1	70-130			
1,1,2-Trichloroethane	4.67	0.50	"	5.00		93.3	70-130			
Tetrachloroethene	4.78	0.10	"	5.00		95.6	70-130			
Ethylbenzene	5.03	0.50	"	5.00		101	70-130			
1,1,1,2-Tetrachloroethane	5.09	0.50	"	5.00		102	70-130			
m,p-Xylene	9.54	0.50	"	10.0		95.4	70-130			
o-Xylene	4.62	0.50	"	5.00		92.3	70-130			
1,1,2,2-Tetrachloroethane	4.04	0.50	"	5.00		80.8	70-130			
Surrogate: Dibromofluoromethane	*2.61*		"	*2.50*		*105*	*75-125*			
Surrogate: 1,2-Dichloroethane-d4	*2.67*		"	*2.50*		*107*	*75-125*			
Surrogate: Toluene-d8	*2.81*		"	*2.50*		*112*	*75-125*			
Surrogate: 4-Bromofluorobenzene	*2.48*		"	*2.50*		*99.1*	*75-125*			

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Hazard Management Consulting, Inc.	Project: HMC012913-L6	
211 W. Avenida Cordoba, #200	Project Number: 761 TERMINAL ST	Reported:
San Clemente, CA 92672	Project Manager: Mr. Mark S. Cousineau	06-Feb-13 10:44

Volatile Organic Compounds by 8260SV - Quality Control

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EA33003 - EPA 5030										
Blank (EA33003-BLK1)				Prepared & Analyzed: 30-Jan-13						
1,1-Difluoroethane (LCC)	ND	0.50	ug/l							
Dichlorodifluoromethane (F12)	ND	0.50	"							
Vinyl chloride	ND	0.05	"							
Chloroethane	ND	0.50	"							
Trichlorofluoromethane (F11)	ND	0.50	"							
1,1-Dichloroethene	ND	0.50	"							
Methylene chloride (Dichloromethane)	ND	0.50	"							
1,1,2 Trichlorotrifluoroethane (F113)	ND	0.50	"							
trans-1,2-Dichloroethene	ND	0.50	"							
1,1-Dichloroethane	ND	0.50	"							
cis-1,2-Dichloroethene	ND	0.50	"							
Chloroform	ND	0.10	"							
1,1,1-Trichloroethane	ND	0.50	"							
Carbon tetrachloride	ND	0.10	"							
1,2-Dichloroethane (EDC)	ND	0.10	"							
Benzene	ND	0.10	"							
Trichloroethene	ND	0.10	"							
Toluene	ND	1.0	"							
1,1,2-Trichloroethane	ND	0.50	"							
Tetrachloroethene	ND	0.10	"							
Ethylbenzene	ND	0.50	"							
1,1,1,2-Tetrachloroethane	ND	0.50	"							
m,p-Xylene	ND	0.50	"							
o-Xylene	ND	0.50	"							
1,1,2,2-Tetrachloroethane	ND	0.50	"							
Surrogate: Dibromofluoromethane	*2.50*		"	*2.50*		*100*	*75-125*			
Surrogate: 1,2-Dichloroethane-d4	*2.55*		"	*2.50*		*102*	*75-125*			
Surrogate: Toluene-d8	*2.68*		"	*2.50*		*107*	*75-125*			
Surrogate: 4-Bromofluorobenzene	*2.64*		"	*2.50*		*106*	*75-125*			

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Hazard Management Consulting, Inc.	Project: HMC012913-L6	
211 W. Avenida Cordoba, #200	Project Number: 761 TERMINAL ST	Reported:
San Clemente, CA 92672	Project Manager: Mr. Mark S. Cousineau	06-Feb-13 10:44

Volatile Organic Compounds by 8260SV - Quality Control

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EA33003 - EPA 5030										
LCS (EA33003-BS1)				Prepared & Analyzed: 30-Jan-13						
Dichlorodifluoromethane (F12)	4.83	0.50	ug/l	5.00		96.7	70-130			
Vinyl chloride	6.07	0.05	"	5.00		121	70-130			
Chloroethane	6.20	0.50	"	5.00		124	70-130			
Trichlorofluoromethane (F11)	5.83	0.50	"	5.00		117	70-130			
1,1-Dichloroethene	5.65	0.50	"	5.00		113	70-130			
Methylene chloride (Dichloromethane)	4.64	0.50	"	5.00		92.7	70-130			
1,1,2 Trichlorotrifluoroethane (F113)	5.80	0.50	"	5.00		116	70-130			
trans-1,2-Dichloroethene	5.33	0.50	"	5.00		107	70-130			
1,1-Dichloroethane	5.27	0.50	"	5.00		105	70-130			
cis-1,2-Dichloroethene	5.39	0.50	"	5.00		108	70-130			
Chloroform	5.09	0.10	"	5.00		102	70-130			
1,1,1-Trichloroethane	5.47	0.50	"	5.00		109	70-130			
Carbon tetrachloride	5.98	0.10	"	5.00		120	70-130			
1,2-Dichloroethane (EDC)	5.00	0.10	"	5.00		100	70-130			
Benzene	5.13	0.10	"	5.00		103	70-130			
Trichloroethene	5.20	0.10	"	5.00		104	70-130			
Toluene	5.06	1.0	"	5.00		101	70-130			
1,1,2-Trichloroethane	4.52	0.50	"	5.00		90.5	70-130			
Tetrachloroethene	5.20	0.10	"	5.00		104	70-130			
Ethylbenzene	5.37	0.50	"	5.00		107	70-130			
1,1,1,2-Tetrachloroethane	5.47	0.50	"	5.00		109	70-130			
m,p-Xylene	10.6	0.50	"	10.0		106	70-130			
o-Xylene	5.02	0.50	"	5.00		100	70-130			
1,1,2,2-Tetrachloroethane	3.88	0.50	"	5.00		77.7	70-130			
Surrogate: Dibromofluoromethane	*2.55*		"	*2.50*		*102*	*75-125*			
Surrogate: 1,2-Dichloroethane-d4	*2.47*		"	*2.50*		*98.7*	*75-125*			
Surrogate: Toluene-d8	*2.83*		"	*2.50*		*113*	*75-125*			
Surrogate: 4-Bromofluorobenzene	*2.64*		"	*2.50*		*106*	*75-125*			

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Hazard Management Consulting, Inc.	Project: HMC012913-L6	
211 W. Avenida Cordoba, #200	Project Number: 761 TERMINAL ST	Reported:
San Clemente, CA 92672	Project Manager: Mr. Mark S. Cousineau	06-Feb-13 10:44

Notes and Definitions

DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference

Appendix

H&P Mobile Geochemistry, Inc. is approved as an Environmental Laboratory in conformance with the Environmental Laboratory Accreditation Program (CA) for the category of Volatile and Semi-Volatile Organic Chemistry of Hazardous Waste for the following methods:

Certificate# 2741, 2763, 2579, 2754 & 2740 approved for EPA 8260 and LUFT GC/MS
Certificate# 2742, 2765, & 2741 approved for LUFT
Certificate# 2765 & 2742 approved for EPA 418.1

H&P Mobile Geochemistry, Inc. is approved as an Environmental Laboratory in conformance with the National Environmental Accreditation Conference Standards for the category Environmental Analysis Air and Emissions for the following analytes and methods:

1,2,4-Trichlorobenzene by EPA TO-15 & TO-14A
Hexachlorobutadiene by EPA TO-15 & TO-14A
1,2,4-Trimethylbenzene by EPA TO-14A
1,2-Dichlorobenzene by EPA TO-15 & TO-14A
1,3,5-Trimethylbenzene by EPA TO-14A
1,4-Dichlorobenzene by EPA TO-15 & TO-14A
Benzene by EPA TO-15 & TO-14A
Chlorobenzene by EPA TO-15 & TO-14A
Ethyl benzene by EPA TO-15 & TO-14A
Styrene by EPA TO-15 & TO-14A
Toluene by EPA TO-15 & TO-14A
Total Xylenes by EPA TO-15 & TO-14A
1,1,1-Trichloroethane by EPA TO-15 & TO-14A
1,1,2,2-Tetrachloroethane by EPA TO-15 & TO-14A
1,1,2-Trichloroethane by EPA TO-15 & TO-14A
1,1-Dichloroethane by EPA TO-15 & TO-14A
1,1-Dichloroethene by EPA TO-15 & TO-14A
1,2-Dichloroethane by EPA TO-15 & TO-14A
1,2-Dichloropropane by EPA TO-15 & TO-14A
Benzyl Chloride by EPA TO-15 & TO-14A
Bromoform by EPA TO-15
Bromomethane by EPA TO-15 & TO-14A
Carbon tetrachloride by EPA TO-15 & TO-14A
Chloroethane by EPA TO-15
Chloroform by EPA TO-15 & TO-14A
Chloromethane by EPA TO-15 & TO-14A
cis-1,2-Dichloroethene by EPA TO-15
cis-1,2-Dichloropropene by EPA TO-15 & TO-14A
Methylene chloride by EPA TO-15 & TO-14A
Tetrachloroethane by EPA TO-15 & TO-14A
trans-1,2-Dichloroethene by EPA TO-15
trans-1,2-Dichloropropene by EPA TO-15 & TO-14A
Trichloroethene by EPA TO-15 & TO-14A
Vinyl chloride by EPA TO-15 & TO-14A
2-Butanone by EPA TO-15
4-Methyl-2-Pentanone by EPA TO-15
Hexane by EPA TO-15
Methyl tert-butyl ether by EPA TO-15
Vinyl acetate by EPA TO-15

Dibromochloromethane by EPA TO-15
Dichlorodifluoromethane by EPA TO-15 & TO-14A
Trichlorofluoromethane by EPA TO-15 & TO-14A
Naphthalene by EPA TO-15 & TO-14A
m&p Xylenes by EPA TO-15
o-Xylene by EPA TO-15
1,3-Butadiene by EPA TO-15
1,1,2-Trichlorotrifluoroethane by EPA TO-15 & TO-14A
Carbon disulfide by EPA TO-15
1,4-Dioxane by EPA TO-15
Cyclohexane by EPA TO-15
tert-Butyl Alcohol by EPA TO-15
1,3-Dichlorobenzene by EPA TO-15 & TO-14A
Heptane by EPA TO-15
Bromodichloromethane by EPA TO-15 & TO-14A

This certification applies to samples analyzed in summa canisters.

Chain of Custody Record

Mobile Geochemistry Inc.

☐ 2470 Impala Dr., Carlsbad, CA 92010 • ph 760.804.9678 • fax 760.804.9159
☑ 1855 Coronado Ave., Signal Hill, CA 90755 • ph 800.834.9888

Date: 1-29-13
H&P Project #: HMC012913-L6
Outside Lab:

Client: Hazard Management Consulting, Inc.
Address: 211 W. Avenida Cordoba, #200
San Clemente, CA 92672
Email: markc@hmcinc.biz; proberts@ardentenv.com

Collector: Anibal Sanchez
Client Project #: 761 TERMINAL ST.
Location: 761 Terminal St.
Phone: 949-361-3902 Fax:

Page: 1 of 2
Project Contact: Mark S. Lousineau
Turn around time: Field

Geotracker EDF: Yes ☐ No ☐
Global ID:
Excel EDD: Yes ☐ No ☐

Sample Receipt
Intact: ☑ Yes ☐ No
Seal Intact: ☐ Yes ☐ No ☑ N/A
Cold: ☐ Yes ☐ No ☑ N/A
Temperature: 20

Special Instructions:

Lab Work Order #: E301101 / EA32902

Sample Name	Field Point Name	Purge Vol	Time	Date	Sample Type	Container Type	Total # of containers	SOIL/GW: 8260B Full List	SOIL/GW: BTEX/OXY 8260B	SOIL/GW: TPH gas 8015M TPH	SOIL/GW: ☐ g ☐ d ☐ ext 418.1 TRPH	SOIL VAPOR/AIR ANALYSIS: VOC's: Full List ☐ 8260B ☐ TO-15	SOIL VAPOR/AIR ANALYSIS: VOC's: Short List/DTSC ☑ 8260B ☐ TO-15	SOIL VAPOR/AIR ANALYSIS: VOC's: SAM, 8260B ☐ SAM A ☐ SAM B	SOIL VAPOR/AIR ANALYSIS: Naphthalene ☐ 8260B ☐ TO-15	SOIL VAPOR/AIR ANALYSIS: Oxygenates ☐ 8260B ☐ TO-15	SOIL VAPOR/AIR ANALYSIS: TPHv gas ☐ 8260B ☐ TO-15	SOIL VAPOR/AIR ANALYSIS: Ketones ☐ 8260B ☐ TO-15	SOIL VAPOR/AIR ANALYSIS: Other ☐ 8260B ☐ TO-15	SOIL VAPOR/AIR ANALYSIS: Leak Check Compound ☑ 1,1 DFA ☐ OTHER	SOIL VAPOR/AIR ANALYSIS: Methane	SOIL VAPOR/AIR ANALYSIS: Fixed Gases ☐ N_2 ☐ O_2 ☐ CO_2
SG-2-5'		1626	0749	1/29	Vapor	Soil sleeve	1						X								X	
SG-1-5'		1626	0733				1						X								X	
SG-3-5'		1626	0824				1						X								X	
SG-4-5'		1626	0907				1						X								X	
SG-5-5'		1626	0924				1						X								X	
SG-6-5'		1626	0941				1						X								X	
SG-7-5'		1626	1021				1						X								X	
SG-8-5'		1626	1036				1						X								X	
SG-9-5'		1626	1053				1						X								X	
SG-10-5'		1626	1109				1						X								X	

Relinquished by: (Signature)	(company)	Received by: (Signature)	(company)	Date	Time
	Ardent		H&P	1-29-13	
Relinquished by: (Signature)	(company)	Received by: (Signature)	(company)	Date	Time
Relinquished by: (Signature)	(company)	Received by: (Signature)	(company)	Date	Time

*Signature constitutes authorization to proceed with analysis and acceptance of condition on back.

Sample disposal instruction: ☐ Disposal ☐ Return to client ☐ Pickup

Chain of Custody Record

Mobile Geochemistry Inc.
☐ 2470 Impala Dr., Carlsbad, CA 92010 • ph 760.804.9678 • fax 760.804.9159
☑ 1855 Coronado Ave., Signal Hill, CA 90755 • ph 800.834.9888

Date: 1-29-13
H&P Project #: HMC012913-L6
Outside Lab:

Client: Hazard Management Consulting, Inc. Collector: Angel Sanchez Page: 2 of 2
Address: 211 W. Avenida Cordoba, #200 Client Project #: 761 TERMINAL ST. Project Contact: Mark S. Cousineau
San Clemente, CA 92672 Location: 761 Terminal St.
Email: marki@hmcinc.biz ; plobertz@ardentenv.com Phone: 949-361-3902 Fax: Turn around time: Field

Geotracker EDF: Yes ☐ No ☐
Global ID:
Excel EDD: Yes ☐ No ☐

Sample Receipt
Intact: ☑ Yes ☐ No
Seal Intact: ☐ Yes ☐ No ☑ N/A
Cold: ☐ Yes ☐ No ☑ N/A
Temperature: 70

Special Instructions:

Lab Work Order # E301101 / EA132902

Sample Name	Field Point Name	Purge Vol	Time	Date	Sample Type	Container Type	Total # of containers	8260B Full List	8260B ☐ BTEXOXY ☐ TPH gas	8015M TPH ☐ g ☐ d ☐ ext	418.1 TRPH	VOC's: Full List ☐ 8260B ☐ TO-15	VOC's: Short List/DTSC ☐ 8260B ☐ TO-15	VOC's: SAM, 8260B ☐ SAM A ☐ SAM B	Naphthalene ☐ 8260B ☐ TO-15	Oxygenates ☐ 8260B ☐ TO-15	TPHv gas ☐ 8260B ☐ TO-15	Ketones ☐ 8260B ☐ TO-15	Other ____ ☐ 8260B ☐ TO-15	Leak Check Compound ☑ 1,1 DFA ☐ OTHER	Methane	Fixed Gases ☐ CO_2 ☐ O_2 ☐ N_2
								SOIL/GW				SOIL VAPOR/AIR ANALYSIS										
SG-11-5'		1626	1135	1/29	Vapor	Glass Syringe	1						X							X		
SG-12-5'		1626	1149	↓	↓	↓	1						X							X		
SG-13-5'		1626	1207				1						X							X		
SG-14-5'		1626	1219				1						X							X		
SG-13-5' Rep		1626	1207				1						X							X		

Relinquished by: (Signature)	(company)	Received by: (Signature)	(company)	Date	Time
	Ardent			1-29-13	1400
Relinquished by: (Signature)	(company)	Received by: (Signature)	(company)	Date:	Time:
Relinquished by: (Signature)	(company)	Received by: (Signature)	(company)	Date:	Time:

*Signature constitutes authorization to proceed with analysis and acceptance of condition on back.

Sample disposal instruction: ☐ Disposal ☐ Return to client ☐ Pickup

Chain of Custody Record

Mobile Geochemistry Inc.

☐ 2470 Impala Dr., Carlsbad, CA 92010 • ph 760.804.9678 • fax 760.804.9159
☑ 1855 Coronado Ave., Signal Hill, CA 90755 • ph 800.834.9888

Date: 1-30-13
H&P Project #: HMC012913-L6
Outside Lab:

Client: Hazard Management Consulting, Inc. Collector: A. Sanchez Page: 1 of
Address: 211 W. Avenida Cordoba, #200 Client Project #: 761 TERMINAL ST. Project Contact: Mark S. Cousineau
San Clemente, CA 92672 Location: 761 Terminal St.
Email: markc@hmcinc.biz ; jroberts@ardentenv.com Phone: 949-361-3902 Fax: Turn around time: Field

Geotracker EDF: Yes ☐ No ☐
Global ID:
Excel EDD: Yes ☐ No ☐

Sample Receipt
Intact: ☑ Yes ☐ No
Seal Intact: ☐ Yes ☐ No ☑ N/A
Cold: ☐ Yes ☐ No ☐ N/A
Temperature: 70

Special Instructions:

Lab Work Order #: E301107 / EA33003

	Sample Name	Field Point Name	Purge Vol	Time	Date	Sample Type	Container Type	Total # of containers	8260B Full List	8260B BTEX/OXY TPH gas	8015M TPH g d ext	418.1 TRPH	VOC's: Full List 8260B TO-15	VOC's: Short List/OTSC 8260B TO-15	VOC's: SAM, 8260B SAM A SAM B	Naphthalene 8260B TO-15	Oxygenates 8260B TO-15	TPHv gas 8260B TO-15	Ketones 8260B TO-15	Other 8260B TO-15	Leak Check Compound 1,1 DFA OTHER	Methane	Fixed Gases CO2 O2 N2
									SOIL/GW				SOIL VAPOR/AIR ANALYSIS										
1	SG-15-5		1626	0619	1/30	Vapor	5 liter glass syringe	1					X								X		
2	SG-15-5 Rep		1676	0624	1/30	Vapor		1					X								X		
3	SG-16-5		1626	0644	1/30	Vapor		1					X								X		
4	SG-17-5		1026	721				1					X								X		
5	SG-18-5		1626	659				1					X								X		
6	SG-19-5		1626	709				1					X								X		
7	SG-20-5		1626	736				1					X								X		
8	SG-21-5		1626	8:34				1					X								X		
9	SG-22-5		1626	846				1					X								X		
10	SG-23-5		1626	858				1					X								X		

Relinquished by: (Signature)	(company) Ardent	Received by: (Signature)	(company) H&P	Date: 1-30-13 Time: 10:40AM
Relinquished by: (Signature)	(company)	Received by: (Signature)	(company)	Date: Time:
Relinquished by: (Signature)	(company)	Received by: (Signature)	(company)	Date: Time:

*Signature constitutes authorization to proceed with analysis and acceptance of condition on back.

Sample disposal instruction: ☐ Disposal ☐ Return to client ☐ Pickup

Chain of Custody Record

H&P Mobile Geochemistry Inc.

☐ 2470 Impala Dr., Carlsbad, CA 92010 • ph 760.804.9678 • fax 760.804.9159

☑ 1855 Coronado Ave., Signal Hill, CA 90755 • ph 800.834.9888

Date: 1-30-13

H&P Project #: HML0129126

Outside Lab:

Client: Hazard Management Consulting, Inc. | Collector: A. Sanchez | Page: 2 of 2

Address: 211 W. Avenida Cordoba, # 200, San Clemente, CA 92672 | Client Project #: 761 TERMINAL ST. | Project Contact: Mark S. Corsaneau

Location: 761 Terminal Street

Email: marke@hmc.inc.biz ; proberts@ardentenv.com | Phone: 949-361-3902 | Fax: | Turn around time: Field

Geotracker EDF: Yes ☐ No ☐

Global ID:

Excel EDD: Yes ☐ No ☐

Sample Receipt
Intact: ☐ Yes ☐ No
Seal Intact: ☐ Yes ☐ No ☐ N/A
Cold: ☐ Yes ☐ No ☐ N/A
Temperature: 20

Special Instructions:

Lab Work Order # E3011071 / EA33003

Sample Name	Field Point Name	Purge Vol	Time	Date	Sample Type	Container Type	Total # of containers	82608 Full List	82608 ☐ BTEX/OXY ☐ TPH gas	8015M TPH ☐ g ☐ d ☐ ext	418.1 TRPH	VOC's: Full List ☐ 82608 ☐ TO-15	VOC's: Short List/DTSC ☐ 82608 ☐ TO-15	VOC's: SAM, 82608 ☐ SAM A ☐ SAM B	Naphthalene ☐ 82608 ☐ TO-15	Oxygenates ☐ 82608 ☐ TO-15	TPHv gas ☐ 82608 ☐ TO-15	Ketones ☐ 82608 ☐ TO-15	Other ____ ☐ 82608 ☐ TO-15	Leak Check Compound ☑ 1,1 DFA ☐ OTHER	Methane	Fixed Gases ☐ CO_2 ☐ O_2 ☐ N_2
								SOIL/GW				SOIL VAPOR/AIR ANALYSIS										
S4-24-5		1626	909	1/30	Vapor	SUMMA Syringe	1					X								X		

Relinquished by: (Signature)	(company)	Received by: (Signature)	(company)	Date	Time
	Ardent		HHP	1-30-13	10:40 AM
Relinquished by: (Signature)	(company)	Received by: (Signature)	(company)	Date	Time
Relinquished by: (Signature)	(company)	Received by: (Signature)	(company)	Date	Time

*Signature constitutes authorization to proceed with analysis and acceptance of condition on back.

Sample disposal instruction: ☐ Disposal ☐ Return to client ☐ Pickup

Vapor Sampling with Mobile Lab (Syringe*)

H&P Mobile Geochemistry Inc.

H&P Project #: HMC012913-L6
Site Address: 761 Terminal St. Los Angeles, CA
Consultant: Hazard Management Consulting, Inc.
Field Rep(s): Paul Roberts (Ardent)
H&P Rep(s): Josh Tran/ Amilcar Sanchez

Date: 1/29/2013
Arrival Time: 6:00
Departure Time: 1400
Overtime:
Approved By:

Office Use Only:
Reviewed: DB
Scanned:

	Sampling Information				Probe Specs							Collection Data				
	Point ID	Syringe ID	Date	Sample Time	Probe Depth (ft)	Tubing Length (ft)	Tubing Dia (in.)	Sand Pack Dia (in.)	Sand Pack Ht (in.)	Dry Bent. Dia (in.)	Dry Bent. Ht (in.)	Purge Vol. (cc)	Shut-in Test (✓=Pass)	Flow Rate (mL/min)	Probe Pressure ("Hg)	Field Notes:
1	SG-2-5'	108	1/29	0749	5	7	0.177	2.25	12	2.25	6	1626	✓	≤200	0	
2	SG-1-5'	97	1/29	0733	↓	↓	↓	↓	↓	↓	↓	↓	✓	↓	↓	
3	SG-3-5'	109	1/29	0829	↓	↓	↓	↓	↓	↓	↓	↓	✓	↓	↓	
4	SG-4-5'	94	1/29	0907	↓	↓	↓	↓	↓	↓	↓	↓	✓	↓	↓	
5	SG-5-5'	95	1/29	0924	↓	↓	↓	↓	↓	↓	↓	↓	✓	↓	↓	
6	SG-6-5'	108	1/29	0941	↓	↓	↓	↓	↓	↓	↓	↓	✓	↓	↓	
7	SG-7-5'	94	1/29	1021	↓	↓	↓	↓	↓	↓	↓	↓	✓	↓	↓	
8	SG-8-5'	109	1/29	1036	↓	↓	↓	↓	↓	↓	↓	↓	✓	↓	↓	
9	SG-9-5'	95	1/29	1053	↓	↓	↓	↓	↓	↓	↓	↓	✓	↓	↓	
10	SG-10-5'	108	1/29	1109	↓	↓	↓	↓	↓	↓	↓	↓	✓	↓	↓	
11	SG-11-5'	97	1/29	1135	↓	↓	↓	↓	↓	↓	↓	↓	✓	↓	↓	
12	SG-12-5	94	1/29	1149	↓	↓	↓	↓	↓	↓	↓	↓	✓	↓	↓	

Purge Volume Calculation

Probe ID for PVT, if applicable:	N/A					
Tubing:	Length:	7	Diameter:	0.177	1 Volume:	34
Sand Pack (if included in purge volume calculation):	Height:	12	Diameter:	2.25	1 Volume:	313
Dry Bentonite (if included in purge volume calculation):	Height:	6	Diameter:	2.25	1 Volume:	195
PVT Increments:	1PV =	542	3PV =	1626	10PV =	5421
PV Amount Selected:	3PV	1626cc	*Selected by:*	Paul Roberts		

Leak Check Information

Leak Check Compound: ☑1,1-DFA ☐1,1,1,2-TFA ☐IPA ☐Other

Procedure: Cloth saturated with LCC is placed around probe tubing at groundlevel.

Other Notes: * 50cc vapor collected unless otherwise specified.

samples pulled after probes set.
No required wait time by Paul Roberts

Vapor Sampling with Mobile Lab (Syringe*)

H&P Mobile Geochemistry Inc.

H&P Project #: HMC012913-L6
Site Address: 761 Terminal St. Los Angeles, CA
Consultant: Hazard Management Consulting, Inc.
Field Rep(s): Paul Roberts (Ardent)
H&P Rep(s): Josh Tran/ Amilcar Sanchez

Date: 1/29/2013
Arrival Time: 6:00
Departure Time: 1400
Overtime:
Approved By:

Office Use Only:
Reviewed: DB
Scanned:

	Sampling Information				Probe Specs							Collection Data				
	Point ID	Syringe ID	Date	Sample Time	Probe Depth (ft)	Tubing Length (ft)	Tubing Dia (in.)	Sand Pack Dia (in.)	Sand Pack Ht (in.)	Dry Bent. Dia (in.)	Dry Bent. Ht (in.)	Purge Vol. (cc)	Shut-in Test (✓=Pass)	Flow Rate (mL/min)	Probe Pressure ("Hg)	Field Notes:
13	SG-13-5'	104	1/29	1207	5	7	0.177	2.25	12	2.25	6	1626	✓	<200	0	
14	SG-13-5' Rep	108	1/29	1207	5	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	
15	SG-14-5'	95	1/29	1218	5	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	
16																
17																
18																
19																
20																
21																
22																
23																
24																

Purge Volume Calculation

Probe ID for PVT, if applicable:			
Tubing:	Length:	Diameter:	1 Volume:
Sand Pack (if included in purge volume calculation):	Height:	Diameter:	1 Volume:
Dry Bentonite (if included in purge volume calculation):	Height:	Diameter:	1 Volume:
PVT Increments:	1PV =	3PV =	10PV =
PV Amount Selected:		*Selected by:*	

Leak Check Information

Leak Check Compound: ☑1,1-DFA ☐1,1,1,2-TFA ☐IPA ☐Other

Procedure: Cloth saturated with LCC is placed around probe tubing at groundlevel.

Other Notes: * 50cc vapor collected unless otherwise specified.

Vapor Sampling with Mobile Lab (Syringe*)

H&P Mobile Geochemistry Inc.

H&P Project #: HMC012913-L6
Site Address: 761 Terminal St. Los Angeles, CA
Consultant: Hazard Management Consulting, Inc.
Field Rep(s): Paul Roberts (Ardent)
H&P Rep(s): Josh Tran/ Amilcar Sanchez

Date: 1/30/2013
Arrival Time: 6:00
Departure Time: 10:40
Overtime:
Approved By:

Office Use Only
Reviewed: DB
Scanned:

	Sampling Information				Probe Specs							Collection Data				
	Point ID	Syringe ID	Date	Sample Time	Probe Depth (ft)	Tubing Length (ft)	Tubing Dia (in.)	Sand Pack Dia (in.)	Sand Pack Ht (in.)	Dry Bent. Dia (in.)	Dry Bent. Ht (in.)	Purge Vol. (cc)	Shut-in Test (✓=Pass)	Flow Rate (mL/min)	Probe Pressure ("Hg)	Field Notes:
1	SG-15-5'	104	1/30	0629	5	7	0.177	2.25	12	2.25	6	1626	✓	≤200	0	
2	SG-15-5' Rep	97	1/30	0629								1676	✓	≤200	0	
3	SG-16-5'	95	1/30	0644								1626	✓	≤200	0	
4	SG-18-5'	108	1/30	659									✓		0	
5	SG-19-5'	94	1/30	709									✓		0	
6	SG-17 5'	104	1/30	721									✓		0	
7	SG-20-5'	97	1/30	736									✓		0	
8	SG-21-5'	95	1/30	8:34									✓		0	
9	SG-22-5'	109	1/30	846									✓		0	
10	SG-23-5'	108	1/30	858									✓		0	
11	SG-24-5'	77	1/30	909									✓		0	
12																

Purge Volume Calculation

Probe ID for PVT, if applicable:	N/A		
Tubing:	Length:	Diameter:	1 Volume:
Sand Pack (if included in purge volume calculation):	Height:	Diameter:	1 Volume:
Dry Bentonite (if included in purge volume calculation):	Height:	Diameter:	1 Volume:
PVT Increments:	1PV =	3PV = 1676	10PV =
PV Amount Selected:	3PV	Selected by: Paul Roberts	

Leak Check Information

Leak Check Compound: □1,1-DFA □1,1,1,2-TFA □IPA □Other

Procedure: Cloth saturated with LCC is placed around probe tubing at groundlevel.

Other Notes: * 50cc vapor collected unless otherwise specified.
No wait time required by Paul Roberts

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PROVIDING QUALITY ANALYTICAL SERVICES NATIONWIDE

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06 February 2013

Paul Roberts
Ardent Enviromental Group, Inc.
1141 Pomona Road, Suite E
Corona, CA 92882
RE: 761 Terminal Street

Enclosed are the results of analyses for samples received by the laboratory on 01/30/13 10:30. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Daniel J Chavez

Daniel Chavez
Project Manager

SunStar Laboratories, Inc.
Providing Quality Analytical Services Nationwide

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Lake Forest, California 92630
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949.297.5027 Fax

Ardent Environmental Group, Inc.	Project: 761 Terminal Street	
1141 Pomona Road, Suite E	Project Number: 100417001	**Reported:**
Corona CA, 92882	Project Manager: Paul Roberts	02/06/13 17:08

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SG-1S	T130184-01	Soil	01/29/13 00:00	01/30/13 10:30
SG-4S	T130184-04	Soil	01/29/13 00:00	01/30/13 10:30
SG-5S	T130184-05	Soil	01/29/13 00:00	01/30/13 10:30
SG-9S	T130184-09	Soil	01/29/13 00:00	01/30/13 10:30
SG-16S	T130184-16	Soil	01/29/13 00:00	01/30/13 10:30
SG-17S	T130184-17	Soil	01/30/13 00:00	01/30/13 10:30
SG-18S	T130184-18	Soil	01/30/13 00:00	01/30/13 10:30
SG-19S	T130184-19	Soil	01/30/13 00:00	01/30/13 10:30
SG-23S	T130184-23	Soil	01/30/13 00:00	01/30/13 10:30

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Ardent Environmental Group, Inc.	Project: 761 Terminal Street	
1141 Pomona Road, Suite E	Project Number: 100417001	**Reported:**
Corona CA, 92882	Project Manager: Paul Roberts	02/06/13 17:08

SG-1S

T130184-01 (Soil)

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Extractable Petroleum Hydrocarbons by 8015C									
C10-C12	ND	10	mg/kg	1	3013025	01/30/13	02/06/13	EPA 8015C	
C13-22	ND	10	"	"	"	"	"	"	
C23-C32	**35**	10	"	"	"	"	"	"	
Surrogate: p-Terphenyl		*76.1 %*	*65-135*		"	"	"	"	
Polychlorinated Biphenyls by EPA Method 8082									
PCB-1016	ND	10	ug/kg	1	3013112	01/31/13	02/05/13	EPA 8082	
PCB-1221	ND	10	"	"	"	"	"	"	
PCB-1232	ND	10	"	"	"	"	"	"	
PCB-1242	ND	10	"	"	"	"	"	"	
PCB-1248	ND	10	"	"	"	"	"	"	
PCB-1254	ND	10	"	"	"	"	"	"	
PCB-1260	ND	10	"	"	"	"	"	"	
Surrogate: Tetrachloro-meta-xylene		*77.3 %*	*35-140*		"	"	"	"	

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Ardent Environmental Group, Inc.	Project: 761 Terminal Street	
1141 Pomona Road, Suite E	Project Number: 100417001	**Reported:**
Corona CA, 92882	Project Manager: Paul Roberts	02/06/13 17:08

SG-4S

T130184-04 (Soil)

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Extractable Petroleum Hydrocarbons by 8015C									
C10-C12	ND	10	mg/kg	1	3013025	01/30/13	02/06/13	EPA 8015C	
C13-22	ND	10	"	"	"	"	"	"	
C23-C32	ND	10	"	"	"	"	"	"	
Surrogate: p-Terphenyl		*65.8 %*	*65-135*		"	"	"	"	
Volatile Organic Compounds by EPA Method 8260B									
Bromobenzene	ND	5.0	ug/kg	1	3013030	01/30/13	01/31/13	EPA 8260B	
Bromochloromethane	ND	5.0	"	"	"	"	"	"	
Bromodichloromethane	ND	5.0	"	"	"	"	"	"	
Bromoform	ND	5.0	"	"	"	"	"	"	
Bromomethane	ND	5.0	"	"	"	"	"	"	
n-Butylbenzene	ND	5.0	"	"	"	"	"	"	
sec-Butylbenzene	ND	5.0	"	"	"	"	"	"	
tert-Butylbenzene	ND	5.0	"	"	"	"	"	"	
Carbon tetrachloride	ND	5.0	"	"	"	"	"	"	
Chlorobenzene	ND	5.0	"	"	"	"	"	"	
Chloroethane	ND	5.0	"	"	"	"	"	"	
Chloroform	ND	5.0	"	"	"	"	"	"	
Chloromethane	ND	5.0	"	"	"	"	"	"	
2-Chlorotoluene	ND	5.0	"	"	"	"	"	"	
4-Chlorotoluene	ND	5.0	"	"	"	"	"	"	
Dibromochloromethane	ND	5.0	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	5.0	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	5.0	"	"	"	"	"	"	
Dibromomethane	ND	5.0	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloroethane	ND	5.0	"	"	"	"	"	"	
1,2-Dichloroethane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloroethene	ND	5.0	"	"	"	"	"	"	

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Ardent Environmental Group, Inc.	Project: 761 Terminal Street	
1141 Pomona Road, Suite E	Project Number: 100417001	**Reported:**
Corona CA, 92882	Project Manager: Paul Roberts	02/06/13 17:08

SG-4S

T130184-04 (Soil)

SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
cis-1,2-Dichloroethene	ND	5.0	ug/kg	1	3013030	01/30/13	01/31/13	EPA 8260B	
trans-1,2-Dichloroethene	ND	5.0	"	"	"	"	"	"	
1,2-Dichloropropane	ND	5.0	"	"	"	"	"	"	
1,3-Dichloropropane	ND	5.0	"	"	"	"	"	"	
2,2-Dichloropropane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloropropene	ND	5.0	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	5.0	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	5.0	"	"	"	"	"	"	
Hexachlorobutadiene	ND	5.0	"	"	"	"	"	"	
Isopropylbenzene	ND	5.0	"	"	"	"	"	"	
p-Isopropyltoluene	ND	5.0	"	"	"	"	"	"	
Methylene chloride	ND	5.0	"	"	"	"	"	"	
Naphthalene	ND	5.0	"	"	"	"	"	"	
n-Propylbenzene	ND	5.0	"	"	"	"	"	"	
Styrene	ND	5.0	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	5.0	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	5.0	"	"	"	"	"	"	
Tetrachloroethene	ND	5.0	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	5.0	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	5.0	"	"	"	"	"	"	
Trichloroethene	ND	5.0	"	"	"	"	"	"	
Trichlorofluoromethane	ND	5.0	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	5.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
Vinyl chloride	ND	5.0	"	"	"	"	"	"	
Benzene	ND	5.0	"	"	"	"	"	"	
Toluene	ND	5.0	"	"	"	"	"	"	
Ethylbenzene	ND	5.0	"	"	"	"	"	"	
m,p-Xylene	ND	5.0	"	"	"	"	"	"	

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Ardent Environental Group, Inc.	Project: 761 Terminal Street	
1141 Pomona Road, Suite E	Project Number: 100417001	**Reported:**
Corona CA, 92882	Project Manager: Paul Roberts	02/06/13 17:08

SG-4S

T130184-04 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SunStar Laboratories, Inc.									
Volatile Organic Compounds by EPA Method 8260B									
o-Xylene	ND	5.0	ug/kg	1	3013030	01/30/13	01/31/13	EPA 8260B	
Surrogate: 4-Bromofluorobenzene		*111 %*	*81.2-123*		"	"	"	"	
Surrogate: Dibromofluoromethane		*92.4 %*	*95.7-135*		"	"	"	"	*S-GC*
Surrogate: Toluene-d8		*115 %*	*85.5-116*		"	"	"	"	

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Ardent Environmental Group, Inc.	Project: 761 Terminal Street	
1141 Pomona Road, Suite E	Project Number: 100417001	**Reported:**
Corona CA, 92882	Project Manager: Paul Roberts	02/06/13 17:08

SG-5S
T130184-05 (Soil)

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Extractable Petroleum Hydrocarbons by 8015C									
C10-C12	ND	10	mg/kg	1	3013025	01/30/13	02/06/13	EPA 8015C	
C13-22	ND	10	"	"	"	"	"	"	
C23-C32	ND	10	"	"	"	"	"	"	
Surrogate: p-Terphenyl		*70.8 %*	*65-135*		"	"	"	"	
Volatile Organic Compounds by EPA Method 8260B									
Bromobenzene	ND	5.0	ug/kg	1	3013030	01/30/13	01/31/13	EPA 8260B	
Bromochloromethane	ND	5.0	"	"	"	"	"	"	
Bromodichloromethane	ND	5.0	"	"	"	"	"	"	
Bromoform	ND	5.0	"	"	"	"	"	"	
Bromomethane	ND	5.0	"	"	"	"	"	"	
n-Butylbenzene	ND	5.0	"	"	"	"	"	"	
sec-Butylbenzene	ND	5.0	"	"	"	"	"	"	
tert-Butylbenzene	ND	5.0	"	"	"	"	"	"	
Carbon tetrachloride	ND	5.0	"	"	"	"	"	"	
Chlorobenzene	ND	5.0	"	"	"	"	"	"	
Chloroethane	ND	5.0	"	"	"	"	"	"	
Chloroform	ND	5.0	"	"	"	"	"	"	
Chloromethane	ND	5.0	"	"	"	"	"	"	
2-Chlorotoluene	ND	5.0	"	"	"	"	"	"	
4-Chlorotoluene	ND	5.0	"	"	"	"	"	"	
Dibromochloromethane	ND	5.0	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	5.0	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	5.0	"	"	"	"	"	"	
Dibromomethane	ND	5.0	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloroethane	ND	5.0	"	"	"	"	"	"	
1,2-Dichloroethane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloroethene	ND	5.0	"	"	"	"	"	"	

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Ardent Environmental Group, Inc.	Project: 761 Terminal Street	
1141 Pomona Road, Suite E	Project Number: 100417001	**Reported:**
Corona CA, 92882	Project Manager: Paul Roberts	02/06/13 17:08

SG-5S

T130184-05 (Soil)

SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
cis-1,2-Dichloroethene	ND	5.0	ug/kg	1	3013030	01/30/13	01/31/13	EPA 8260B	
trans-1,2-Dichloroethene	ND	5.0	"	"	"	"	"	"	
1,2-Dichloropropane	ND	5.0	"	"	"	"	"	"	
1,3-Dichloropropane	ND	5.0	"	"	"	"	"	"	
2,2-Dichloropropane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloropropene	ND	5.0	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	5.0	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	5.0	"	"	"	"	"	"	
Hexachlorobutadiene	ND	5.0	"	"	"	"	"	"	
Isopropylbenzene	ND	5.0	"	"	"	"	"	"	
p-Isopropyltoluene	ND	5.0	"	"	"	"	"	"	
Methylene chloride	ND	5.0	"	"	"	"	"	"	
Naphthalene	ND	5.0	"	"	"	"	"	"	
n-Propylbenzene	ND	5.0	"	"	"	"	"	"	
Styrene	ND	5.0	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	5.0	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	5.0	"	"	"	"	"	"	
Tetrachloroethene	ND	5.0	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	5.0	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	5.0	"	"	"	"	"	"	
Trichloroethene	ND	5.0	"	"	"	"	"	"	
Trichlorofluoromethane	ND	5.0	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	5.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
Vinyl chloride	ND	5.0	"	"	"	"	"	"	
Benzene	ND	5.0	"	"	"	"	"	"	
Toluene	ND	5.0	"	"	"	"	"	"	
Ethylbenzene	ND	5.0	"	"	"	"	"	"	
m,p-Xylene	ND	5.0	"	"	"	"	"	"	

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Ardent Environental Group, Inc.	Project: 761 Terminal Street	
1141 Pomona Road, Suite E	Project Number: 100417001	**Reported:**
Corona CA, 92882	Project Manager: Paul Roberts	02/06/13 17:08

SG-5S

T130184-05 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SunStar Laboratories, Inc.									
Volatile Organic Compounds by EPA Method 8260B									
o-Xylene	ND	5.0	ug/kg	1	3013030	01/30/13	01/31/13	EPA 8260B	
Surrogate: 4-Bromofluorobenzene		*111 %*	*81.2-123*		"	"	"	"	
Surrogate: Dibromofluoromethane		*71.9 %*	*95.7-135*		"	"	"	"	*S-GC*
Surrogate: Toluene-d8		*112 %*	*85.5-116*		"	"	"	"	

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Ardent Environmental Group, Inc.	Project: 761 Terminal Street	
1141 Pomona Road, Suite E	Project Number: 100417001	**Reported:**
Corona CA, 92882	Project Manager: Paul Roberts	02/06/13 17:08

SG-9S

T130184-09 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SunStar Laboratories, Inc.									
Extractable Petroleum Hydrocarbons by 8015C									
C10-C12	ND	10	mg/kg	1	3013025	01/30/13	02/06/13	EPA 8015C	
C13-22	ND	10	"	"	"	"	"	"	
C23-C32	ND	10	"	"	"	"	"	"	
Surrogate: p-Terphenyl		*71.5 %*	*65-135*		"	"	"	"	
Metals by EPA 6010B									
Antimony	ND	3.0	mg/kg	1	3013107	01/31/13	02/04/13	EPA 6010B	
Silver	ND	2.0	"	"	"	"	"	"	
Arsenic	ND	5.0	"	"	"	"	"	"	
Barium	**74**	1.0	"	"	"	"	"	"	
Beryllium	ND	1.0	"	"	"	"	"	"	
Cadmium	ND	2.0	"	"	"	"	"	"	
Chromium	**7.6**	2.0	"	"	"	"	"	"	
Cobalt	**6.5**	2.0	"	"	"	"	"	"	
Copper	**10**	1.0	"	"	"	"	"	"	
Lead	ND	3.0	"	"	"	"	"	"	
Molybdenum	ND	5.0	"	"	"	"	"	"	
Nickel	**6.3**	2.0	"	"	"	"	"	"	
Selenium	ND	5.0	"	"	"	"	"	"	
Thallium	ND	2.0	"	"	"	"	"	"	
Vanadium	**20**	5.0	"	"	"	"	"	"	
Zinc	**38**	1.0	"	"	"	"	"	"	
Cold Vapor Extraction EPA 7470/7471									
Mercury	ND	0.10	mg/kg	1	3013106	01/31/13	02/04/13	EPA 7471A Soil	

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Ardent Environmental Group, Inc.	Project: 761 Terminal Street	
1141 Pomona Road, Suite E	Project Number: 100417001	**Reported:**
Corona CA, 92882	Project Manager: Paul Roberts	02/06/13 17:08

SG-16S
T130184-16 (Soil)

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Extractable Petroleum Hydrocarbons by 8015C									
C10-C12	ND	10	mg/kg	1	3013025	01/30/13	02/06/13	EPA 8015C	
C13-22	ND	10	"	"	"	"	"	"	
C23-C32	ND	10	"	"	"	"	"	"	
Surrogate: p-Terphenyl		*72.8 %*	*65-135*		"	"	"	"	
Polychlorinated Biphenyls by EPA Method 8082									
PCB-1016	ND	10	ug/kg	1	3013112	01/31/13	02/05/13	EPA 8082	
PCB-1221	ND	10	"	"	"	"	"	"	
PCB-1232	ND	10	"	"	"	"	"	"	
PCB-1242	ND	10	"	"	"	"	"	"	
PCB-1248	ND	10	"	"	"	"	"	"	
PCB-1254	ND	10	"	"	"	"	"	"	
PCB-1260	ND	10	"	"	"	"	"	"	
Surrogate: Tetrachloro-meta-xylene		*72.5 %*	*35-140*		"	"	"	"	
Volatile Organic Compounds by EPA Method 8260B									
Bromobenzene	ND	5.0	ug/kg	1	3013030	01/30/13	01/31/13	EPA 8260B	
Bromochloromethane	ND	5.0	"	"	"	"	"	"	
Bromodichloromethane	ND	5.0	"	"	"	"	"	"	
Bromoform	ND	5.0	"	"	"	"	"	"	
Bromomethane	ND	5.0	"	"	"	"	"	"	
n-Butylbenzene	ND	5.0	"	"	"	"	"	"	
sec-Butylbenzene	ND	5.0	"	"	"	"	"	"	
tert-Butylbenzene	ND	5.0	"	"	"	"	"	"	
Carbon tetrachloride	ND	5.0	"	"	"	"	"	"	
Chlorobenzene	ND	5.0	"	"	"	"	"	"	
Chloroethane	ND	5.0	"	"	"	"	"	"	
Chloroform	ND	5.0	"	"	"	"	"	"	
Chloromethane	ND	5.0	"	"	"	"	"	"	
2-Chlorotoluene	ND	5.0	"	"	"	"	"	"	
4-Chlorotoluene	ND	5.0	"	"	"	"	"	"	
Dibromochloromethane	ND	5.0	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	5.0	"	"	"	"	"	"	

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Ardent Environmental Group, Inc.	Project: 761 Terminal Street	
1141 Pomona Road, Suite E	Project Number: 100417001	**Reported:**
Corona CA, 92882	Project Manager: Paul Roberts	02/06/13 17:08

SG-16S

T130184-16 (Soil)

SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
1,2-Dibromoethane (EDB)	ND	5.0	ug/kg	1	3013030	01/30/13	01/31/13	EPA 8260B	
Dibromomethane	ND	5.0	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloroethane	ND	5.0	"	"	"	"	"	"	
1,2-Dichloroethane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloroethene	ND	5.0	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	5.0	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	5.0	"	"	"	"	"	"	
1,2-Dichloropropane	ND	5.0	"	"	"	"	"	"	
1,3-Dichloropropane	ND	5.0	"	"	"	"	"	"	
2,2-Dichloropropane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloropropene	ND	5.0	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	5.0	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	5.0	"	"	"	"	"	"	
Hexachlorobutadiene	ND	5.0	"	"	"	"	"	"	
Isopropylbenzene	ND	5.0	"	"	"	"	"	"	
p-Isopropyltoluene	ND	5.0	"	"	"	"	"	"	
Methylene chloride	ND	5.0	"	"	"	"	"	"	
Naphthalene	ND	5.0	"	"	"	"	"	"	
n-Propylbenzene	ND	5.0	"	"	"	"	"	"	
Styrene	ND	5.0	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	5.0	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	5.0	"	"	"	"	"	"	
Tetrachloroethene	ND	5.0	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	5.0	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	5.0	"	"	"	"	"	"	
Trichloroethene	ND	5.0	"	"	"	"	"	"	

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1141 Pomona Road, Suite E	Project Number: 100417001	**Reported:**
Corona CA, 92882	Project Manager: Paul Roberts	02/06/13 17:08

SG-16S

T130184-16 (Soil)

SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Trichlorofluoromethane	ND	5.0	ug/kg	1	3013030	01/30/13	01/31/13	EPA 8260B	
1,2,3-Trichloropropane	ND	5.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
Vinyl chloride	ND	5.0	"	"	"	"	"	"	
Benzene	ND	5.0	"	"	"	"	"	"	
Toluene	ND	5.0	"	"	"	"	"	"	
Ethylbenzene	ND	5.0	"	"	"	"	"	"	
m,p-Xylene	ND	5.0	"	"	"	"	"	"	
o-Xylene	ND	5.0	"	"	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*105 %*	*81.2-123*		"	"	"	"	
Surrogate: Dibromofluoromethane		*84.0 %*	*95.7-135*		"	"	"	"	*S-GC*
Surrogate: Toluene-d8		*106 %*	*85.5-116*		"	"	"	"	

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1141 Pomona Road, Suite E	Project Number: 100417001	**Reported:**
Corona CA, 92882	Project Manager: Paul Roberts	02/06/13 17:08

SG-17S
T130184-17 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SunStar Laboratories, Inc.									
Extractable Petroleum Hydrocarbons by 8015C									
C10-C12	ND	10	mg/kg	1	3013025	01/30/13	02/06/13	EPA 8015C	
C13-22	ND	10	"	"	"	"	"	"	
C23-C32	**190**	10	"	"	"	"	"	"	
Surrogate: p-Terphenyl		*74.4 %*	*65-135*		"	"	"	"	
Metals by EPA 6010B									
Antimony	ND	3.0	mg/kg	1	3013107	01/31/13	02/04/13	EPA 6010B	
Silver	ND	2.0	"	"	"	"	"	"	
Arsenic	ND	5.0	"	"	"	"	"	"	
Barium	**120**	1.0	"	"	"	"	"	"	
Beryllium	ND	1.0	"	"	"	"	02/04/13	"	
Cadmium	ND	2.0	"	"	"	"	02/04/13	"	
Chromium	**28**	2.0	"	"	"	"	"	"	
Cobalt	**4.3**	2.0	"	"	"	"	"	"	
Copper	**99**	1.0	"	"	"	"	"	"	
Lead	**500**	3.0	"	"	"	"	"	"	
Molybdenum	ND	5.0	"	"	"	"	"	"	
Nickel	**10**	2.0	"	"	"	"	"	"	
Selenium	ND	5.0	"	"	"	"	"	"	
Thallium	ND	2.0	"	"	"	"	"	"	
Vanadium	**21**	5.0	"	"	"	"	"	"	
Zinc	**100**	1.0	"	"	"	"	"	"	
Cold Vapor Extraction EPA 7470/7471									
Mercury	ND	0.10	mg/kg	1	3013106	01/31/13	02/04/13	EPA 7471A Soil	

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Corona CA, 92882	Project Manager: Paul Roberts	02/06/13 17:08

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T130184-17 (Soil)

SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Bromobenzene	ND	5.0	ug/kg	1	3013030	01/30/13	01/31/13	EPA 8260B	
Bromochloromethane	ND	5.0	"	"	"	"	"	"	
Bromodichloromethane	ND	5.0	"	"	"	"	"	"	
Bromoform	ND	5.0	"	"	"	"	"	"	
Bromomethane	ND	5.0	"	"	"	"	"	"	
n-Butylbenzene	ND	5.0	"	"	"	"	"	"	
sec-Butylbenzene	ND	5.0	"	"	"	"	"	"	
tert-Butylbenzene	ND	5.0	"	"	"	"	"	"	
Carbon tetrachloride	ND	5.0	"	"	"	"	"	"	
Chlorobenzene	ND	5.0	"	"	"	"	"	"	
Chloroethane	ND	5.0	"	"	"	"	"	"	
Chloroform	ND	5.0	"	"	"	"	"	"	
Chloromethane	ND	5.0	"	"	"	"	"	"	
2-Chlorotoluene	ND	5.0	"	"	"	"	"	"	
4-Chlorotoluene	ND	5.0	"	"	"	"	"	"	
Dibromochloromethane	ND	5.0	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	5.0	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	5.0	"	"	"	"	"	"	
Dibromomethane	ND	5.0	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloroethane	ND	5.0	"	"	"	"	"	"	
1,2-Dichloroethane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloroethene	ND	5.0	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	5.0	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	5.0	"	"	"	"	"	"	
1,2-Dichloropropane	ND	5.0	"	"	"	"	"	"	
1,3-Dichloropropane	ND	5.0	"	"	"	"	"	"	
2,2-Dichloropropane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloropropene	ND	5.0	"	"	"	"	"	"	

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T130184-17 (Soil)

SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
cis-1,3-Dichloropropene	ND	5.0	ug/kg	1	3013030	01/30/13	01/31/13	EPA 8260B	
trans-1,3-Dichloropropene	ND	5.0	"	"	"	"	"	"	
Hexachlorobutadiene	ND	5.0	"	"	"	"	"	"	
Isopropylbenzene	ND	5.0	"	"	"	"	"	"	
p-Isopropyltoluene	ND	5.0	"	"	"	"	"	"	
Methylene chloride	ND	5.0	"	"	"	"	"	"	
Naphthalene	ND	5.0	"	"	"	"	"	"	
n-Propylbenzene	ND	5.0	"	"	"	"	"	"	
Styrene	ND	5.0	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	5.0	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	5.0	"	"	"	"	"	"	
Tetrachloroethene	ND	5.0	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	5.0	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	5.0	"	"	"	"	"	"	
Trichloroethene	ND	5.0	"	"	"	"	"	"	
Trichlorofluoromethane	ND	5.0	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	5.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
Vinyl chloride	ND	5.0	"	"	"	"	"	"	
Benzene	ND	5.0	"	"	"	"	"	"	
Toluene	ND	5.0	"	"	"	"	"	"	
Ethylbenzene	ND	5.0	"	"	"	"	"	"	
m,p-Xylene	ND	5.0	"	"	"	"	"	"	
o-Xylene	ND	5.0	"	"	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*103 %*	*81.2-123*		"	"	"	"	
Surrogate: Dibromofluoromethane		*56.2 %*	*95.7-135*		"	"	"	"	*S-GC*
Surrogate: Toluene-d8		*102 %*	*85.5-116*		"	"	"	"	

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1141 Pomona Road, Suite E	Project Number: 100417001	**Reported:**
Corona CA, 92882	Project Manager: Paul Roberts	02/06/13 17:08

SG-18S

T130184-18 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SunStar Laboratories, Inc.									
Extractable Petroleum Hydrocarbons by 8015C									
C10-C12	ND	10	mg/kg	1	3013025	01/30/13	02/06/13	EPA 8015C	
C13-22	ND	10	"	"	"	"	"	"	
C23-C32	ND	10	"	"	"	"	"	"	
Surrogate: p-Terphenyl		*65.5 %*	*65-135*		"	"	"	"	
Metals by EPA 6010B									
Antimony	ND	3.0	mg/kg	1	3013107	01/31/13	02/04/13	EPA 6010B	
Silver	ND	2.0	"	"	"	"	"	"	
Arsenic	ND	5.0	"	"	"	"	"	"	
Barium	**66**	1.0	"	"	"	"	"	"	
Beryllium	ND	1.0	"	"	"	"	02/04/13	"	
Cadmium	ND	2.0	"	"	"	"	02/04/13	"	
Chromium	**6.7**	2.0	"	"	"	"	"	"	
Cobalt	**5.8**	2.0	"	"	"	"	"	"	
Copper	**8.3**	1.0	"	"	"	"	"	"	
Lead	ND	3.0	"	"	"	"	"	"	
Molybdenum	ND	5.0	"	"	"	"	"	"	
Nickel	**5.2**	2.0	"	"	"	"	"	"	
Selenium	ND	5.0	"	"	"	"	"	"	
Thallium	ND	2.0	"	"	"	"	"	"	
Vanadium	**19**	5.0	"	"	"	"	"	"	
Zinc	**30**	1.0	"	"	"	"	"	"	
Cold Vapor Extraction EPA 7470/7471									
Mercury	ND	0.10	mg/kg	1	3013106	01/31/13	02/04/13	EPA 7471A Soil	

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SG-18S

T130184-18 (Soil)

SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Bromobenzene	ND	5.0	ug/kg	1	3013030	01/30/13	01/31/13	EPA 8260B	
Bromochloromethane	ND	5.0	"	"	"	"	"	"	
Bromodichloromethane	ND	5.0	"	"	"	"	"	"	
Bromoform	ND	5.0	"	"	"	"	"	"	
Bromomethane	ND	5.0	"	"	"	"	"	"	
n-Butylbenzene	ND	5.0	"	"	"	"	"	"	
sec-Butylbenzene	ND	5.0	"	"	"	"	"	"	
tert-Butylbenzene	ND	5.0	"	"	"	"	"	"	
Carbon tetrachloride	ND	5.0	"	"	"	"	"	"	
Chlorobenzene	ND	5.0	"	"	"	"	"	"	
Chloroethane	ND	5.0	"	"	"	"	"	"	
Chloroform	ND	5.0	"	"	"	"	"	"	
Chloromethane	ND	5.0	"	"	"	"	"	"	
2-Chlorotoluene	ND	5.0	"	"	"	"	"	"	
4-Chlorotoluene	ND	5.0	"	"	"	"	"	"	
Dibromochloromethane	ND	5.0	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	5.0	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	5.0	"	"	"	"	"	"	
Dibromomethane	ND	5.0	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloroethane	ND	5.0	"	"	"	"	"	"	
1,2-Dichloroethane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloroethene	ND	5.0	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	5.0	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	5.0	"	"	"	"	"	"	
1,2-Dichloropropane	ND	5.0	"	"	"	"	"	"	
1,3-Dichloropropane	ND	5.0	"	"	"	"	"	"	
2,2-Dichloropropane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloropropene	ND	5.0	"	"	"	"	"	"	

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1141 Pomona Road, Suite E	Project Number: 100417001	**Reported:**
Corona CA, 92882	Project Manager: Paul Roberts	02/06/13 17:08

SG-18S

T130184-18 (Soil)

SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
cis-1,3-Dichloropropene	ND	5.0	ug/kg	1	3013030	01/30/13	01/31/13	EPA 8260B	
trans-1,3-Dichloropropene	ND	5.0	"	"	"	"	"	"	
Hexachlorobutadiene	ND	5.0	"	"	"	"	"	"	
Isopropylbenzene	ND	5.0	"	"	"	"	"	"	
p-Isopropyltoluene	ND	5.0	"	"	"	"	"	"	
Methylene chloride	ND	5.0	"	"	"	"	"	"	
Naphthalene	ND	5.0	"	"	"	"	"	"	
n-Propylbenzene	ND	5.0	"	"	"	"	"	"	
Styrene	ND	5.0	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	5.0	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	5.0	"	"	"	"	"	"	
Tetrachloroethene	ND	5.0	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	5.0	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	5.0	"	"	"	"	"	"	
Trichloroethene	ND	5.0	"	"	"	"	"	"	
Trichlorofluoromethane	ND	5.0	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	5.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
Vinyl chloride	ND	5.0	"	"	"	"	"	"	
Benzene	ND	5.0	"	"	"	"	"	"	
Toluene	ND	5.0	"	"	"	"	"	"	
Ethylbenzene	ND	5.0	"	"	"	"	"	"	
m,p-Xylene	ND	5.0	"	"	"	"	"	"	
o-Xylene	ND	5.0	"	"	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*113 %*	*81.2-123*		"	"	"	"	
Surrogate: Dibromofluoromethane		*78.1 %*	*95.7-135*		"	"	"	"	*S-GC*
Surrogate: Toluene-d8		*111 %*	*85.5-116*		"	"	"	"	

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Ardent Environmental Group, Inc.	Project: 761 Terminal Street	
1141 Pomona Road, Suite E	Project Number: 100417001	**Reported:**
Corona CA, 92882	Project Manager: Paul Roberts	02/06/13 17:08

SG-19S
T130184-19 (Soil)

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Extractable Petroleum Hydrocarbons by 8015C									
C10-C12	ND	10	mg/kg	1	3013025	01/30/13	02/06/13	EPA 8015C	
C13-22	ND	10	"	"	"	"	"	"	
C23-C32	ND	10	"	"	"	"	"	"	
Surrogate: p-Terphenyl		*69.5 %*	*65-135*		"	"	"	"	
Polynuclear Aromatic Compounds by GC/MS with Selected Ion Monitoring									
Acenaphthene	ND	10	ug/kg	1	3020517	02/05/13	02/06/13	EPA 8270C SIM	
Acenaphthylene	ND	5.0	"	"	"	"	"	"	
Anthracene	ND	5.0	"	"	"	"	"	"	
Benzo (a) anthracene	ND	5.0	"	"	"	"	"	"	
Benzo (b) fluoranthene	ND	10	"	"	"	"	"	"	
Benzo (k) fluoranthene	ND	10	"	"	"	"	"	"	
Benzo (g,h,i) perylene	ND	5.0	"	"	"	"	"	"	
Benzo (a) pyrene	ND	10	"	"	"	"	"	"	
Chrysene	ND	5.0	"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	5.0	"	"	"	"	"	"	
Fluoranthene	ND	5.0	"	"	"	"	"	"	
Fluorene	ND	10	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	5.0	"	"	"	"	"	"	
Naphthalene	ND	5.0	"	"	"	"	"	"	
Phenanthrene	ND	5.0	"	"	"	"	"	"	
Pyrene	ND	10	"	"	"	"	"	"	
Surrogate: Terphenyl-d14		*79.8 %*	*18-137*		"	"	"	"	

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1141 Pomona Road, Suite E	Project Number: 100417001	**Reported:**
Corona CA, 92882	Project Manager: Paul Roberts	02/06/13 17:08

SG-23S
T130184-23 (Soil)

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Extractable Petroleum Hydrocarbons by 8015C									
C10-C12	ND	10	mg/kg	1	3013025	01/30/13	02/06/13	EPA 8015C	
C13-22	ND	10	"	"	"	"	"	"	
C23-C32	ND	10	"	"	"	"	"	"	
Surrogate: p-Terphenyl		*68.3 %*	*65-135*		"	"	"	"	
Volatile Organic Compounds by EPA Method 8260B									
Bromobenzene	ND	5.0	ug/kg	1	3013030	01/30/13	01/31/13	EPA 8260B	
Bromochloromethane	ND	5.0	"	"	"	"	"	"	
Bromodichloromethane	ND	5.0	"	"	"	"	"	"	
Bromoform	ND	5.0	"	"	"	"	"	"	
Bromomethane	ND	5.0	"	"	"	"	"	"	
n-Butylbenzene	ND	5.0	"	"	"	"	"	"	
sec-Butylbenzene	ND	5.0	"	"	"	"	"	"	
tert-Butylbenzene	ND	5.0	"	"	"	"	"	"	
Carbon tetrachloride	ND	5.0	"	"	"	"	"	"	
Chlorobenzene	ND	5.0	"	"	"	"	"	"	
Chloroethane	ND	5.0	"	"	"	"	"	"	
Chloroform	ND	5.0	"	"	"	"	"	"	
Chloromethane	ND	5.0	"	"	"	"	"	"	
2-Chlorotoluene	ND	5.0	"	"	"	"	"	"	
4-Chlorotoluene	ND	5.0	"	"	"	"	"	"	
Dibromochloromethane	ND	5.0	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	5.0	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	5.0	"	"	"	"	"	"	
Dibromomethane	ND	5.0	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloroethane	ND	5.0	"	"	"	"	"	"	
1,2-Dichloroethane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloroethene	ND	5.0	"	"	"	"	"	"	

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SG-23S

T130184-23 (Soil)

SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
cis-1,2-Dichloroethene	ND	5.0	ug/kg	1	3013030	01/30/13	01/31/13	EPA 8260B	
trans-1,2-Dichloroethene	ND	5.0	"	"	"	"	"	"	
1,2-Dichloropropane	ND	5.0	"	"	"	"	"	"	
1,3-Dichloropropane	ND	5.0	"	"	"	"	"	"	
2,2-Dichloropropane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloropropene	ND	5.0	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	5.0	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	5.0	"	"	"	"	"	"	
Hexachlorobutadiene	ND	5.0	"	"	"	"	"	"	
Isopropylbenzene	ND	5.0	"	"	"	"	"	"	
p-Isopropyltoluene	ND	5.0	"	"	"	"	"	"	
Methylene chloride	ND	5.0	"	"	"	"	"	"	
Naphthalene	ND	5.0	"	"	"	"	"	"	
n-Propylbenzene	ND	5.0	"	"	"	"	"	"	
Styrene	ND	5.0	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	5.0	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	5.0	"	"	"	"	"	"	
Tetrachloroethene	ND	5.0	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	5.0	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	5.0	"	"	"	"	"	"	
Trichloroethene	ND	5.0	"	"	"	"	"	"	
Trichlorofluoromethane	ND	5.0	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	5.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
Vinyl chloride	ND	5.0	"	"	"	"	"	"	
Benzene	ND	5.0	"	"	"	"	"	"	
Toluene	ND	5.0	"	"	"	"	"	"	
Ethylbenzene	ND	5.0	"	"	"	"	"	"	
m,p-Xylene	ND	5.0	"	"	"	"	"	"	

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1141 Pomona Road, Suite E	Project Number: 100417001	**Reported:**
Corona CA, 92882	Project Manager: Paul Roberts	02/06/13 17:08

SG-23S

T130184-23 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SunStar Laboratories, Inc.									
Volatile Organic Compounds by EPA Method 8260B									
o-Xylene	ND	5.0	ug/kg	1	3013030	01/30/13	01/31/13	EPA 8260B	
Surrogate: 4-Bromofluorobenzene		*111 %*	*81.2-123*		"	"	"	"	
Surrogate: Dibromofluoromethane		*83.2 %*	*95.7-135*		"	"	"	"	*S-GC*
Surrogate: Toluene-d8		*106 %*	*85.5-116*		"	"	"	"	

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1141 Pomona Road, Suite E	Project Number: 100417001	**Reported:**
Corona CA, 92882	Project Manager: Paul Roberts	02/06/13 17:08

Extractable Petroleum Hydrocarbons by 8015C - Quality Control

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 3013025 - EPA 3550B GC										
Blank (3013025-BLK1)				Prepared: 01/30/13 Analyzed: 02/06/13						
C10-C12	ND	10	mg/kg							
C13-22	ND	10	"							
C23-C32	ND	10	"							
Surrogate: p-Terphenyl	*67.2*		"	*100*		*67.2*	*65-135*			
LCS (3013025-BS1)				Prepared: 01/30/13 Analyzed: 02/06/13						
C13-22	450	10	mg/kg				75-125			
Surrogate: p-Terphenyl	*65.7*		"	*100*		*65.7*	*65-135*			
Matrix Spike (3013025-MS1)	**Source: T130184-01**			Prepared: 01/30/13 Analyzed: 02/06/13						
C13-22	530	10	mg/kg		ND		75-125			
Surrogate: p-Terphenyl	*82.1*		"	*100*		*82.1*	*65-135*			
Matrix Spike Dup (3013025-MSD1)	**Source: T130184-01**			Prepared: 01/30/13 Analyzed: 02/06/13						
C13-22	470	10	mg/kg		ND		75-125	11.9	20	
Surrogate: p-Terphenyl	*76.6*		"	*100*		*76.6*	*65-135*			

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1141 Pomona Road, Suite E	Project Number: 100417001	**Reported:**
Corona CA, 92882	Project Manager: Paul Roberts	02/06/13 17:08

Metals by EPA 6010B - Quality Control

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 3013107 - EPA 3051										
Blank (3013107-BLK1)				Prepared: 01/31/13 Analyzed: 02/04/13						
Antimony	ND	3.0	mg/kg							
Silver	ND	2.0	"							
Arsenic	ND	5.0	"							
Barium	ND	1.0	"							
Beryllium	ND	1.0	"							
Cadmium	ND	2.0	"							
Chromium	ND	2.0	"							
Cobalt	ND	2.0	"							
Copper	ND	1.0	"							
Lead	ND	3.0	"							
Molybdenum	ND	5.0	"							
Nickel	ND	2.0	"							
Selenium	ND	5.0	"							
Thallium	ND	2.0	"							
Vanadium	ND	5.0	"							
Zinc	ND	1.0	"							
LCS (3013107-BS1)				Prepared: 01/31/13 Analyzed: 02/04/13						
Arsenic	96.1	5.0	mg/kg	100		96.1	75-125			
Barium	98.6	1.0	"	100		98.6	75-125			
Cadmium	98.1	2.0	"	100		98.1	75-125			
Chromium	103	2.0	"	100		103	75-125			
Lead	99.5	3.0	"	100		99.5	75-125			
Matrix Spike (3013107-MS1)	**Source: T130184-18**			Prepared: 01/31/13 Analyzed: 02/04/13						
Arsenic	87.4	5.0	mg/kg	100	0.689	86.7	75-125			
Barium	149	1.0	"	100	66.0	83.0	75-125			
Cadmium	87.9	2.0	"	100	ND	87.9	75-125			
Chromium	91.3	2.0	"	100	6.66	84.7	75-125			
Lead	92.9	3.0	"	100	0.078	92.9	75-125			

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Corona CA, 92882	Project Manager: Paul Roberts	02/06/13 17:08

Metals by EPA 6010B - Quality Control

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 3013107 - EPA 3051										
Matrix Spike Dup (3013107-MSD1)	**Source: T130184-18**			Prepared: 01/31/13 Analyzed: 02/04/13						
Arsenic	91.7	5.0	mg/kg	100	0.689	91.0	75-125	4.85	20	
Barium	162	1.0	"	100	66.0	96.1	75-125	8.45	20	
Cadmium	92.6	2.0	"	100	ND	92.6	75-125	5.14	20	
Chromium	105	2.0	"	100	6.66	97.8	75-125	13.4	20	
Lead	94.8	3.0	"	100	0.078	94.7	75-125	2.01	20	

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1141 Pomona Road, Suite E	Project Number: 100417001	**Reported:**
Corona CA, 92882	Project Manager: Paul Roberts	02/06/13 17:08

Cold Vapor Extraction EPA 7470/7471 - Quality Control

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 3013106 - EPA 7471A Soil										
Blank (3013106-BLK1)				Prepared: 01/31/13 Analyzed: 02/04/13						
Mercury	ND	0.10	mg/kg							
LCS (3013106-BS1)				Prepared: 01/31/13 Analyzed: 02/04/13						
Mercury	0.414	0.10	mg/kg	0.417		99.3	80-120			
Matrix Spike (3013106-MS1)	**Source: T130184-09**			Prepared: 01/31/13 Analyzed: 02/04/13						
Mercury	0.382	0.10	mg/kg	0.417	ND	91.6	75-125			
Matrix Spike Dup (3013106-MSD1)	**Source: T130184-09**			Prepared: 01/31/13 Analyzed: 02/04/13						
Mercury	0.385	0.10	mg/kg	0.417	ND	92.4	75-125	0.843	20	

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Corona CA, 92882	Project Manager: Paul Roberts	02/06/13 17:08

Polychlorinated Biphenyls by EPA Method 8082 - Quality Control

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 3013112 - EPA 3550 ECD/GCMS										
Blank (3013112-BLK1)				Prepared: 01/31/13 Analyzed: 02/05/13						
PCB-1016	ND	10	ug/kg							
PCB-1221	ND	10	"							
PCB-1232	ND	10	"							
PCB-1242	ND	10	"							
PCB-1248	ND	10	"							
PCB-1254	ND	10	"							
PCB-1260	ND	10	"							
Surrogate: Tetrachloro-meta-xylene	*7.61*		"	*10.0*		*76.1*	*35-140*			
LCS (3013112-BS1)				Prepared: 01/31/13 Analyzed: 02/05/13						
PCB-1016	67.6	10	ug/kg	100		67.6	40-130			
PCB-1260	71.6	10	"	100		71.6	40-130			
Surrogate: Tetrachloro-meta-xylene	*7.18*		"	*10.0*		*71.8*	*35-140*			
Matrix Spike (3013112-MS1)	**Source: T130180-27**			Prepared: 01/31/13 Analyzed: 02/05/13						
PCB-1016	65.7	10	ug/kg	100	ND	65.7	40-130			
PCB-1260	75.8	10	"	100	ND	75.8	40-130			
Surrogate: Tetrachloro-meta-xylene	*6.56*		"	*10.0*		*65.6*	*35-140*			
Matrix Spike Dup (3013112-MSD1)	**Source: T130180-27**			Prepared: 01/31/13 Analyzed: 02/05/13						
PCB-1016	49.7	10	ug/kg	100	ND	49.7	40-130	27.7	30	
PCB-1260	64.3	10	"	100	ND	64.3	40-130	16.5	30	
Surrogate: Tetrachloro-meta-xylene	*5.63*		"	*10.0*		*56.3*	*35-140*			

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Volatile Organic Compounds by EPA Method 8260B - Quality Control

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 3013030 - EPA 5030 GCMS										
Blank (3013030-BLK1)				Prepared: 01/30/13 Analyzed: 01/31/13						
Bromobenzene	ND	5.0	ug/kg							
Bromochloromethane	ND	5.0	"							
Bromodichloromethane	ND	5.0	"							
Bromoform	ND	5.0	"							
Bromomethane	ND	5.0	"							
n-Butylbenzene	ND	5.0	"							
sec-Butylbenzene	ND	5.0	"							
tert-Butylbenzene	ND	5.0	"							
Carbon tetrachloride	ND	5.0	"							
Chlorobenzene	ND	5.0	"							
Chloroethane	ND	5.0	"							
Chloroform	ND	5.0	"							
Chloromethane	ND	5.0	"							
2-Chlorotoluene	ND	5.0	"							
4-Chlorotoluene	ND	5.0	"							
Dibromochloromethane	ND	5.0	"							
1,2-Dibromo-3-chloropropane	ND	5.0	"							
1,2-Dibromoethane (EDB)	ND	5.0	"							
Dibromomethane	ND	5.0	"							
1,2-Dichlorobenzene	ND	5.0	"							
1,3-Dichlorobenzene	ND	5.0	"							
1,4-Dichlorobenzene	ND	5.0	"							
Dichlorodifluoromethane	ND	5.0	"							
1,1-Dichloroethane	ND	5.0	"							
1,2-Dichloroethane	ND	5.0	"							
1,1-Dichloroethene	ND	5.0	"							
cis-1,2-Dichloroethene	ND	5.0	"							
trans-1,2-Dichloroethene	ND	5.0	"							
1,2-Dichloropropane	ND	5.0	"							
1,3-Dichloropropane	ND	5.0	"							
2,2-Dichloropropane	ND	5.0	"							
1,1-Dichloropropene	ND	5.0	"							
cis-1,3-Dichloropropene	ND	5.0	"							
trans-1,3-Dichloropropene	ND	5.0	"							
Hexachlorobutadiene	ND	5.0	"							
Isopropylbenzene	ND	5.0	"							

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Daniel Chavez, Project Manager

SunStar Laboratories, Inc.
Providing Quality Analytical Services Nationwide

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Lake Forest, California 92630
949.297.5020 Phone
949.297.5027 Fax

Ardent Environmental Group, Inc.	Project: 761 Terminal Street	
1141 Pomona Road, Suite E	Project Number: 100417001	**Reported:**
Corona CA, 92882	Project Manager: Paul Roberts	02/06/13 17:08

Volatile Organic Compounds by EPA Method 8260B - Quality Control

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 3013030 - EPA 5030 GCMS										
Blank (3013030-BLK1)				Prepared: 01/30/13 Analyzed: 01/31/13						
p-Isopropyltoluene	ND	5.0	ug/kg							
Methylene chloride	ND	5.0	"							
Naphthalene	ND	5.0	"							
n-Propylbenzene	ND	5.0	"							
Styrene	ND	5.0	"							
1,1,2,2-Tetrachloroethane	ND	5.0	"							
1,1,1,2-Tetrachloroethane	ND	5.0	"							
Tetrachloroethene	ND	5.0	"							
1,2,3-Trichlorobenzene	ND	5.0	"							
1,2,4-Trichlorobenzene	ND	5.0	"							
1,1,2-Trichloroethane	ND	5.0	"							
1,1,1-Trichloroethane	ND	5.0	"							
Trichloroethene	ND	5.0	"							
Trichlorofluoromethane	ND	5.0	"							
1,2,3-Trichloropropane	ND	5.0	"							
1,3,5-Trimethylbenzene	ND	5.0	"							
1,2,4-Trimethylbenzene	ND	5.0	"							
Vinyl chloride	ND	5.0	"							
Benzene	ND	5.0	"							
Toluene	ND	5.0	"							
Ethylbenzene	ND	5.0	"							
m,p-Xylene	ND	5.0	"							
o-Xylene	ND	5.0	"							
Surrogate: 4-Bromofluorobenzene	*46.4*		"	*40.0*		*116*	*81.2-123*			
Surrogate: Dibromofluoromethane	*33.7*		"	*40.0*		*84.2*	*95.7-135*			*S-GC*
Surrogate: Toluene-d8	*41.4*		"	*40.0*		*104*	*85.5-116*			
LCS (3013030-BS1)				Prepared: 01/30/13 Analyzed: 01/31/13						
Chlorobenzene	91.6	5.0	ug/kg	100		91.6	75-125			
1,1-Dichloroethene	91.9	5.0	"	100		91.9	75-125			
Trichloroethene	77.5	5.0	"	100		77.5	75-125			
Benzene	90.0	5.0	"	100		90.0	75-125			
Toluene	77.8	5.0	"	100		77.8	75-125			
Surrogate: 4-Bromofluorobenzene	*46.8*		"	*40.0*		*117*	*81.2-123*			
Surrogate: Dibromofluoromethane	*36.6*		"	*40.0*		*91.4*	*95.7-135*			*S-GC*
Surrogate: Toluene-d8	*40.9*		"	*40.0*		*102*	*85.5-116*			

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Ardent Environmental Group, Inc.	Project: 761 Terminal Street	
1141 Pomona Road, Suite E	Project Number: 100417001	**Reported:**
Corona CA, 92882	Project Manager: Paul Roberts	02/06/13 17:08

Volatile Organic Compounds by EPA Method 8260B - Quality Control

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 3013030 - EPA 5030 GCMS										
Matrix Spike (3013030-MS1)	**Source: T130184-18**			Prepared: 01/30/13		Analyzed: 01/31/13				
Chlorobenzene	98.4	5.0	ug/kg	100	ND	98.4	75-125			
1,1-Dichloroethene	105	5.0	"	100	ND	105	75-125			
Trichloroethene	89.0	5.0	"	100	ND	89.0	75-125			
Benzene	94.7	5.0	"	100	ND	94.7	75-125			
Toluene	83.2	5.0	"	100	ND	83.2	75-125			
Surrogate: 4-Bromofluorobenzene	*44.8*		"	*40.0*		*112*	*81.2-123*			
Surrogate: Dibromofluoromethane	*32.7*		"	*40.0*		*81.8*	*95.7-135*			*S-GC*
Surrogate: Toluene-d8	*40.5*		"	*40.0*		*101*	*85.5-116*			
Matrix Spike Dup (3013030-MSD1)	**Source: T130184-18**			Prepared: 01/30/13		Analyzed: 01/31/13				
Chlorobenzene	97.0	5.0	ug/kg	100	ND	97.0	75-125	1.38	20	
1,1-Dichloroethene	90.0	5.0	"	100	ND	90.0	75-125	15.0	20	
Trichloroethene	85.0	5.0	"	100	ND	85.0	75-125	4.48	20	
Benzene	92.3	5.0	"	100	ND	92.3	75-125	2.57	20	
Toluene	87.7	5.0	"	100	ND	87.7	75-125	5.33	20	
Surrogate: 4-Bromofluorobenzene	*44.0*		"	*40.0*		*110*	*81.2-123*			
Surrogate: Dibromofluoromethane	*32.3*		"	*40.0*		*80.8*	*95.7-135*			*S-GC*
Surrogate: Toluene-d8	*43.0*		"	*40.0*		*108*	*85.5-116*			

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Ardent Environmental Group, Inc.	Project: 761 Terminal Street	
1141 Pomona Road, Suite E	Project Number: 100417001	**Reported:**
Corona CA, 92882	Project Manager: Paul Roberts	02/06/13 17:08

Polynuclear Aromatic Compounds by GC/MS with Selected Ion Monitoring - Quality Control

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 3020517 - EPA 3550 ECD/GCMS										
Blank (3020517-BLK1)				Prepared: 02/05/13 Analyzed: 02/06/13						
Acenaphthene	ND	10	ug/kg							
Acenaphthylene	ND	5.0	"							
Anthracene	ND	5.0	"							
Benzo (a) anthracene	ND	5.0	"							
Benzo (b) fluoranthene	ND	10	"							
Benzo (k) fluoranthene	ND	10	"							
Benzo (g,h,i) perylene	ND	5.0	"							
Benzo (a) pyrene	ND	10	"							
Chrysene	ND	5.0	"							
Dibenz (a,h) anthracene	ND	5.0	"							
Fluoranthene	ND	5.0	"							
Fluorene	ND	10	"							
Indeno (1,2,3-cd) pyrene	ND	5.0	"							
Naphthalene	ND	5.0	"							
Phenanthrene	ND	5.0	"							
Pyrene	ND	10	"							
Surrogate: Terphenyl-dl4	*1640*		"	*1670*		*98.3*	*18-137*			
LCS (3020517-BS1)				Prepared: 02/05/13 Analyzed: 02/06/13						
Acenaphthene	1130	10	ug/kg	1670		67.6	46-118			
Pyrene	1570	10	"	1670		94.2	26-142			
Surrogate: Terphenyl-dl4	*1720*		"	*1670*		*103*	*18-137*			
LCS Dup (3020517-BSD1)				Prepared: 02/05/13 Analyzed: 02/06/13						
Acenaphthene	1180	10	ug/kg	1670		70.6	46-118	4.43	31	
Pyrene	1460	10	"	1670		87.8	26-142	7.12	31	
Surrogate: Terphenyl-dl4	*1690*		"	*1670*		*102*	*18-137*			

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Ardent Environmental Group, Inc.	Project: 761 Terminal Street	
1141 Pomona Road, Suite E	Project Number: 100417001	**Reported:**
Corona CA, 92882	Project Manager: Paul Roberts	02/06/13 17:08

Notes and Definitions

S-GC	Surrogate recovery outside of established control limits. The data was accepted based on valid recovery of the remaining surrogate(s).
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference

SunStar Laboratories, Inc.

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Daniel Chavez, Project Manager

SunStar Laboratories, Inc.
25712 Commercentre Dr
Lake Forest, CA 92630
949-297-5020

Chain of Custody Record

Client: Ardent Environmental Group
Address: 1141 Ponoma Road, Suite E
Phone: 951-736-5334 Fax: 951-736-7560
Project Manager: Paul Roberts

Date: 1/30/13 Page: 1 Of 2
Project Name: 761 Terminal Street
Collector: KT Client Project #: 100417001
Batch #: T130184 EDF #:

Sample ID	Date Sampled	Time	Sample Type	Container Type	8260 B	8260 + OXY	8260 BTEX, OXY only	8270	8021 BTEX	8015M (gasoline)	8015M (diesel)	8015M Ext./Carbon Chain	6010/7000 Title 22 Metals	X 8015 TPHx C6 - C32	X 8082 PCBs		Hold	Laboratory ID #	Comments/Preservative	Total # of containers
SG-1s	1/29/13		Soil	sleeve										X	X			01		1
SG-2s																	X	02		1
SG-3s																	X	03		1
SG-4s					X									X				04		1
SG-5s					X									X				05		1
-6s																	X	06		1
-7s																	X	07		1
-8s																	X	08		1
-9s													X	X				09		1
-10s																	X	10		1
-11s																	X	11		1
-12s																	X	12		1
-13s																	X	13		1
-14s																	X	14		1
-15s																	X	15		1

Relinquished by: (signature)	Date / Time	Received by: (signature)	Date / Time
[signature]	1/30/13 10:30	[signature]	1/30/13 1030
Relinquished by: (signature)	Date / Time	Received by: (signature)	Date / Time
Relinquished by: (signature)	Date / Time	Received by: (signature)	Date / Time

Total # of containers	15
Chain of Custody seals Y/N/NA	N
Seals intact? Y/N/NA	N/A
Received good condition/cold	Y

Turn around time: STD

Notes
Invoice HMC
Hazard Management Consulting
4.6 Email results to
Ktomita@ardentenv.com

Sample disposal Instructions: Disposal @ $2.00 each ___ Return to client ___ Pickup ___

SunStar Laboratories, Inc.
25712 Commercentre Dr
Lake Forest, CA 92630
949-297-5020

Chain of Custody Record

Client: Ardent Environmental
Address: 1141 Pomona Road, Suite E
Phone: 951-736-5334 Fax: 951-736-7560
Project Manager: Paul Roberts

Date: 1/30/13 Page: 2 Of 2
Project Name: 761 Terminal Street
Collector: KT Client Project #: 100417001
Batch #: T130184 EDF #:

Sample ID	Date Sampled	Time	Sample Type	Container Type	8260 B	8260 + OXY	8260 BTEX, OXY only	8270	8021 BTEX	8015M (gasoline)	8015M (diesel)	8015M Ext./Carbon Chain	6010/7000 Title 22 Metals	8015 TPH$_{ex}$ C_{10}-C_{32}	8082 PCBs	8270 PAH	Hold	Laboratory ID #	Comments/Preservative	Total # of containers
SG-16s	1/29/13		soil	sleeve	X									X	X			16		1
SG-17s	1/30/13				X								X	X				17		1
-18s					X								X	X				18		1
-19s														X		X		19		1
-20s																	X	20		1
-21s																	X	21		1
-22s																	X	22		1
-23s					X									X				23		1
-24s																	X	24		1

Relinquished by: (signature)	Date / Time	Received by: (signature)	Date / Time
	1/30/13 10:30		1/30/13 1630
Relinquished by: (signature)	Date / Time	Received by: (signature)	Date / Time
Relinquished by: (signature)	Date / Time	Received by: (signature)	Date / Time

Total # of containers	9
Chain of Custody seals Y/N/NA	N
Seals Intact? Y/N/NA	N/A
Received good condition/cold	Y

Turn around time: STD

Notes
Invoice HMC
Hazard Management Consulting
4.6° email results to
ktomita@ardentenv.com

Sample disposal Instructions: Disposal @ $2.00 each ____ Return to client ____ Pickup ____

COC 112218

SunStar Laboratories, Inc.
Providing Quality Analytical Services Nationwide

SAMPLE RECEIVING REVIEW SHEET

BATCH # T130184

Client Name: Ardent Project: 761 Terminal Street

Received by: Dan M Date/Time Received: 1/30/13 1030

Delivered by : ☐ Client ☐ SunStar Courier ☐ GSO ☐ FedEx ☐ Other _____

Total number of coolers received _____ **Temp criteria = 6°C > 0°C (no frozen containers)**

Temperature: cooler #1 _____°C +/- the CF (- 0.2°C) = _____°C corrected temperature

cooler #2 _____°C +/- the CF (- 0.2°C) = _____°C corrected temperature

cooler #3 _____°C +/- the CF (- 0.2°C) = _____°C corrected temperature

Samples outside temp. but received on ice, w/in 6 hours of final sampling.	☒Yes	☐No*	☐N/A
Custody Seals Intact on Cooler/Sample	☐Yes	☐No*	☒N/A
Sample Containers Intact	☒Yes	☐No*	
Sample labels match COC ID's	☒Yes	☐No*	
Total number of containers received match COC	☒Yes	☐No*	
Proper containers received for analyses requested on COC	☒Yes	☐No*	
Proper preservative indicated on COC/containers for analyses requested	☐Yes	☐No*	☒N/A

Complete shipment received in good condition with correct temperatures, containers, labels, volumes preservatives and within method specified holding times. ☒ **Yes** ☐ **No***

* Complete Non-Conformance Receiving Sheet if checked Cooler/Sample Review - Initials and date 1/30/13

Comments:

_____

_____

_____

_____

SunStar Laboratories, Inc.
PROVIDING QUALITY ANALYTICAL SERVICES NATIONWIDE

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08 February 2013

Paul Roberts
Ardent Enviromental Group, Inc.
1141 Pomona Road, Suite E
Corona, CA 92882
RE: 761 Terminal Street

Enclosed are the results of analyses for samples received by the laboratory on 01/30/13 10:30. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Daniel J Chávez

Daniel Chavez
Project Manager

SunStar Laboratories, Inc.
Providing Quality Analytical Services Nationwide

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Ardent Environmental Group, Inc.	Project: 761 Terminal Street	
1141 Pomona Road, Suite E	Project Number: 100417001	**Reported:**
Corona CA, 92882	Project Manager: Paul Roberts	02/08/13 09:18

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SG-2S	T130184-02	Soil	01/29/13 00:00	01/30/13 10:30

SunStar Laboratories, Inc.

Daniel J Chávez

Daniel Chavez, Project Manager

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Ardent Environmental Group, Inc.	Project: 761 Terminal Street	
1141 Pomona Road, Suite E	Project Number: 100417001	**Reported:**
Corona CA, 92882	Project Manager: Paul Roberts	02/08/13 09:18

SG-2S

T130184-02 (Soil)

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Extractable Petroleum Hydrocarbons by 8015C									
C10-C12	ND	10	mg/kg	1	3020703	02/07/13	02/07/13	EPA 8015C	
C13-22	ND	10	"	"	"	"	"	"	
C23-C32	ND	10	"	"	"	"	"	"	
Surrogate: p-Terphenyl		*89.5 %*	*65-135*		"	"	"	"	
Volatile Organic Compounds by EPA Method 8260B									
Bromobenzene	ND	5.0	ug/kg	1	3020708	02/07/13	02/07/13	EPA 8260B	
Bromochloromethane	ND	5.0	"	"	"	"	"	"	
Bromodichloromethane	ND	5.0	"	"	"	"	"	"	
Bromoform	ND	5.0	"	"	"	"	"	"	
Bromomethane	ND	5.0	"	"	"	"	"	"	
n-Butylbenzene	ND	5.0	"	"	"	"	"	"	
sec-Butylbenzene	ND	5.0	"	"	"	"	"	"	
tert-Butylbenzene	ND	5.0	"	"	"	"	"	"	
Carbon tetrachloride	ND	5.0	"	"	"	"	"	"	
Chlorobenzene	ND	5.0	"	"	"	"	"	"	
Chloroethane	ND	5.0	"	"	"	"	"	"	
Chloroform	ND	5.0	"	"	"	"	"	"	
Chloromethane	ND	5.0	"	"	"	"	"	"	
2-Chlorotoluene	ND	5.0	"	"	"	"	"	"	
4-Chlorotoluene	ND	5.0	"	"	"	"	"	"	
Dibromochloromethane	ND	5.0	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	5.0	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	5.0	"	"	"	"	"	"	
Dibromomethane	ND	5.0	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloroethane	ND	5.0	"	"	"	"	"	"	
1,2-Dichloroethane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloroethene	ND	5.0	"	"	"	"	"	"	

SunStar Laboratories, Inc.

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Daniel Chavez, Project Manager

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Ardent Environmental Group, Inc.	Project: 761 Terminal Street	
1141 Pomona Road, Suite E	Project Number: 100417001	**Reported:**
Corona CA, 92882	Project Manager: Paul Roberts	02/08/13 09:18

SG-2S

T130184-02 (Soil)

SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
cis-1,2-Dichloroethene	ND	5.0	ug/kg	1	3020708	02/07/13	02/07/13	EPA 8260B	
trans-1,2-Dichloroethene	ND	5.0	"	"	"	"	"	"	
1,2-Dichloropropane	ND	5.0	"	"	"	"	"	"	
1,3-Dichloropropane	ND	5.0	"	"	"	"	"	"	
2,2-Dichloropropane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloropropene	ND	5.0	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	5.0	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	5.0	"	"	"	"	"	"	
Hexachlorobutadiene	ND	5.0	"	"	"	"	"	"	
Isopropylbenzene	ND	5.0	"	"	"	"	"	"	
p-Isopropyltoluene	ND	5.0	"	"	"	"	"	"	
Methylene chloride	ND	5.0	"	"	"	"	"	"	
Naphthalene	ND	5.0	"	"	"	"	"	"	
n-Propylbenzene	ND	5.0	"	"	"	"	"	"	
Styrene	ND	5.0	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	5.0	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	5.0	"	"	"	"	"	"	
Tetrachloroethene	ND	5.0	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	5.0	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	5.0	"	"	"	"	"	"	
Trichloroethene	ND	5.0	"	"	"	"	"	"	
Trichlorofluoromethane	ND	5.0	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	5.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
Vinyl chloride	ND	5.0	"	"	"	"	"	"	
Benzene	ND	5.0	"	"	"	"	"	"	
Toluene	ND	5.0	"	"	"	"	"	"	
Ethylbenzene	ND	5.0	"	"	"	"	"	"	
m,p-Xylene	ND	5.0	"	"	"	"	"	"	

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Ardent Environental Group, Inc.	Project: 761 Terminal Street	
1141 Pomona Road, Suite E	Project Number: 100417001	**Reported:**
Corona CA, 92882	Project Manager: Paul Roberts	02/08/13 09:18

SG-2S

T130184-02 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SunStar Laboratories, Inc.									
Volatile Organic Compounds by EPA Method 8260B									
o-Xylene	ND	5.0	ug/kg	1	3020708	02/07/13	02/07/13	EPA 8260B	
Surrogate: 4-Bromofluorobenzene		*88.8 %*	*81.2-123*		"	"	"	"	
Surrogate: Dibromofluoromethane		*98.8 %*	*95.7-135*		"	"	"	"	
Surrogate: Toluene-d8		*100 %*	*85.5-116*		"	"	"	"	

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Ardent Environmental Group, Inc.	Project: 761 Terminal Street	
1141 Pomona Road, Suite E	Project Number: 100417001	**Reported:**
Corona CA, 92882	Project Manager: Paul Roberts	02/08/13 09:18

Extractable Petroleum Hydrocarbons by 8015C - Quality Control

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 3020703 - EPA 3550B GC										
Blank (3020703-BLK1)				Prepared & Analyzed: 02/07/13						
C10-C12	ND	10	mg/kg							
C13-22	ND	10	"							
C23-C32	ND	10	"							
Surrogate: p-Terphenyl	*88.6*		"	*100*		*88.6*	*65-135*			
LCS (3020703-BS1)				Prepared & Analyzed: 02/07/13						
C13-22	ND	10	mg/kg				75-125			
Surrogate: p-Terphenyl	*77.0*		"	*100*		*77.0*	*65-135*			
LCS Dup (3020703-BSD1)				Prepared & Analyzed: 02/07/13						
C13-22	ND	10	mg/kg				75-125		20	
Surrogate: p-Terphenyl	*86.5*		"	*100*		*86.5*	*65-135*			

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Ardent Environmental Group, Inc.	Project: 761 Terminal Street	
1141 Pomona Road, Suite E	Project Number: 100417001	**Reported:**
Corona CA, 92882	Project Manager: Paul Roberts	02/08/13 09:18

Volatile Organic Compounds by EPA Method 8260B - Quality Control

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 3020708 - EPA 5030 GCMS										
Blank (3020708-BLK1)				Prepared & Analyzed: 02/07/13						
Bromobenzene	ND	5.0	ug/kg							
Bromochloromethane	ND	5.0	"							
Bromodichloromethane	ND	5.0	"							
Bromoform	ND	5.0	"							
Bromomethane	ND	5.0	"							
n-Butylbenzene	ND	5.0	"							
sec-Butylbenzene	ND	5.0	"							
tert-Butylbenzene	ND	5.0	"							
Carbon tetrachloride	ND	5.0	"							
Chlorobenzene	ND	5.0	"							
Chloroethane	ND	5.0	"							
Chloroform	ND	5.0	"							
Chloromethane	ND	5.0	"							
2-Chlorotoluene	ND	5.0	"							
4-Chlorotoluene	ND	5.0	"							
Dibromochloromethane	ND	5.0	"							
1,2-Dibromo-3-chloropropane	ND	5.0	"							
1,2-Dibromoethane (EDB)	ND	5.0	"							
Dibromomethane	ND	5.0	"							
1,2-Dichlorobenzene	ND	5.0	"							
1,3-Dichlorobenzene	ND	5.0	"							
1,4-Dichlorobenzene	ND	5.0	"							
Dichlorodifluoromethane	ND	5.0	"							
1,1-Dichloroethane	ND	5.0	"							
1,2-Dichloroethane	ND	5.0	"							
1,1-Dichloroethene	ND	5.0	"							
cis-1,2-Dichloroethene	ND	5.0	"							
trans-1,2-Dichloroethene	ND	5.0	"							
1,2-Dichloropropane	ND	5.0	"							
1,3-Dichloropropane	ND	5.0	"							
2,2-Dichloropropane	ND	5.0	"							
1,1-Dichloropropene	ND	5.0	"							
cis-1,3-Dichloropropene	ND	5.0	"							
trans-1,3-Dichloropropene	ND	5.0	"							
Hexachlorobutadiene	ND	5.0	"							
Isopropylbenzene	ND	5.0	"							

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Ardent Environmental Group, Inc.	Project: 761 Terminal Street	
1141 Pomona Road, Suite E	Project Number: 100417001	**Reported:**
Corona CA, 92882	Project Manager: Paul Roberts	02/08/13 09:18

Volatile Organic Compounds by EPA Method 8260B - Quality Control

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 3020708 - EPA 5030 GCMS										
Blank (3020708-BLK1)				Prepared & Analyzed: 02/07/13						
p-Isopropyltoluene	ND	5.0	ug/kg							
Methylene chloride	ND	5.0	"							
Naphthalene	ND	5.0	"							
n-Propylbenzene	ND	5.0	"							
Styrene	ND	5.0	"							
1,1,2,2-Tetrachloroethane	ND	5.0	"							
1,1,1,2-Tetrachloroethane	ND	5.0	"							
Tetrachloroethene	ND	5.0	"							
1,2,3-Trichlorobenzene	ND	5.0	"							
1,2,4-Trichlorobenzene	ND	5.0	"							
1,1,2-Trichloroethane	ND	5.0	"							
1,1,1-Trichloroethane	ND	5.0	"							
Trichloroethene	ND	5.0	"							
Trichlorofluoromethane	ND	5.0	"							
1,2,3-Trichloropropane	ND	5.0	"							
1,3,5-Trimethylbenzene	ND	5.0	"							
1,2,4-Trimethylbenzene	ND	5.0	"							
Vinyl chloride	ND	5.0	"							
Benzene	ND	5.0	"							
Toluene	ND	5.0	"							
Ethylbenzene	ND	5.0	"							
m,p-Xylene	ND	5.0	"							
o-Xylene	ND	5.0	"							
Surrogate: 4-Bromofluorobenzene	*39.7*		"	*40.0*		*99.2*	*81.2-123*			
Surrogate: Dibromofluoromethane	*40.2*		"	*40.0*		*101*	*95.7-135*			
Surrogate: Toluene-d8	*40.8*		"	*40.0*		*102*	*85.5-116*			
LCS (3020708-BS1)				Prepared & Analyzed: 02/07/13						
Chlorobenzene	94.6	5.0	ug/kg	100		94.6	75-125			
1,1-Dichloroethene	101	5.0	"	100		101	75-125			
Trichloroethene	95.2	5.0	"	100		95.2	75-125			
Benzene	96.2	5.0	"	100		96.2	75-125			
Toluene	97.6	5.0	"	100		97.6	75-125			
Surrogate: 4-Bromofluorobenzene	*43.3*		"	*40.0*		*108*	*81.2-123*			
Surrogate: Dibromofluoromethane	*41.0*		"	*40.0*		*102*	*95.7-135*			
Surrogate: Toluene-d8	*41.0*		"	*40.0*		*102*	*85.5-116*			

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Ardent Environmental Group, Inc.	Project: 761 Terminal Street	
1141 Pomona Road, Suite E	Project Number: 100417001	**Reported:**
Corona CA, 92882	Project Manager: Paul Roberts	02/08/13 09:18

Volatile Organic Compounds by EPA Method 8260B - Quality Control

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 3020708 - EPA 5030 GCMS										
LCS Dup (3020708-BSD1)				Prepared & Analyzed: 02/07/13						
Chlorobenzene	98.0	5.0	ug/kg	100		98.0	75-125	3.53	20	
1,1-Dichloroethene	102	5.0	"	100		102	75-125	0.148	20	
Trichloroethene	99.2	5.0	"	100		99.2	75-125	4.06	20	
Benzene	99.8	5.0	"	100		99.8	75-125	3.73	20	
Toluene	99.6	5.0	"	100		99.6	75-125	2.13	20	
Surrogate: 4-Bromofluorobenzene	*42.7*		"	*40.0*		*107*	*81.2-123*			
Surrogate: Dibromofluoromethane	*39.7*		"	*40.0*		*99.2*	*95.7-135*			
Surrogate: Toluene-d8	*40.4*		"	*40.0*		*101*	*85.5-116*			

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Ardent Environmental Group, Inc.	Project: 761 Terminal Street	
1141 Pomona Road, Suite E	Project Number: 100417001	**Reported:**
Corona CA, 92882	Project Manager: Paul Roberts	02/08/13 09:18

Notes and Definitions

DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference

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Lake Forest, CA 92630
949-297-5020

Chain of Custody Record

Client: Ardent Environmental Group
Address: 1141 Ponoma Road, Suite E
Phone: 951-736-5334 Fax: 951-736-7560
Project Manager: Paul Roberts

Date: 1/30/13 Page: 1 Of 2
Project Name: 761 Terminal Street
Collector: KT Client Project #: 100417001
Batch #: T130184 EDF #:

Sample ID	Date Sampled	Time	Sample Type	Container Type	8260 B	8260 + OXY	8260 BTEX, OXY only	8270	8021 BTEX	8015M (gasoline)	8015M (diesel)	8015M Ext./Carbon Chain	6010/7000 Title 22 Metals	X 8015 TPHx C6 - C32	X 8082 PCBs		Hold	Laboratory ID #	Comments/Preservative	Total # of containers
SG-1s	1/29/13		Soil	sleeve										X	X			01		1
SG-2s																	X	02		1
SG-3s																	X	03		1
SG-4s					X									X				04		1
SG-5s					X									X				05		1
-6s																	X	06		1
-7s																	X	07		1
-8s																	X	08		1
-9s													X	X				09		1
-10s																	X	10		1
-11s																	X	11		1
-12s																	X	12		1
-13s																	X	13		1
-14s																	X	14		1
-15s																	X	15		1

Relinquished by: (signature)	Date / Time	Received by: (signature)	Date / Time
[signature]	1/30/13 10:30	[signature]	1/30/13 1030
Relinquished by: (signature)	Date / Time	Received by: (signature)	Date / Time
Relinquished by: (signature)	Date / Time	Received by: (signature)	Date / Time

Total # of containers	15
Chain of Custody seals Y/N/NA	N
Seals intact? Y/N/NA	N/A
Received good condition/cold	Y

Turn around time: STD

Notes
Invoice HMC
Hazard Management Consulting
4.6 Email results to
Ktomita@ardentenv.com

Sample disposal Instructions: Disposal @ $2.00 each ___ Return to client ___ Pickup ___

SunStar Laboratories, Inc.
25712 Commercentre Dr
Lake Forest, CA 92630
949-297-5020

Chain of Custody Record

Client: Ardent Environmental
Address: 1141 Pomona Road, Suite E
Phone: 951-736-5334 Fax: 951-736-7560
Project Manager: Paul Roberts

Date: 1/30/13 Page: 2 Of 2
Project Name: 761 Terminal Street
Collector: KT Client Project #: 100417001
Batch #: T130184 EDF #:

Sample ID	Date Sampled	Time	Sample Type	Container Type	8260 B	8260 + OXY	8260 BTEX, OXY only	8270	8021 BTEX	8015M (gasoline)	8015M (diesel)	8015M Ext./Carbon Chain	6010/7000 Title 22 Metals	8015 TPH$_{ex}$ C_{10}-C_{32}	8082 PCBs	8270 PAH	Hold	Laboratory ID #	Comments/Preservative	Total # of containers
SG-16s	1/29/13		soil	sleeve	X									X	X			16		1
SG-17s	1/30/13				X								X	X				17		1
-18s					X								X	X				18		1
-19s														X		X		19		1
-20s																	X	20		1
-21s																	X	21		1
-22s																	X	22		1
-23s					X									X				23		1
-24s																	X	24		1

Relinquished by: (signature)	Date / Time	Received by: (signature)	Date / Time
	1/30/13 10:30		1/30/13 1630
Relinquished by: (signature)	Date / Time	Received by: (signature)	Date / Time
Relinquished by: (signature)	Date / Time	Received by: (signature)	Date / Time

Total # of containers	9
Chain of Custody seals Y/N/NA	N
Seals Intact? Y/N/NA	N/A
Received good condition/cold	Y

Turn around time: STD

Notes
Invoice HMC
Hazard Management Consulting
4.6° email results to
ktomita@ardentenv.com

Sample disposal Instructions: Disposal @ $2.00 each ____ Return to client ____ Pickup ____

COC 112218

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SAMPLE RECEIVING REVIEW SHEET

BATCH # T130184

Client Name: Ardent Project: 761 Terminal Street

Received by: Dan M Date/Time Received: 1/30/13 1030

Delivered by : ☐ Client ☐ SunStar Courier ☐ GSO ☐ FedEx ☐ Other _____

Total number of coolers received _____ **Temp criteria = 6°C > 0°C (no frozen containers)**

Temperature: cooler #1 _____°C +/- the CF (- 0.2°C) = _____°C corrected temperature

cooler #2 _____°C +/- the CF (- 0.2°C) = _____°C corrected temperature

cooler #3 _____°C +/- the CF (- 0.2°C) = _____°C corrected temperature

Samples outside temp. but received on ice, w/in 6 hours of final sampling.	☒Yes	☐No*	☐N/A
Custody Seals Intact on Cooler/Sample	☐Yes	☐No*	☒N/A
Sample Containers Intact	☒Yes	☐No*	
Sample labels match COC ID's	☒Yes	☐No*	
Total number of containers received match COC	☒Yes	☐No*	
Proper containers received for analyses requested on COC	☒Yes	☐No*	
Proper preservative indicated on COC/containers for analyses requested	☐Yes	☐No*	☒N/A

Complete shipment received in good condition with correct temperatures, containers, labels, volumes preservatives and within method specified holding times. ☒ **Yes** ☐ **No***

* Complete Non-Conformance Receiving Sheet if checked Cooler/Sample Review - Initials and date 1/30/13

Comments:

_____

_____

_____

_____

SUPPLEMENTAL SOIL AND SOIL GAS ASSESSMENT - PHASE II

Parking Lots of ROW DTLA
Portion of APN 5146-009-008
777 S. Alameda Street,
Los Angeles, California 90021

FOR

Alameda Square Owner, LLC
Atlas Capital Group, LLC
40 West 57th Street, 29th Floor
New York, NY 10019
Attention: Erin H. Gabrielli
c/o
DLA PIPER LLP (US)
550 South Hope Street, Suite 2300
Los Angeles, CA 90071
Attention: Kyndra Casper/Andrew Brady

CE Job No. EV0323-3666
March 2024

30423 Canwood Street, Suite 208, Agoura Hills, CA 91301 • (818) 991-1542 • ceworks@calenviro.com

TABLE OF CONTENTS

Page

TEXT

EXECUTIVE SUMMARY iii
1.0 INTRODUCTION 1
1.1 SITE DESCRIPTION/PROPOSED PROJECT 2
2.0 GEOLOGY AND HYDROGEOLOGY 3
3.0 PREVIOUS WORK 4
4.0 SUBSURFACE ASSESSMENT 6
4.1 SOIL SAMPLING 6
4.2 SOIL GAS AND AMBIENT AIR SAMPLING 7
4.3 RISK ANALYSIS 9
5.0 CONCLUSIONS AND RECOMMENDATIONS 9
6.0 NOTICE 12
7.0 REFERENCES 13

ILLUSTRATIONS

Plates 1- 10 – Boring Logs
Figure 1 - Vicinity Map
Figure 2 – Historical Assessment Plan
Figure 3 – CE Assessment Plan
Figure 4 – Metals in Soil – Above Residential Goals
Figure 5 – PCE in Soil Gas – Above Residential Goals

APPENDICES

I. Tables
- I – Laboratory Analysis of Soil TPH & VOCs
- II – Laboratory Analysis of Soil Metals
- III – Laboratory Analysis of Soil Gas & Ambient Air VOCs
- IV – Risk Calculations

II. Laboratory Test Reports

EXECUTIVE SUMMARY

This supplemental assessment was completed to better define the extent of soil and soil gas impacts potentially affecting the proposed residential redevelopment project. Previous sampling (HMC 2013) of soil identified the presence of elevated lead (up to 500 mg/Kg) beneath the location of the former onsite machine shop on the north lot. Three (3) of the soil gas samples collected by HMC contained PCE and benzene at concentrations above the current DTSC recommended residential screening level (SL). Low concentrations of TCE and TPH-diesel were also found in soil. PCBs and PAHs were not detected in soil by HMC.

CE implemented additional assessment that included sampling of soil and soil gas from ten (10) borings. Twenty-six (26) soil samples were obtained from depths of 2, 5, 10 and 15 feet and tested for TPH, VOCs and metals. Sixteen (16) soil gas samples were collected from co-located probes placed at depths of 15 and 25 feet and tested for VOCs per EPA Method TO-15.

The soil sample test results reveal that TPH and VOC concentrations were mostly non-detect or below residential clean up goals. Low concentrations of PCE (0.27-11 ug/Kg) were found in shallow soil along with low concentrations of TPH-diesel (3.8-30 mg/Kg) and TPH-oil (25-210 mg/Kg). The concentrations of heavy metals were all below residential risk levels except for one sample (CEB1-2ft) where elevated concentrations of arsenic (15.2 mg/Kg) and lead (275 mg/Kg) were detected. All other concentrations of metals detected were below their respective DTSC residential soil screening level (SL). Sample CEB1-2ft was also tested for soluble lead per methods STLC (42.4 mg/L) and TCLP (1.42 mg/L). The soil sample data confirm that the majority of the soil to be exported during future excavation of the future subterranean basement can be classified as non-hazardous. Several locations, in particular the areas around CEB1-2 ft and HMC SG-17s, contained elevated concentrations of lead, 275 mg/Kg and 500 mg/Kg, respectively. These concentrations exceed the CalEPA residential risk level for lead of 80 mg/Kg. Solubility testing on sample CEB1-2ft indicates the soil in this area is classified as CA hazardous since the STLC concentration exceeds the limit of 5.0 mg/L. Further testing is required to define the limits of the hazardous lead soil around CEB1-2ft.

All sixteen (16)-soil gas samples contained PCE at concentrations that ranged from 130-6,500 ug/m^3. Low concentrations of toluene, ethylbenzene, xylene and the refrigerants R11 and R12 were also detected. The general trend observed was the deeper soil gas probes on the south lot (25 ft) tended to have the higher concentrations of PCE. A vapor intrusion (VI) risk analysis using the current soil gas data confirms the entire footprint of the proposed residential development overlies a soil gas plume that exceeds the CalEPA-DTSC guidance concentrations for evaluation of vapor intrusion (VI) into future residential structures. The primary risk driver for future VI is PCE in soil gas. While it may be feasible to use soil vapor extraction (SVE) to reduce the future VI threat, the cost and time to complete are unknown. Removal of the contaminated soil gas via SVE now will not preclude future VI risks such as a change in regulatory requirements or vapors migrating onsite from offsite properties. For these reasons installation of a Vapor Intrusion Mitigation System (VIMS - membrane) is the preferred mitigation measure.

A Soils Management Plan (SMP) and associated Health & Safety Plan (HASP) should be developed for the future grading work at the site. The SMP will provide procedures for identification, segregation, verification sampling and profiling for offsite disposal of impacted soil. The HASP will specify procedures for protection of worker and community health and safety during implementation of the removal action. The VIMS recommended for the project should include provisions for performance monitoring of the engineering control system. The soil impacts detected (considered de minimus) do not appear to require reporting to a lead enforcement agency.

1.0 INTRODUCTION

The following report represents the findings of the supplemental soil gas and soil sampling conducted at the subject property located at 777 S. Alameda Street, Los Angeles, California. The subject property consists of approximately 10 acres of land on the east side of one (1) 20-acre irregular- shaped parcel. The subject property is associated with the ROW DTLA mall, which is located on the remainder of the parcel to the west. The subject property is currently developed with two (2) asphalt-paved parking lots that are bisected by Center Street. The south parking lot was constructed in approximately 1980 and the north parking lot was constructed in approximately 1989. California Environmental (CE) completed a Phase I report for the subject property in May 2023. CE identified recognized environmental conditions (RECs) for the subject property in the Phase I report, which included:

- The subject property was utilized as a railway yard from at least 1896 until the mid-1970s. Throughout this time period the property was utilized for industrial operations, including a machine shop/blacksmith furnaces, oil house (which likely contained several AST/USTs), woodworking shop, and electrical construction facility. Additionally, the south portion of the subject property was developed with railroad tracks. These operations are known to be associated with several types of contaminants including hydrocarbons, VOCs, PCBs, and metals.

- In 2013 Hazard Management Consulting (HMC) conducted a subsurface assessment on the subject property. The assessment consisted of soil and soil gas sampling that targeted the former industrial operations associated with the former railroad facilities, as well as general site screening. The assessment identified concentrations of metals in soil and VOCs in soil gas that exceed the current applicable residential screening levels (SLs).

    - **North Portion of Subject Property** - One (1) soil sample in the area of the former machine shop contained lead (500 mg/Kg) above the current DTSC recommended residential SL (80 mg/Kg).

    - **South Portion of Subject Property** - Three (3) soil gas as samples contained PCE at concentrations above the current DTSC residential SL. One (1) of these soil gas samples also contained a concentration of benzene that exceeds the current DTSC residential SL. Only one (1) of the four (4) soil gas sample locations with exceedances had a co-located soil sample, which was non-detect for hydrocarbons and VOCs.

The objective of this soil screening and soil gas assessment was to better define the extent of the impacts in soil and soil gas and to evaluate the RECs identified in the May 2023 Phase I report in preparation for redevelopment of the site with several multi-story residential structures, including one level of subterranean parking.

This report includes **CONCLUSIONS AND RECOMMENDATIONS** that are subject to the **NOTICE** at the end of this document. The scope of work included:

- Notification of Underground Service Alert to mark utility locations.
- Conduct a limited geophysical survey to clear underground utilities around boring locations.
- Soil sampling of ten (10) borings at depths ranging from 2 to 15 feet below ground surface (bgs).
- Placement of fifteen (15) soil-gas probes at depths of 15 and 25 feet bgs, approximately 5 and 15 feet below the proposed single subterranean level.
- Analysis of sixteen (16) soil gas, one ambient air and twenty-six (26) soil samples in state certified laboratories.
- Preparation of this report.

1.1 Site Description/Proposed Project

The subject property is located on the west side of South Alameda Street between 7th Street and Bay Street, in the City of Los Angeles, California. The current street addresses for the property are 1390 & 1396 E 7th Street and 777 S. Alameda Street. The 777 S. Alameda Street address is associated with the entire ROW DTLA mall property that extends to the west. According to the Los Angeles County Tax Assessor's office, the Assessor's Parcel Number (APN) for the subject property is a portion of APN 5146-009-008.

The subject property consists of approximately 10 acres of land on the east side of one (1) 20-acre irregular- shaped parcel. The subject property is associated with the ROW DTLA mall, which is located

on the remainder of the parcel to the west. The subject property is currently developed with two (2) asphalt-paved parking lots that are bisected by Center Street. The south parking lot was constructed in approximately 1980 and the north parking lot was constructed in approximately 1989. Access to the property is via S Alameda Street to the east. It is proposed to redevelop the site with several multi-story residential structures, including one level of subterranean parking.

2.0 GEOLOGY AND HYDROGEOLOGY

The subject property is located within the northern portion of the Los Angeles Coastal Plain on the west ancestral bank of the Los Angeles River. The Downey Plain feature is a result of coalesced alluvial fans deposited by the Los Angeles River and Rio Hondo Rivers. Surface sediments at the subject property are Quaternary age and composed of silty to sandy gravel, sand and silt soil types. The Miocene-age Puente formation underlies the unconsolidated Quaternary-age sediments. The Puente Formation is predominantly composed of marine-deposited siltstone, sandstone, and shale. The subject property is located within the Los Angeles Forebay area of the Central Groundwater Basin. The Central Basin occupies a large portion of the southeastern part of the Coastal Plain of Los Angeles Groundwater Basin. The Los Angeles Forebay occupies the northwesterly portion of the Central Basin Non-Pressure Area.

Groundwater level data was obtained from the RWQCB GeoTracker database for the nearby 1910 Bay Street (T1000011015) site located approximately 1,200 feet east of the subject property. Records indicate that in November 2022 groundwater was measured at 117 to 138 feet bgs with a southwest direction of flow.

3.0 PREVIOUS WORK

The following reports contain data pertinent to the environmental condition of the subject property.

McLaren Hart (MH) – *Phase I Environmental Site Assessment, Rykoff Terminal & Warehouses, 709-761 Terminal Street & 1388 East 7th Street, Los Angeles, California 90021*, dated May 1, 1997. MH prepared a Phase I ESA report for the entire ROW DTLA shopping mall, which includes the subject property. The report was prepared pursuant to the ASTM 1527-1994 Standard for Phase I Environmental Assessments. MH identified one REC for the subject property. The subject property was historically developed with railroad tracks, which are often associated with soil contamination due to material spills during loading/unloading or leaks leading to hydrocarbon contamination. HM recommended conducting soil borings across the property to assess for potential contamination.

AEI Consultants (AEI), *Phase I Environmental Site Assessment, 761 Terminal Street, Los Angeles, California 90021*, dated June 25, 2004. AEI prepared a Phase I ESA report for the entire ROW DTLA shopping mall, which includes the subject property. The report was prepared pursuant to the ASTM 1527-2000 Standard for Phase I Environmental Assessments. AEI identified several RECs associated with the subject property. The Pacific Electric Railroad Company's operations on the subject property included a machine shop/blacksmith, oil house (which likely contained several AST/USTs), woodworking shop, and electrical construction facility. During the site reconnaissance a drum of PCE was observed on the first floor of the building that borders the northwest portion of the subject property. Historically, several tenants that likely used solvents, hydrocarbons, and heavy metals were located on the property adjacent to the west. AEI concluded that soil and groundwater testing would be required to confirm the absence or presence of subsurface contamination.

Hazardous Management Consulting (HMC), *Phase I Environmental Site Assessment, Alameda Square, Los Angeles, California*, dated February 6, 2013. HMC prepared a Phase I ESA report for the entire ROW DTLA shopping mall, which includes the subject property. The report was prepared pursuant to the ASTM 1527-2005 Standard for Phase I Environmental Assessments. HMC identified the historic presence of the Pacific Electric Railway's maintenance operations on the subject property as a REC. HMC noted the operations most likely included the use of fuels, hydrocarbons, solvents, metals and potentially, PCBs. HMC concluded that a subsurface investigation should be conducted to assess the presence of hydrocarbons and solvents in soil gas as well as metals and PCBs that could be present in soil.

HMC, *Results of Soil and Soil Gas Sampling, 777 South Alameda Street, Los Angeles, California*, dated February 14, 2013. The assessment work included a total of 23 soil borings across the entire ROW DTLA property. Of the 23 borings, nine (9) were located on the subject property. The borings on the subject property targeted the former machine shop and oil house located previously located on the north portion of the property, the electrical construction shop on the south portion of the subject property, and general site screening across the north and south parking lots. In each location one (1) soil gas sample was collected from 5 ft bgs and in five (5) locations one (1) 5 ft co-located soil sample

was collected. Soil samples were analyzed for hydrocarbons, VOCs, metals, PAHs, and PCBs dependent on sample location. Soil gas samples were analyzed for VOCs.

All soil gas sample locations on the north portion of the subject property were non-detect for VOCs. One (1) soil sample collected in the area of the former machine shop on the north portion of the property detected lead at 500 mg/kg, above the current DTSC SL for lead in soil at a residential property (80 mg/kg). All other soil samples were below the applicable DTSC SLs for a residential property.

Three (3) soil gas samples in the southern parking lot contained PCE at concentrations ranging from 120 ug/m3 to 1,600 ug/m3, which exceeds the current DTSC SL for PCE in soil gas at a residential property (460 ug/m3). One (1) of the soil gas samples contained a concentration of benzene (120 ug/m3) that exceeds the current DTSC SL for benzene in soil gas a residential property (97 ug/m3). Only one (1) of the four (4) soil gas sample locations with exceedances on the southern portion of the subject property had a co-located soil sample. The one (1) co-located soil sample was non-detect for hydrocarbons and VOCs. The soil gas exceedances of PCE and benzene on the south portion of the subject property, and soil exceedance of lead on the north portion of the subject property, are considered a REC. HMC's 2013 subsurface assessment is attached in.

CBRE, *Phase I Environmental Site Assessment, LA Industrial Portfolio, 747-787 S. Alameda Street, 746 S Central Avenue, 1318-1320 E. 7th Street, 1215 E 7th Street, Los Angeles, California*, 90021, dated April 5, 2017. CBRE prepared a Phase I ESA report for the entire ROW DTLA shopping mall, which includes the subject property. The report was prepared pursuant to the ASTM 1527-2013 Standard for Phase I Environmental Assessments. CBRE did not identify any RECs, HRECs, or CRECs in connection with the subject property.

CalEnviro, Phase I Environmental Assessment Report, Parking Lots of ROW DTLA, Portion of APN 5146-009-008777 S. Alameda Street, Los Angeles, California 90021, dated May 2023. The report identified the subject property was utilized as a railway yard that included a variety of industrial operations. The former onsite industrial operations (machine shop, blast furnace, and oil storage) are considered a REC. A 2013 subsurface assessment identified concentrations of PCE and benzene in soil gas and lead in soil that exceed current regulatory screening levels for a residential property. This is considered a REC. No evidence of historical recognized environmental conditions (HREC) or controlled recognized environmental conditions (CRECs) were identified in connection with the subject property. The previous 2013 assessment on the subject property consisted of soil gas sampling at only 5 feet bgs with sporadic co-located soil sampling and analysis. Based on the future development plans for residential structures including one level of subterranean parking, CE recommended implementing an updated soil and soil gas assessment. Soil characterization samples should be collected from near surface soil to a depth of approximately 5 feet below the proposed final grade of the subterranean basement.

4.0 SUBSURFACE ASSESSMENT

4.1 SOIL SAMPLING

An Underground Service Alert notification was made prior to drilling and Atlas Geophysics cleared utility conflicts for all sampling locations utilizing a total field magnetics and GPR methods. On February 27, 2024 and February 28, 2024, CalEnviro (CE) personnel directed MR Drilling's hydraulic push rig to advance ten (10) soil borings throughout the subject property. Twenty-six (26) soil samples and fifteen (16) co-located soil gas samples were collected from the ten (10) boring locations. Soil samples were obtained from continuous cores at depths of 2, 5, 10, and 15 feet below ground surface. The soil sample locations are depicted on **FIGURE 3 – CE ASSESSMENT PLAN**. The soil samples were retained in capped acetate sleeves. Samples for VOC analysis were collected per USEPA Field Preservation Method 5035 by pushing a Terra-Core sampling device into the soil core and preserving the aliquot using laboratory provided 40 ml VOAs (3), containing sodium bisulfate (2) and methanol (1). All soil samples were stored on ice and transferred to a state certified laboratory operated by Eurofins Calscience. Soil samples were analyzed for (TPH) oil range organics (ORO; C_{23}-C_{40}) and diesel range organics (DRO; C_{13}-C_{22}) via USEPA Method 8015, volatile organic compounds (VOCs) and gasoline range organics (GRO; C_4-C_{12}) via USEPA Method 8260/5035, and Title 22 Metals via USEPA Method 6010.

The soil samples were either below the method detection level or contained very low concentrations of VOCs and TPH. None of the concentrations of VOCs/TPH detected exceeded the recommended soil CalEPA screening levels for residential property. The TPH and VOC soil sample data is tabulated on **TABLE I, APPENDIX I**.

Laboratory analysis of soil for Title 22 Metals (via USEPA Method 6010) found all but one of the twenty-six (26) samples analyzed to be below the residential soil screening concentrations. Soil sample CEB1-2ft showed an elevated concentration of arsenic (15.2 mg/kg), which is greater than the accepted southern California arsenic background level of 12 mg/kg. Lead was also detected in soil sample CEB1-2ft at a concentration of 275 mg/Kg that exceeds the DTSC SL for soil at a residential property of 80 mg/kg. Soil sample CEB1-2ft was also analyzed via Toxicity Characterization Leaching Procedure (TCLP)

and the Soluble Threshold Limit Concentration (STLC). The STLC analysis showed a concentration of 32.4 mg/L that exceeds the California hazardous waste characterization threshold of 5.0 mg/L. The TCLP analysis showed a concentration of 1.42 mg/L, which is below the federal hazardous waste characterization threshold of 5.0 mg/L. All other concentrations of metals detected were below their respective CalEPA-DTSC SL. The metals soil data is tabulated on **TABLE II, APPENDIX I**. The locations of elevated lead and arsenic in soil exceeding the residential screening level is depicted on **FIGURE 4 – METALS IN SOIL ABOVE RESIDENTIAL GOALS**

The soil sample locations are depicted on **FIGURE 3 – CE ASSESSMENT PLAN**. The soil laboratory report and chain of custody record are attached in **APPENDIX II**. Boring logs are included in **ILLUSTRATIONS** section of the report.

4.2 SOIL GAS AND AMBIENT AIR SAMPLING

Soil-gas sampling was conducted on February 29, 2024. American Analytics conducted the soil gas sampling and ambient air sampling under the direction of California Environmental. Five (5) soil gas samples were collected from five (5) single-nested probes placed at 25 feet bgs, and ten (10) soil gas samples, plus one (1) replicate, were collected from five (5) dual-nested soil gas probes placed at 15 and 25 feet bgs. Additionally, one (1) ambient air sample was obtained. The soil gas probe locations and ambient air sample location are shown on the attached **FIGURE 5 – PCE IN SOIL GAS ABOVE RESIDENTIAL GOALS**. Soil-gas and ambient air samples were collected, transferred to an offsite state certified laboratory operated by American Analytics, and analyzed for VOCs via USEPA Method TO-15. Soil gas and ambient air sampling protocols were performed in conformance with the DTSC/RWQCB guidelines (CalEPA/DTSC/RWQCB Soil-Gas Advisory, 2015), and the American Analytics Sampling SOPs.

The soil-gas probes consisted of a sampling tip attached to inert nylon tubing. Each segment of tubing was pre-measured to ensure the correct depth. The sample point was set within a 12-inch sand-sensing zone at the desired depth of each soil vapor point. Dry granular bentonite was placed above and/or below the sand-sensing zone and hydrated in order to seal the sand-sensing zone. The probes were completed to the surface with hydrated bentonite and capped with a gas-tight 2-way valve preventing degassing of the vapor point and interference from the surface. The soil-gas probes were allowed to

equilibrate for approximately 24-hoours prior to the collection of the soil-gas samples. Three dead space purge volumes (3PV) were evacuated from each probe prior to sampling. Isopropanol was utilized as the leak check compound. Vapor probe locations were sampled using the American Analytics SOPs, which includes protocols for surface seals, purge volume tests, tracer compounds, sample flow rate, duplicate samples, and analytical instrument calibration.

Ambient air sampling consisted of placing a Summa canister on a tripod approximately 5 ft above the ground surface. The check valve on the Summa canister was opened allowing ambient air to be drawn into the negatively pressurized Summa canister. Ambient air was sampled using the American Analytics SOPs, which includes protocols for sample flow rate, and analytical instrument calibration.

All sixteen (16)-soil gas samples contained PCE at concentrations that ranged from 130-6,500 ug/m^3. Low concentrations of toluene, ethylbenzene, xylene and the refrigerants R11 and R12 were also detected. The general trend observed was the deeper soil gas probes (25 ft) on the south lot tended to have the higher concentrations of PCE. All other VOCs analytes (via USEPA Method TO-15) were either not detected above the laboratory detection limit or were detected below their respective screening levels. The soil gas data is tabulated on **TABLE III, APPENDIX I**.

Laboratory analysis of the one (1) ambient air sample for VOCs (Via USEPA Method TO-15) found a low concentration of Acetone at 19 µg/m^3 and a low concentration of Isobutane at 2.5 µg/m^3. No other analytes were recorded above the laboratory detection limit. The ambient air data is tabulated on **TABLE III, APPENDIX I**. The soil-gas and ambient air laboratory report and chain of custody record are attached in **APPENDIX II**.

4.3 RISK ANALYSIS

The future vapor intrusion (VI) potential for the VOCs detected in soil gas was evaluated utilizing the methods described in the *Guidance for the Evaluation and Mitigation of Subsurface Vapor Intrusion to Indoor Air* (DTSC 2011 VI Guidance) document prepared by DTSC and adopted by the State of California in 2011; including the updated methods outlined in the *Final Draft Supplemental Guidance: Screening*

and Evaluating Vapor Intrusion (2023 Supplemental Guidance) document prepared by DTSC and California State Water Resources Control Board in 2023. The predicted indoor air values were compared to the DTSC screening levels (SLs) for ambient air at a residential property and the San Francisco Regional Water Quality Control Board (SFWQCB) environmental screen levels (ESLs) for indoor air at a residential property.

CE calculated the predicted indoor air concentrations for all VOC compounds historically detected. CE utilized the recommended site screening attenuation factor (AF) of 0.03 for the highest concentration of the detected compounds as outlined in the 2023 Supplemental Guidance and 2011 VI Guidance documents. The AF is a conservative assumption used to help predict future indoor air quality. Comparison of these calculated values to the DTSC indoor air screening levels allows for the appropriate CalEPA-DTSC recommended risk-management decision to be made.

The site-specific VI cancer risks (CR) and hazard quotients were calculated utilizing Equations 4 and 5 from the 2023 Supplemental VI Guidance document. The estimated cumulative risk and hazard quotient were then calculated utilizing the results. The 2023 Supplemental Guidance document states, *"the points of departure for risk management decisions are 1 x 10^{-6} cancer risk and a noncancer HI of 1."* Additionally, the calculated results are based on the 25-foot soil gas probes as the current redevelopment plans propose to remove 10-15 feet of soil for a subterranean parking garage. The Subject property's calculated cumulative residential VI risk and hazard values, using the attenuation factor of 0.03, are 2.21x10^{-4} and 2.80, respectively. These calculations are presented in **TABLE IV, APPENDX I.** These calculated values exceed the "point of departure" (risk > 1x10^{-6} and HI ≥ 1) and indicates there is a VI risk for future residential structures located on the subject property.

5.0 CONCLUSIONS AND RECOMMENDATIONS

The soil sample data results reveal that TPH and VOC concentrations were mostly non-detect or below residential clean up goals. Low concentrations of PCE (0.27-11 ug/Kg) were found in shallow soil along with low concentrations of TPH-diesel (3.8-30 mg/Kg) and TPH-oil (25-210 mg/Kg). The concentrations

of heavy metals were all below residential risk levels except for one sample (CEB1-2ft) where elevated concentrations of arsenic (15.2 mg/Kg) and lead (275 mg/Kg) were detected. All other concentrations of metals detected were below their respective DTSC SL. Sample CEB1-2ft was also tested for soluble lead per methods STLC (42.4 mg/L) and TCLP (1.42 mg/L). The soil sample data confirm that the majority of the soil to be exported during future excavation of the future subterranean basement can be classified as non-hazardous. Several locations, in particular the areas around CEB1-2 ft and HMC SG-17s, contained elevated concentrations of lead, 275 mg/Kg and 500 mg/Kg, respectively. These concentrations exceed the CalEPA residential risk level for lead of 80 mg/Kg. Solubility testing on sample CEB1-2ft indicates the soil in this area is classified as CA hazardous since the STLC concentration exceeds the limit of 5.0 mg/L. Further testing is required to define the limits of the hazardous lead soil around CEB1-2ft.

All sixteen (16)-soil gas samples contained PCE at concentrations that ranged from 130-6,500 ug/m^3. Low concentrations of toluene, ethylbenzene, xylene and the refrigerants R11 and R12 were also detected. The general trend observed was the deeper soil gas probes (25 ft) on the south lot tended to have the higher concentrations of PCE. A vapor intrusion (VI) risk analysis using the current soil gas data confirms the entire footprint of the proposed residential development overlies a soil gas plume that exceeds the CalEPA-DTSC guidance concentrations for evaluation of vapor intrusion (VI) into future residential structures. It is probable the PCE soil gas plume is related to minor onsite releases of PCE though migration from offsite source(s) cannot be ruled out. The primary risk driver for future VI is PCE in soil gas. While it may be feasible to use soil vapor extraction (SVE) to reduce the future VI threat, the cost and time to complete are unknown. Removal of the contaminated soil gas via SVE now will not preclude future VI risks such as a change in regulatory requirements or vapors migrating onsite from offsite properties. For these reasons installation of a Vapor Intrusion Mitigation System (VIMS - membrane) is the preferred mitigation measure. A soil management plan (SMP) and health and safety plan (HASP) should be developed and implemented during the future grading at the site.

6.0 NOTICE

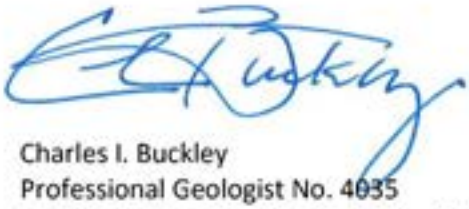
All properties are subject to some element of environmental risk and the risk cannot be eliminated. Industrial and commercial properties developed prior to modern environmental laws are especially risk prone to environmental hazards which include, but are not limited to, wastes which may be toxic, ignitable, corrosive or reactive. The potential for these environmental hazards to impact the use of the property can be reduced by the identification and mitigation of the hazards prior to development or redevelopment of the property. Due to the difficulty in locating underground wastes, in some cases it is not always possible to ascertain that hazardous wastes are present on the property prior to development.

The subsurface conditions described herein have been ascertained from excavations on the site as indicated, and should in no way be construed to reflect variations which may occur between or beyond these excavations. The chemical laboratory testing described herein was performed by a state certified testing laboratory. The state certified testing laboratory assumes responsibility for the testing procedures used in their analysis.

This report was prepared with the skill and competence as commonly used by environmental professionals in this area. No warranty, expressed or implied, of any kind is made or intended in connection with this report, or by the fact you are being furnished this report, or by any other oral or written statement.

Should you have any questions or desire any additional information, please contact the undersigned.

Respectfully submitted,





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Certified Hydrogeologist No. 55

Ryan Bzoskie
Project Geologist

7.0 REFERENCES

1. LARWQCB, SFRWQCB, & Cal-EPA DTSC, Active Soil Gas Investigation Advisory, July 2015.

2. DTSC, *Guidance for the Evaluation and Mitigation of Subsurface Vapor Intrusion to Indoor Air*, dated November 2011.

3. DTSC and California State Water Resources Control Board, *Final Draft Supplemental Guidance: Screening and Evaluating Vapor Intrusion*, February 2023.

4. DTSC and California State Water Resources Control Board, *Human Health Risk Assessment (HHRA) Note Number 11, Southern California Ambient Arsenic Screening Level*, December 2020.

5. McLaren Hart (MH) – *Phase I Environmental Site Assessment, Rykoff Terminal & Warehouses, 709-761 Terminal Street & 1388 East 7th Street, Los Angeles, California 90021*, dated May 1, 1997

6. AEI Consultants (AEI), *Phase I Environmental Site Assessment, 761 Terminal Street, Los Angeles, California 90021*, dated June 25, 2004.

7. Hazardous Management Consulting (HMC), *Phase I Environmental Site Assessment, Alameda Square, Los Angeles, California*, dated February 6, 2013.

8. HMC, *Results of Soil and Soil Gas Sampling, 777 South Alameda Street, Los Angeles, California*, dated February 14, 2013.

9. CBRE, *Phase I Environmental Site Assessment, LA Industrial Portfolio, 747-787 S. Alameda Street, 746 S Central Avenue, 1318-1320 E. 7th Street, 1215 E 7th Street, Los Angeles, California*, 90021, dated April 5, 2017.

10. CalEnviro, Phase I Environmental Assessment Report, Parking Lots of ROW DTLA, Portion of APN 5146-009-008777 S. Alameda Street, Los Angeles, California 90021, dated May 2023.

ILLUSTRATIONS

Plates 1- 10 – Boring Logs
Figure 1 - Vicinity Map
Figure 2 – Historical Assessment Plan
Figure 3 – CE Assessment Plan
Figure 4 –Metals in Soil Above Residential Goals
Figure 5 – PCE in Soil Gas Above Residential Goals

CalEnviro geologists & engineers	**BORING ID: CEB1/ CESG1**	TOTAL DEPTH (ft):	25 ft
	GPS:	PROJECT #:	N/A
	CE JOB #: 3666	SITE NAME:	ROW DTLA
	DRILLER: MR	LOGGED BY:	CIB
	ADDRESS: 777 South Alameda Los Angeles, CA 90021		

DRILLING METHOD:	HYDRAULIC PUSH	SURFACE ELEV. (ft. amsl):	N/A
DRILL SIZE:	2-INCH	DATE DRILLED:	February 27, 2024
SAMPLING METHOD:	DRIVE TUBE - CONTINUOUS CORE	TIME COMPLETED:	8:00 AM
SAMPLE TYPE:	SOIL	GW DEPTH (ft.):	N/A

SAMPLE TYPE†	DEPTH (ft.)	LITHOLOGY DESRCIPTION	GRAPHIC LOG	USCS CODE	RECOVERY (%)	BLOWS/ 1 FOOT	PID (ppmv)	COMMENTS
	0							
SD		Silty sand, dark brown, moist, fine grained, medium dense		SM				
SD	5	Silty sand, brown, moist, medium dense		SM				
	10	Silty sand, brown, moist, dense		SM				
SD				ML/SM				
V	15	Grades to silty						
	20	Grades to medium ro coarse sand with granule gravels, light brown/grey, brown, moist, dense		SM/SP				
V	25							
		End at 25 feet						

Set soil gas probes at 14.5' and 24.5'

PROBE CONSTRUCTION DETAILS

SCREEN INTERVAL:		ANNULAR SEAL:	BENTONITE PELLETS
CASING DEPTH:		FILTER PACK:	#3 SAND
CASING DIAMETER (in.):		SLOT SIZE:	

Sample Type†: SD=Soil Drive SG=Soil Grab GW=Groundwater V=Vapor

CalEnviro geologists & engineers	**BORING ID: CEB2/ CESG2**	TOTAL DEPTH (ft):	25 ft
	GPS:	PROJECT #:	N/A
	CE JOB #: 3666	SITE NAME:	ROW DTLA
	DRILLER: MR	LOGGED BY:	CIB
	ADDRESS: 777 South Alameda Los Angeles, CA 90021		

DRILLING METHOD:	HYDRAULIC PUSH	SURFACE ELEV. (ft. amsl):	N/A
DRILL SIZE:	2-INCH	DATE DRILLED:	February 27, 2024
SAMPLING METHOD:	DRIVE TUBE - CONTINUOUS CORE	TIME COMPLETED:	9:15 AM
SAMPLE TYPE:	SOIL	GW DEPTH (ft.):	N/A

SAMPLE TYPE†	DEPTH (ft.)	LITHOLOGY DESRCIPTION	GRAPHIC LOG	USCS CODE	RECOVERY (%)	BLOWS/ 1 FOOT	PID (ppmv)	COMMENTS
	0							
SD		Silty sand, dark brown, moist, medium dense		SM				
		Dark brown-black, fine grained seam						
SD	5							
SD	10	Silty sand, light grey brown, moist, dense		SM/SL				
	15	Silty sand, medium- coarse grained sand		SM/SP				
	20	Grades to coarse sand and granule gravels moist, dense		SM/SP				
V	25							
		End at 25 feet						

Set soil gas probe at 24.5'

PROBE CONSTRUCTION DETAILS

SCREEN INTERVAL:		ANNULAR SEAL:	BENTONITE PELLETS
CASING DEPTH:		FILTER PACK:	#3 SAND
CASING DIAMETER (in.):		SLOT SIZE:	

Sample Type†: SD=Soil Drive SG=Soil Grab GW=Groundwater V=Vapor

CalEnviro geologists & engineers	**BORING ID:**	**CEB3/ CESG3**	TOTAL DEPTH (ft):	25 ft
	GPS:	34/01/58 - 118/14/23	PROJECT #:	N/A
	CE JOB #:	3666	SITE NAME:	ROW DTLA
	DRILLER:	MR	LOGGED BY:	CIB
	ADDRESS:	777 South Alameda Los Angeles, CA 90021		

DRILLING METHOD:	HYDRAULIC PUSH	SURFACE ELEV. (ft. amsl):	N/A
DRILL SIZE:	2-INCH	DATE DRILLED:	February 27, 2024
SAMPLING METHOD:	DRIVE TUBE - CONTINUOUS CORE	TIME COMPLETED:	10:00 AM
SAMPLE TYPE:	SOIL	GW DEPTH (ft.):	N/A

SAMPLE TYPE†	DEPTH (ft.)	LITHOLOGY DESRCIPTION	GRAPHIC LOG	USCS CODE	RECOVERY (%)	BLOWS/ 1 FOOT	PID (ppmv)	COMMENTS
	0							
SD		Silty sand, dark brown, moist, medium dense (silty)		SM/ML				
SD	5	Silty sand, light brown, moist, medium dense		SM				
SD	10	Silty sand, light grey brown, slightly moist, dense		SM				
SD								
V	15	Coarse sand, light brown, slightly moist, dense with granule gravel		SM/SP				
	20	Grades to coarse sand and granule gravels moist, dense		SM/SP				
V	25			SP/SM				
		End at 25 feet						

Set soil gas probes at 14.5' and 24.5'

PROBE CONSTRUCTION DETAILS

SCREEN INTERVAL:		ANNULAR SEAL:	BENTONITE PELLETS
CASING DEPTH:		FILTER PACK:	#3 SAND
CASING DIAMETER (in.):		SLOT SIZE:	

Sample Type†: SD=Soil Drive SG=Soil Grab GW=Groundwater V=Vapor

CalEnviro geologists & engineers	**BORING ID:**	**CEB4/ CESG4**	TOTAL DEPTH (ft):	25 ft
	GPS:	34/01/58 - 118/14/21	PROJECT #:	N/A
	CE JOB #:	3666	SITE NAME:	ROW DTLA
	DRILLER:	MR	LOGGED BY:	CIB
	ADDRESS:	777 South Alameda Los Angeles, CA 90021		

DRILLING METHOD:	HYDRAULIC PUSH	SURFACE ELEV. (ft. amsl):	N/A
DRILL SIZE:	2-INCH	DATE DRILLED:	February 27, 2024
SAMPLING METHOD:	DRIVE TUBE - CONTINUOUS CORE	TIME COMPLETED:	1120 AM
SAMPLE TYPE:	SOIL	GW DEPTH (ft.):	N/A

SAMPLE TYPE†	DEPTH (ft.)	LITHOLOGY DESRCIPTION	GRAPHIC LOG	USCS CODE	RECOVERY (%)	BLOWS/ 1 FOOT	PID (ppmv)	COMMENTS
	0							
SD		Silty sand, dark brown, moist, medium dense		SM/ML				
	5	Silty sand, brown, moist, medium dense		SM				
SD	10	Med. sand, brown, moist, dense		SM				
SD	15	Med. Sand, brown, moist, dense with granule gravel		SM				
	20	Sand, medium-coarse gained, light grey/brown, slightly moist, dense, granule gravels		SP/SM				
V	25							
		End at 25 feet						

Set soil gas probe at 24.5'

PROBE CONSTRUCTION DETAILS

SCREEN INTERVAL:	ANNULAR SEAL: BENTONITE PELLETS
CASING DEPTH:	FILTER PACK: #3 SAND
CASING DIAMETER (in.):	SLOT SIZE:

Sample Type†: SD=Soil Drive SG=Soil Grab GW=Groundwater V=Vapor

CalEnviro geologists & engineers	**BORING ID: CEB5/CESG5**	TOTAL DEPTH (ft):	25 ft
	GPS:	PROJECT #:	N/A
	CE JOB #: 3666	SITE NAME:	ROW DTLA
	DRILLER: MR	LOGGED BY:	CIB
	ADDRESS: 777 South Alameda Los Angeles, CA 90021		

DRILLING METHOD:	HYDRAULIC PUSH	SURFACE ELEV. (ft. amsl):	N/A
DRILL SIZE:	2-INCH	DATE DRILLED:	February 27, 2024
SAMPLING METHOD:	DRIVE TUBE - CONTINUOUS CORE	TIME COMPLETED:	12:30 PM
SAMPLE TYPE:	SOIL	GW DEPTH (ft.):	N/A

SAMPLE TYPE†	DEPTH (ft.)	LITHOLOGY DESRCIPTION	GRAPHIC LOG	USCS CODE	RECOVERY (%)	BLOWS/ 1 FOOT	PID (ppmv)	COMMENTS
	0							
SD		Silty sand, dark brown, moist, medium dense		SM				
SD	5	with granule gravel, grey		SP/SM				
SD	10	Sand, medium-coarse sand, light brown, moist, dense		SP				
SD V	15	Sand, medium-coarse sand, light brown, moist, dense		SP				
	20	Sand, medium-coarse sand, light brown, moist, dense, with granule gravel		SP				
V	25	Sand, medium-coarse sand, light brown, moist, dense, with granule gravel		SP				

End at 25 feet, Set soil gas probes at 14.5' and 24.5'

PROBE CONSTRUCTION DETAILS

SCREEN INTERVAL:	ANNULAR SEAL: BENTONITE PELLETS
CASING DEPTH:	FILTER PACK: #3 SAND
CASING DIAMETER (in.):	SLOT SIZE:

Sample Type†: SD=Soil Drive SG=Soil Grab GW=Groundwater V=Vapor

CalEnviro geologists & engineers	**BORING ID: CEB6/CESG6**	TOTAL DEPTH (ft):	25 ft
	GPS:	PROJECT #:	N/A
	CE JOB #: 3666	SITE NAME:	ROW DTLA
	DRILLER: MR	LOGGED BY:	CIB
	ADDRESS: 777 South Alameda Los Angeles, CA 90021		

DRILLING METHOD:	HYDRAULIC PUSH	SURFACE ELEV. (ft. amsl):	N/A
DRILL SIZE:	2-INCH	DATE DRILLED:	February 27, 2024
SAMPLING METHOD:	DRIVE TUBE - CONTINUOUS CORE	TIME COMPLETED:	
SAMPLE TYPE:	SOIL	GW DEPTH (ft.):	N/A

SAMPLE TYPE†	DEPTH (ft.)	LITHOLOGY DESRCIPTION	GRAPHIC LOG	USCS CODE	RECOVERY (%)	BLOWS/ 1 FOOT	PID (ppmv)	COMMENTS
	0	Fine sand, brown		SM/GML				
SD								
SD	5	Fine sand, brown, very moist		SM				
	10	Medium sand, grey/brown		SM				
	15	Coarse sand, grey, with granule gravel		SP				
	20							
V	25	Coarse sand, grey, with granule gravel		SP				
		End at 25'						

Set soil gas probe at 24.5'

PROBE CONSTRUCTION DETAILS

SCREEN INTERVAL:		ANNULAR SEAL:	BENTONITE PELLETS
CASING DEPTH:		FILTER PACK:	#3 SAND
CASING DIAMETER (in.):		SLOT SIZE:	

Sample Type†: SD=Soil Drive SG=Soil Grab GW=Groundwater V=Vapor

CalEnviro geologists & engineers	**BORING ID: CEB7/CESG7**	TOTAL DEPTH (ft):	25 ft
	GPS:	PROJECT #:	N/A
	CE JOB #: 3666	SITE NAME:	ROW DTLA
	DRILLER: MR	LOGGED BY:	CIB
	ADDRESS: 777 South Alameda Los Angeles, CA 90021		

DRILLING METHOD:	HYDRAULIC PUSH	SURFACE ELEV. (ft. amsl):	N/A
DRILL SIZE:	2-INCH	DATE DRILLED:	February 28, 2024
SAMPLING METHOD:	DRIVE TUBE - CONTINUOUS CORE	TIME COMPLETED:	
SAMPLE TYPE:	SOIL	GW DEPTH (ft.):	N/A

SAMPLE TYPE†	DEPTH (ft.)	LITHOLOGY DESRCIPTION	GRAPHIC LOG	USCS CODE	RECOVERY (%)	BLOWS/ 1 FOOT	PID (ppmv)	COMMENTS
	0	Silty sand, brown, moist, med. Dense		SM				
	5							
SD	10	Silty sand, grades to yellow brown, moist, medium dense		SM				
V	15	Silty sand, grades to grey/brown, dense		SM				
	20							
V	25	Silty sand, brown, moist, dense		SM				
		End at 25'						

Set soil gas probes at 14.5' and 24.5'

PROBE CONSTRUCTION DETAILS

SCREEN INTERVAL:		ANNULAR SEAL:	BENTONITE PELLETS
CASING DEPTH:		FILTER PACK:	#3 SAND
CASING DIAMETER (in.):		SLOT SIZE:	

Sample Type†: SD=Soil Drive SG=Soil Grab GW=Groundwater V=Vapor

CalEnviro geologists & engineers	**BORING ID: CEB8/CESG8**	TOTAL DEPTH (ft):	25 ft
	GPS:	PROJECT #:	N/A
	CE JOB #: 3666	SITE NAME:	ROW DTLA
	DRILLER: MR	LOGGED BY:	CIB
	ADDRESS: 777 South Alameda Los Angeles, CA 90021		

DRILLING METHOD:	HYDRAULIC PUSH	SURFACE ELEV. (ft. amsl):	N/A
DRILL SIZE:	2-INCH	DATE DRILLED:	February 28, 2024
SAMPLING METHOD:	DRIVE TUBE - CONTINUOUS CORE	TIME COMPLETED:	
SAMPLE TYPE:	SOIL	GW DEPTH (ft.):	N/A

SAMPLE TYPE†	DEPTH (ft.)	LITHOLOGY DESRCIPTION	GRAPHIC LOG	USCS CODE	RECOVERY (%)	BLOWS/ 1 FOOT	PID (ppmv)	COMMENTS
	0							
SD		Silty sand, brown, moist, med. dense		SM/ML				
SD	5	Silty sand, brown, moist, med. dense		SM				
	10	Grades to coarse sand, grey/brown, very dense		SM/SP				
	15	Grades to coarse sand, grey/brown, very dense		SM/SP				
	20							
V	25	Grades to coarse sand, grey/brown, very dense		SM/SP				
		End at 25'						

Set soil gas probe at 24.5'

PROBE CONSTRUCTION DETAILS

SCREEN INTERVAL:		ANNULAR SEAL:	BENTONITE PELLETS
CASING DEPTH:		FILTER PACK:	#3 SAND
CASING DIAMETER (in.):		SLOT SIZE:	

Sample Type†: SD=Soil Drive SG=Soil Grab GW=Groundwater V=Vapor

PLATE 8

CalEnviro geologists & engineers	**BORING ID: CEB9/CESG9**	TOTAL DEPTH (ft):	25 ft
	GPS:	PROJECT #:	N/A
	CE JOB #: 3666	SITE NAME:	ROW DTLA
	DRILLER: MR	LOGGED BY:	CIB
	ADDRESS: 777 South Alameda Los Angeles, CA 90021		

DRILLING METHOD:	HYDRAULIC PUSH	SURFACE ELEV. (ft. amsl):	N/A
DRILL SIZE:	2-INCH	DATE DRILLED:	February 28, 2024
SAMPLING METHOD:	DRIVE TUBE - CONTINUOUS CORE	TIME COMPLETED:	
SAMPLE TYPE:	SOIL	GW DEPTH (ft.):	N/A

SAMPLE TYPE†	DEPTH (ft.)	LITHOLOGY DESRCIPTION	GRAPHIC LOG	USCS CODE	RECOVERY (%)	BLOWS/ 1 FOOT	PID (ppmv)	COMMENTS
	0							
SD		Silty sand, brown, moist, med. dense		SM				
SD	5	Silty sand, brown, moist, med. dense		SM				
	10	Silty sand, olive brown, moist, dense		SM				
V	15	Medium to coarse grain sand, grey brown, moist, dense		SP/SM				
	20							
V	25	Grades to coarse sand, grey/brown, very dense		SP/SM				
		End at 25'						

Set soil gas probes at 14.5' and 24.5'

PROBE CONSTRUCTION DETAILS

SCREEN INTERVAL:		ANNULAR SEAL:	BENTONITE PELLETS
CASING DEPTH:		FILTER PACK:	#3 SAND
CASING DIAMETER (in.):		SLOT SIZE:	

Sample Type†: SD=Soil Drive SG=Soil Grab GW=Groundwater V=Vapor

CalEnviro geologists & engineers	**BORING ID: CEB10/CESG10**	TOTAL DEPTH (ft):	25 ft
	GPS:	PROJECT #:	N/A
	CE JOB #: 3666	SITE NAME:	ROW DTLA
	DRILLER: MR	LOGGED BY:	CIB
	ADDRESS: 777 South Alameda Los Angeles, CA 90021		

DRILLING METHOD:	HYDRAULIC PUSH	SURFACE ELEV. (ft. amsl):	N/A
DRILL SIZE:	2-INCH	DATE DRILLED:	February 28, 2024
SAMPLING METHOD:	DRIVE TUBE - CONTINUOUS CORE	TIME COMPLETED:	
SAMPLE TYPE:	SOIL	GW DEPTH (ft.):	N/A

SAMPLE TYPE†	DEPTH (ft.)	LITHOLOGY DESRCIPTION	GRAPHIC LOG	USCS CODE	RECOVERY (%)	BLOWS/ 1 FOOT	PID (ppmv)	COMMENTS
	0							
SD		Silty sand, brown, moist, med. dense		SM				
SD	5	Silty sand, brown, moist, med. dense		SM				
	10	Silty sand,brown, moist, dense		SM				
	15	Sand, medium to coarse grained , grey/brown moist, dense		SP/SM				
	20							
V	25	Sand, coarse grained w/granule gravel, slightly moist, dense		SM/SP				
		End at 25'						

Set soil gas probe at 24.5'

PROBE CONSTRUCTION DETAILS

SCREEN INTERVAL:		ANNULAR SEAL:	BENTONITE PELLETS
CASING DEPTH:		FILTER PACK:	#3 SAND
CASING DIAMETER (in.):		SLOT SIZE:	

Sample Type†: SD=Soil Drive SG=Soil Grab GW=Groundwater V=Vapor



Reference: USGS 7.5' Los Angeles Topographic Quadrangle, 2012.

FIGURE 1 - VICINITY MAP
777 S. Alameda Street,
Los Angeles, California 90021

Drawn By: MCS	Job # 3666
Checked By: CIB	Date: March 2024

California Environmental

3666 Vicinity Map



EXPLANATION

- Historical Location of 5' soil gas sample (HMC 2013)
- Historical Location of 5' soil & soil gas sample (HMC 2013)
- Historical Location of 5' soil sample with Lead > Residential SL (HMC 2013)
- Historical Location of 5' soil gas sample with VOCs > Residential SL (HMC 2013)

Scale
0 50 100 ft.
1 inch = 100 feet

N W E S

References: Google Earth; HMC, Phase II, 777 S. Alameda St, LA, CA, February 6, 2013.

FIGURE 2 - Historical Assessment Plan

California Environmental			
Client	Atlas Capital Group, LLC c/o DLA Piper	Job #	EV0323-3666
Location	777 S. Alameda Street	By	RTB
Date:	March 2024	Checked By	CIB



EXPLANATION

- CE Boring Location for soil & soil gas samples (2024)
- CE Ambient Air Grab Sample

Scale
0 50 100 ft.
1 inch = 100 feet

N W E S

FIGURE 3 - CE ASSESSMENT PLAN

References: Google Earth; HMC, Phase II, 777 S. Alameda St, LA, CA, February 6, 2013.

California Environmental			
Client	Atlas Capital Group, LLC c/o DLA Piper	Job #	EV0323-3666
Location	777 S. Alameda Street	By	RTB
Date:	March 2024	Checked By	CIB



EXPLANATION

- Historical Location of soil sample (HMC 2013)
- CE Boring Location (2024)
- Area of Lead/Arsenic Impacted Soil

Scale
0 50 100 ft.
1 inch = 100 feet

N W E S

References: Google Earth; HMC, Phase II, 777 S. Alameda St, LA, CA, February 6, 2013.

FIGURE 4 - METALS IN SOIL ABOVE RESIDENTIAL GOALS

California Environmental

Client	Atlas Capital Group, LLC c/o DLA Piper	Job #	EV0323-3666
Location	777 S. Alameda Street	By	RTB
Date:	March 2024	Checked By	CIB



EXPLANATION

- Historical Location of 5' soil gas sample (HMC 2013)
- CE Soil Gas sample Locations (2024)
- CE Ambient Air Grab Sample
- Area of PCE in Soil Gas that Exceeds DTSC Residential Soil Gas Goal

Scale
0 50 100 ft.
1 inch = 100 feet

N W E S

References: Google Earth; HMC, Phase II, 777 S. Alameda St, LA, CA, February 6, 2013.

FIGURE 5 - PCE IN SOIL GAS ABOVE RESIDENTIAL GOALS

California Environmental			
Client	Atlas Capital Group, LLC c/o DLA Piper	Job #	EV0323-3666
Location	777 S. Alameda Street	By	RTB
Date:	March 2024	Checked By	CIB

APPENDIX I

Table I - Laboratory Analysis of Soil Gas – TPH & VOCs
Table II - Laboratory Analysis of Soil – Metals
Table III - Laboratory Analysis of Soil Gas & Ambient Air – VOCs
Table IV – Ambient Air Predicted Cancer Risk Range

TABLE I

Laboratory Analysis of Soil - TPH & VOCs

777 S. Alameda Street,

Los Angeles, California 90021

Sample ID	Date	EPA Method 8015B (mg/Kg)		EPA Method 8260B/5035 (µg/Kg)														
		TPH as Motor Oil (C17-C44)	DRO (C10-C28)	GRO (C4-12)	Benzene	Toluene	Xylenes	PCE	TCE	cis-1,2-DCE	trans-1,2-DCE	1,1-DCE	Acetone	p-Isopropyltoluene	tert-Butyl Alcohol	2-Butanone	All Other Analytes
CEB1-2ft	2/27/2024	210 F1	30	<72	0.21 J	<0.72	<1.4	11	<1.4	<0.72	<0.72	<0.72	46	<0.72	<14	4.8 J	ND
CEB1-5ft	2/27/2024	25 J	8.4	<76	0.87	0.22 J	<1.5	5.8	<1.5	<0.76	<0.76	<0.76	20	<0.76	<15	<15	ND
CEB1-15ft	2/27/2024	<24	<4.8	<74	4.4	0.47 J	<1.5	1.2	<1.5	<0.74	<0.74	<0.74	15	<0.74	<15	<15	ND
CEB2-2ft	2/27/2024	110	31	<76	0.88	0.22 J	<1.5	0.91	<1.5	<0.76	<0.76	<0.76	24	<0.76	<15	<15	ND
CEB2-5ft	2/27/2024	<25	<4.9	<70	0.82	0.30 J	<1.4	1.3	<1.4	<0.70	<0.70	<0.70	64	<0.70	5.4 J	4.2 J	ND
CEB2-10ft	2/27/2024	<25	<4.9	<80	1.1	0.46 J	<1.6	0.26 J	<1.6	<0.80	<0.80	<0.80	34	<0.80	<16	<16	ND
CEB3-2ft	2/27/2024	27	10	<66	1.3	0.41 J	1.35 J	0.16 J	<1.3	<0.66	<0.66	<0.66	17	<0.66	<13	<13	Ethylbenzene - 0.27 J
CEB3-5ft	2/27/2024	<25	<5.0	<76	1.7	0.48 J	0.46 J	0.33 J	<1.5	<0.76	<0.76	<0.76	25	<0.76	6.5 J	<15	ND
CEB3-10ft	2/27/2024	<24	6.5	<75	1.1	0.46 J	<1.5	<0.75	<1.5	<0.75	<0.75	<0.75	16	<0.75	<15	<15	ND
CEB3-15ft	2/27/2024	<24	3.8 J	<81	<0.81	<0.81	<1.6	<0.81	<1.6	<0.81	<0.81	<0.81	14 J	<0.81	<16	<16	ND
CEB4-2ft	2/27/2024	<25	<5.0	<81	0.83	0.38 J	<1.6	0.74 J	<1.6	<0.81	<0.81	<0.81	35	<0.81	6.4 J	<16	ND
CEB4-10ft	2/27/2024	<25	6.7	<83	0.61 J	0.35 J	<1.7	<0.83	<1.7	<0.83	<0.83	<0.83	17	<0.83	6.7 J	<17	ND
CEB4-15ft	2/27/2024	<25	5.6	<81	0.50 J	0.42 J	<1.6	<0.81	<1.6	<0.81	<0.81	<0.81	16	<0.81	<16	<16	ND
CEB5-2ft	2/27/2024	<25	6.5	<85	0.82 J	0.43 J	<1.7	0.60 J	<1.7	<0.85	<0.85	<0.85	28	<0.85	<17	<17	ND
CEB5-5ft	2/27/2024	39	31	<110	0.57 J	2.0	<2.1	<1.1	<2.1	<1.1	<1.1	<1.1	78	<1.1	<21	14 J	Carbon disulfide - 1.2 J
CEB5-10ft	2/27/2024	<24	5.2	<89	0.25 J	<0.89	<1.8	<0.89	<1.8	<0.89	<0.89	<0.89	12 J	<0.89	<18	<18	ND
CEB5-15ft	2/27/2024	<25	<5.0	<87	0.43 J	0.27 J	<1.7	<0.87	<1.7	<0.87	<0.87	<0.87	9.1 J	<0.87	<17	<17	ND
CEB6-2ft	2/27/2024	<25	<5.0	<77	0.9	0.35 J	<1.5	0.84	<1.5	<0.77	<0.77	<0.77	32	<0.77	<15	<15	ND
CEB6-5ft	2/27/2024	<25	<5.0	<77	1.7	0.60J	<1.5	1.0	<1.5	<0.77	<0.77	<0.77	17	<0.77	<15	<15	ND
CEB7-10ft	2/28/2024	<25	5.6	<76	0.56 J	0.31 J	<2.26	<0.76	<1.5	<0.76	<0.76	<0.76	14 J	<0.76	5.7 J	<15	ND
CEB8-2ft	2/28/2024	<25	7	<74	0.26 J	<0.74	<2.26	<0.74	<1.5	<0.74	<0.74	<0.74	30	<0.74	<15	<15	ND
CEB8-5ft	2/28/2024	<25	4.2 J	<72	1.8	0.81 J	0.36 J	<0.72	<1.4	<0.72	<0.72	<0.72	23	<0.72	<14	<14	ND
CEB9-2ft	2/28/2024	<25	9.6	<75	1.2	0.57 J	<2.26	<0.75	<1.5	<0.75	<0.75	<0.75	27	<0.75	<15	<15	ND
CEB9-5ft	2/28/2024	<25	13	<78	0.82	0.27 J	<2.38	0.27 J	<1.6	<0.78	<0.78	<0.78	85	<0.78	5.8 J	5.4 J	ND
CEB10-2ft	2/28/2024	<25	5.1	<75	0.89	0.59 J	1.01 J	0.21 J	<1.7	<0.84	<0.84	<0.84	75	<0.84	<17	4.0 J	Ethylbenzene - 0.20 J
CEB10-5ft	2/28/2024	<25	<5.0	<78	0.63 J	0.52 J	0.52 J	<0.84	<1.7	<0.84	<0.84	<0.84	12 J	<0.84	<17	<17	ND

Legend

Bold - analyte detected

mg/Kg - milligrams per kilogram

µg/Kg - micrograms per kilogram

ND - Non-detect (analyte not detected at or above the reporting limit)

J - Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

F1 - MS and/or MSD recovery exceeds control limits.

DRO - Diesel Range Organics; GRO - Gasoline Range Organics

PCE - Tetrachloroethylene; TCE - Trichloroethylene

DCE - Dichloroethene

TABLE II

Laboratory Analysis of Soil - Metals

777 S. Alameda Street,

Los Angeles, California 90021

Sample ID	Date	Metals - EPA 6010B/7471A (mg/Kg)																EPA 6010B mg/L	
		Antimony	Arsenic	Barium	Beryllium	Cadmium	Chromium	Cobalt	Copper	Lead	Mercury	Molybdenum	Nickel	Selenium	Silver	Thallium	Vanadium	Zinc	Lead - STLC	Lead - TCLP
CE81-2ft	2/27/2024	5.73 J	15.2	122	0.123 J	3.77	16.3	6.29	181	275	0.425	1.77 J	17	<2.96	<1.48	<9.85	25.3	1600	32.4	1.42
CE81-5ft	2/27/2024	<10.1	1.86 J	91.1	0.239 J	<0.503	12.9	5.95	14.3	21.9	0.285	0.616 J	8.25	<3.02	<1.51	<10.1	32.3	45.3	--	--
CE81-15ft	2/27/2024	<9.85	<2.96	47	0.148 J	<0.493	7.7	4.11	5.69	1.53 J	0.0648 J	0.825 J	4.06	<2.96	<1.48	<9.85	21.6	22.6	--	--
CE82-2ft	2/27/2024	<10	3.05	40.3	0.288 J	<0.500	17	4.84	43.4	31.2	0.282	0.550*	11.6	<3.00	<1.50	<10	19.8	55.1	--	--
CE82-5ft	2/27/2024	<9.86	<2.96	38	0.197 J	<0.493	4.52	2.59	5.59	5.67	0.182	<1.97	11.3	1.27 J	<1.48	<9.85	17.4	19.9	--	--
CE82-10ft	2/27/2024	<9.80 F1	<2.94	65.4	0.196 J	<0.490	9.44	4.71	8.47	1.91 J	0.0355 J	<1.96	5.87	<2.94	<9.80	<9.80	25.4	28.2	--	--
CE83-2ft	2/27/2024	<9.90	<2.97	80	0.421 J	<0.495	11.8	5.52	17.1	5.64	0.105	0.681 J	8.0	<2.97	<1.49	<9.90	29.1	36.7	--	--
CE83-5ft	2/27/2024	<9.80	<2.94	65.5	0.331 J	<0.490	10	4.61	10.6	3.0	0.22	<1.96	6.57	<2.94	<1.47	<9.80	26.9	31.8	--	--
CE83-10ft	2/27/2024	<9.90	1.71 J	82.3	0.408 J	<0.495	11.3	5.33	13.3	2.78	0.0516 J	<1.98	7.59	<2.97	<1.49	<9.90	28.5	34.5	--	--
CE83-15ft	2/27/2024	<9.95	<2.99	28.1	0.174 J	<0.498	3.31	1.77	3.51	1.42 J	0.0389 J	<1.99	1.97 J	<2.99	<1.49	<9.95	10.8	13.2	--	--
CE84-2ft	2/27/2024	<9.85	<2.96	56.1	0.308 J	<0.493	8.55	4.04	9.42	2.34	0.0652 J	1.97	5.52	<2.96	<1.48	<9.85	25.6	27.9	--	--
CE84-10ft	2/27/2024	<9.85	<2.96	75.3	0.369 J	<0.493	10.8	5.02	11.8	2.5	0.0554J	<1.97	7.09	<2.96	<1.48	<9.85	28.5	32.7	--	--
CE84-15ft	2/27/2024	<10.1	<3.02	34.1	0.201 J	<0.503	5	2.3	4.47	1.18 J	0.0596 J	<2.01	2.45	<3.02	<1.51	<10.1	16.3	15.2	--	--
CE85-2ft	2/27/2024	<9.90	<2.97	55.8	0.309 J	<0.495	9.31	4.1	15.1	71	0.112	0.532 J	6.01	<2.97	<1.49	<9.90	25.1	39.5	--	--
CE85-5ft	2/27/2024	<9.90	<2.97	67.7	0.309 J	<0.495	9.8	4.65	10.5	1.92 J	<0.0817	<1.98	6.34	<2.97	<1.49	<9.90	26.7	29.5	--	--
CE85-10ft	2/27/2024	<9.80	<2.94	26.9	0.196 J	<0.490	3.85	2.02	4.71	1.41 J	<0.0720 J	<1.96	2.52	<2.94	<1.47	<9.80	10.9	13.7	--	--
CE85-15ft	2/27/2024	<9.80	<2.94	24.5	0.172 J	<0.490	3.28	1.85	3.95	1.18 J	0.0572 J	<1.96	2	<2.94	<1.47	<9.80	10.6	11.6	--	--
CE86-2ft	2/27/2024	<10.1	<3.02	59.2	0.289 J	<0.503	8.74	3.99	9.97	4.86	0.0293 J	<2.01	5.69	<3.02	<1.51	<10.1	23.4	28.1	--	--
CE86-5ft	2/27/2024	<9.85	2.40 J	114	0.53	<0.493	16.6	7.65	19.3	3.53	0.0601 J	<1.97	11.3	<2.96	<1.48	<9.85	39.5	51.6	--	--
CE87-10ft	2/28/2024	<10.1 F1	<3.02	53.7 F1	0.302 J	<0.503	9.37 F1	4.15 F1	8.37	1.66 J	0.602	<2.01	5.41 F1	<3.02 F1	<1.51	<10.1	28.9 F1	26.7 F1	--	--
CE88-2ft	2/28/2024	<10.2	<3.05	66.1	0.178 J	<0.508	11.1	5.08	10.7	3.32	0.0591 J	0.546 J	6.95	<3.05	<1.52	<10.2	29.7	31.5	--	--
CE88-5ft	2/28/2024	<10.2	<3.06	41.8	0.0893 J	<0.510	7.22	3.2	5.75	1.8 J	0.0466 J	<2.04	3.62	<3.06	<1.53	<10.2	21.2	19.4	--	--
CE89-2ft	2/28/2024	<10.2	<3.06	66.4	0.166 J	<0.510	10	4.97	9.91	2.13	0.0443 J	<2.04	6.06	<3.06	<1.53	<10.2	27.7	30.7	--	--
CE89-5ft	2/28/2024	<10.2	<3.06	92.3	0.217 J	<0.510	12.8	6.36	13.2	4.72	0.0911	<2.04	8.06	<3.06	<1.53	<10.2	33.1	38.8	--	--
CE810-2ft	2/28/2024	<10.2	2.64 J	69.6	0.266 J	<0.508	8.63	5.99	23.6	8.53	0.0491 J	<2.03	10.6	<3.05	<1.52	<10.2	23.2	57	--	--
CE810-5ft	2/28/2024	<10.2	1.62 J	71.8	0.140 J	<0.508	10.9	5.09	9.02	1.99	0.0429 J	<2.03	6.68	<3.05	<1.52	<10.2	29.6	30.9	--	--

Legend

Bold - analyte detected

mg/Kg - milligrams per kilogram

-- Not Analyzed

J - Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

F1 - MS and/or MSD recovery exceeds control limits.

TABLE III

Laboratory Analysis of Soil Gas & Ambient Air - VOCs

777 S Alameda Street

Los Angeles, California 90021

Sample ID	Date	EPA Method TO-15 (µg/m³)													
		B	T	E	X	PCE	TCE	Acetone	Carbon Disulfide	Vinyl Chloride	1,1,1-Trichloroethane	Chloroform	R12	R11	LCC	All Other Detected Analytes
CESG 1-15ft	2/29/2024	<75	<75	<75	<225	**6500 **d**	<90	<300	<75	<75	<90	<75	<75	**170**	<300	ND
CESG 1-15ft DUP	2/29/2024	<75	<75	<75	<225	**4800 ****	<90	<300	<75	<75	<90	<75	<75	**810**	<300	ND
CESG 1-25ft	2/29/2024	<20	**99**	**150**	**960**	**1800 **b**	<24	<80	<20	<20	<24	<20	**21**	**100**	<80	ND
CESG 2-25ft	2/29/2024	<20	<20	**33**	**256**	**3300 **e**	<24	<80	<20	<20	<24	<20	**45**	**68**	<80	ND
CESG 3-15ft	2/29/2024	<2.5	**3.3**	**83**	**360 **b**	**230 **b**	<3.0	**18**	**2.6**	<2.5	<3.0	<2.5	**8.1**	**16**	<10	2-Hexanone 18 µg/m³
CESG 3-25ft	2/29/2024	<20	<20	**33**	**271**	**890**	<24	<80	<20	<20	<24	<20	**30**	**25**	<80	ND
CESG 4-25ft	2/29/2024	<20	**25**	**62**	**402**	**2600 **c**	<24	<80	<20	<20	<24	<20	**70**	**130**	<80	ND
CESG 5-15ft	2/29/2024	<20	**27**	<20	<60	**420**	<24	<80	<20	<20	<24	<20	**23**	**27**	<80	ND
CESG 5-25ft	2/29/2024	<20	<20	**39**	<7.5	**860**	<24	<80	<20	<20	<24	<20	**35**	**43**	<80	ND
CESG 6-25ft	2/29/2024	<20	<20	**39**	**316**	**2900 **c**	<24	<80	<20	<20	<24	<20	**53**	**110**	<80	ND
CESG 7-15ft	2/29/2024	<20	<20	**<20**	**67**	**460**	<24	<80	<20	<20	<24	<20	**25**	**52**	<80	ND
CESG 7-25ft	2/29/2024	<20	<20	**230**	**1410 **a**	**1400 **a**	<24	<80	<20	<20	<24	<20	**32**	**78**	<80	ND
CESG 8-25ft	2/29/2024	<20	<20	**20**	**151**	**550**	<24	<80	<20	<20	<24	<20	**86**	**62**	<80	ND
CESG 9-15ft	2/29/2024	<20	**27**	**44**	**275**	**130**	<24	<80	<20	<20	<24	<20	**69**	**34**	<80	ND
CESG 9-25ft	2/29/2024	<20	<20	**39**	**264**	**300**	<24	<80	<20	<20	<24	<20	**110**	**54**	<80	ND
CESG 10-25ft	2/29/2024	<20	<20	<20	<60	**510**	<24	<80	<20	<20	<24	<20	<20	<24	<80	ND
Ambient Air	2/29/2024	<2.5	<2.5	<2.5	<7.5	<3.5	<3.0	**19**	<2.5	<2.5	<3.0	<2.5	<2.5	<3.0	<10	**Isobutane - 2.5 µg/m³**

Legend

Bold - Analyte Detected

ND - Non-detect (analyte NOT DETECTED at or above the reporting limit)

** - Result obtained from DF=120

**a - Result obtained from DF=25

**b - Result obtained from DF=30

**c - Result obtained from DF=50

**d - Result obtained from DF=60

**e - Result obtained from DF=75

B – Benzene; T - Toluene; E - Ethylbenzene; X – Xylene; PCE – Tetrachloroethene; TCE – Tricholoroethene;

R12 - Dichlorodifluoromethane; R11 - Trichlorofluoromethane; LCC (Leak Check Compound) - Isopropanol

TABLE IV

Ambient Air Predicted Future Cancer Risk Range

777 S Alameda St

Los Angeles, California

Volatile Organic Compound	Maximum Concentration Detected (µg/m3)	Attenuation Factor	Predicted Indoor Air Concentration (µg/m3)	DTSC HHRA Note 3 Ambient Air Cancer SLs (µg/m3)		Predicted Cancer Risk Range	DTSC HHRA Note 3 Ambient Air Non-Cancer SLs (SFRWQCB ESL) (µg/m3)		Predicted Hazard Quotient
Ethylbenzene	230	0.03	6.90E+00	Residential	1.10E+00	**6.27E-06**	Residential	1.00E+03	**6.90E-03**
Toluene	99	0.03	2.97E+00	Residential	--	--	Residential	3.10E+02	**9.58E-03**
Xylenes	1410	0.03	4.23E+01	Residential	--	--	Residential	1.00E+02	**4.23E-01**
Acetone	19	0.03	5.70E-01	Residential	--	--	Residential	1.00E+06	**5.70E-07**
PCE	3300	0.03	9.90E+01	Residential	4.60E-01	**2.15E-04**	Residential	4.20E+01	**2.36E+00**
Trichlorofluoromethane (R11)	110	0.03	3.30E+00	Residential	--	--	Residential	1.30E+03	**2.54E-03**

Estimated Cumulative Risk (0.03 AF) = **2.21E-04**

Estimated Cumulative Hazard Quotient (0.03 AF) = **2.80E+00**

APPENDIX II

Laboratory Test Reports

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Eric Koons
California Environmental
30423 Canwood Street
Suite 208
Agoura Hills, California 91301

Generated 3/5/2024 12:08:43 PM

JOB DESCRIPTION

#3666 / 777 S. Alameda Street

JOB NUMBER

570-174146-1

Eurofins Calscience
2841 Dow Avenue, Suite 100
Tustin CA 92780

See page two for job notes and contact information.

my EOL

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

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Table of Contents

Cover Page 1
Table of Contents 3
Definitions/Glossary 4
Case Narrative 5
Detection Summary 6
Client Sample Results 13
Surrogate Summary 64
QC Sample Results 66
QC Association Summary 75
Lab Chronicle 81
Certification Summary 91
Method Summary 92
Sample Summary 93
Chain of Custody 94
Receipt Checklists 99

Definitions/Glossary

Client: California Environmental
Job ID: 570-174146-1
Project/Site: #3666 / 777 S. Alameda Street

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*+	LCS and/or LCSD is outside acceptance limits, high biased.
*1	LCS/LCSD RPD exceeds control limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

GC Semi VOA

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Metals

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Job Narrative
570-174146-1

Receipt
The samples were received on 2/27/2024 6:20 PM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 3.1° C.

Receipt Exceptions
The number of containers for the following samples did not match the information listed on the Chain-of-Custody (COC): CEB6-10' (570-174146-23) and CEB6-15' (570-174146-24). Received 1 containers, while the COC lists 4.

GC/MS VOA
Method 8260B: The following analyte(s) recovered outside control limits for the LCS associated with analytical batch 570-415139: tert-Butyl alcohol (TBA). This is not indicative of a systematic control problem because these were random marginal exceedances. Qualified results have been reported.

Method 8260B: The RPD of the laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for analytical batch 570-415139 recovered outside control limits for the following analytes: Ethanol and tert-Butyl alcohol (TBA). Laboratory control sample / laboratory control sample duplicate (LCS/LCSD) percent recovery is in control for affected analytes.

Method 8260B: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with analytical batch 570-415139.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

GC Semi VOA
Method 8015B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 570-414991 and analytical batch 570-415447 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Metals
Method 6010B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 570-415099 and analytical batch 570-416566 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Organic Prep
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

VOA Prep
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Detection Summary

Client: California Environmental
Project/Site: #3666 / 777 S. Alameda Street

Job ID: 570-174146-1

Client Sample ID: CEB1-2'

Lab Sample ID: 570-174146-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
2-Butanone	4.8	J	14	3.3	ug/Kg	1		8260B	Total/NA
Acetone	46		14	7.1	ug/Kg	1		8260B	Total/NA
Benzene	0.21	J	0.72	0.19	ug/Kg	1		8260B	Total/NA
Tetrachloroethene	11		0.72	0.16	ug/Kg	1		8260B	Total/NA
Diesel Range Organics [C10-C28]	30		25	19	mg/Kg	5		8015B	Total/NA
TPH as Motor Oil (C17-C44)	210	F1	130	57	mg/Kg	5		8015B	Total/NA
Antimony	5.73	J	9.85	2.81	mg/Kg	5		6010B	Total/NA
Arsenic	15.2		2.96	1.37	mg/Kg	5		6010B	Total/NA
Barium	122		2.96	0.140	mg/Kg	5		6010B	Total/NA
Beryllium	0.123	J	0.493	0.0680	mg/Kg	5		6010B	Total/NA
Cadmium	3.77		0.493	0.162	mg/Kg	5		6010B	Total/NA
Chromium	16.3		0.985	0.183	mg/Kg	5		6010B	Total/NA
Cobalt	6.29		0.985	0.203	mg/Kg	5		6010B	Total/NA
Copper	181		1.97	0.944	mg/Kg	5		6010B	Total/NA
Lead	275		1.97	0.403	mg/Kg	5		6010B	Total/NA
Molybdenum	1.77	J	1.97	0.507	mg/Kg	5		6010B	Total/NA
Nickel	17.0		1.97	0.357	mg/Kg	5		6010B	Total/NA
Vanadium	25.3		0.985	0.166	mg/Kg	5		6010B	Total/NA
Zinc	1600		4.93	1.14	mg/Kg	5		6010B	Total/NA
Mercury	0.425		0.0833	0.0220	mg/Kg	1		7471A	Total/NA

Client Sample ID: CEB1-5'

Lab Sample ID: 570-174146-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	20		15	7.5	ug/Kg	1		8260B	Total/NA
Benzene	0.87		0.76	0.20	ug/Kg	1		8260B	Total/NA
Tetrachloroethene	5.8		0.76	0.17	ug/Kg	1		8260B	Total/NA
Toluene	0.22	J	0.76	0.21	ug/Kg	1		8260B	Total/NA
Diesel Range Organics [C10-C28]	8.4		5.1	4.0	mg/Kg	1		8015B	Total/NA
TPH as Motor Oil (C17-C44)	25	J	26	12	mg/Kg	1		8015B	Total/NA
Arsenic	1.86	J	3.02	1.40	mg/Kg	5		6010B	Total/NA
Barium	91.1		3.02	0.143	mg/Kg	5		6010B	Total/NA
Beryllium	0.239	J	0.503	0.0693	mg/Kg	5		6010B	Total/NA
Chromium	12.9		1.01	0.187	mg/Kg	5		6010B	Total/NA
Cobalt	5.95		1.01	0.207	mg/Kg	5		6010B	Total/NA
Copper	14.3		2.01	0.963	mg/Kg	5		6010B	Total/NA
Lead	21.9		2.01	0.411	mg/Kg	5		6010B	Total/NA
Molybdenum	0.616	J	2.01	0.518	mg/Kg	5		6010B	Total/NA
Nickel	8.25		2.01	0.364	mg/Kg	5		6010B	Total/NA
Vanadium	32.3		1.01	0.169	mg/Kg	5		6010B	Total/NA
Zinc	45.3		5.03	1.16	mg/Kg	5		6010B	Total/NA
Mercury	0.285		0.0850	0.0224	mg/Kg	1		7471A	Total/NA

Client Sample ID: CEB1-15'

Lab Sample ID: 570-174146-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	15		15	7.2	ug/Kg	1		8260B	Total/NA
Benzene	4.4		0.74	0.19	ug/Kg	1		8260B	Total/NA
Tetrachloroethene	1.2		0.74	0.16	ug/Kg	1		8260B	Total/NA
Toluene	0.47	J	0.74	0.20	ug/Kg	1		8260B	Total/NA
Barium	47.0		2.96	0.140	mg/Kg	5		6010B	Total/NA
Beryllium	0.148	J	0.493	0.0680	mg/Kg	5		6010B	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: CEB1-15' (Continued)

Lab Sample ID: 570-174146-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chromium	7.70		0.985	0.183	mg/Kg	5		6010B	Total/NA
Cobalt	4.11		0.985	0.203	mg/Kg	5		6010B	Total/NA
Copper	5.69		1.97	0.944	mg/Kg	5		6010B	Total/NA
Lead	1.53	J	1.97	0.403	mg/Kg	5		6010B	Total/NA
Molybdenum	0.825	J	1.97	0.507	mg/Kg	5		6010B	Total/NA
Nickel	4.06		1.97	0.357	mg/Kg	5		6010B	Total/NA
Vanadium	21.6		0.985	0.166	mg/Kg	5		6010B	Total/NA
Zinc	22.6		4.93	1.14	mg/Kg	5		6010B	Total/NA
Mercury	0.0648	J	0.0801	0.0212	mg/Kg	1		7471A	Total/NA

Client Sample ID: CEB2-2'

Lab Sample ID: 570-174146-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	24		15	7.5	ug/Kg	1		8260B	Total/NA
Benzene	0.88		0.76	0.20	ug/Kg	1		8260B	Total/NA
Tetrachloroethene	0.91		0.76	0.17	ug/Kg	1		8260B	Total/NA
Toluene	0.22	J	0.76	0.20	ug/Kg	1		8260B	Total/NA
Diesel Range Organics [C10-C28]	31		4.9	3.8	mg/Kg	1		8015B	Total/NA
TPH as Motor Oil (C17-C44)	110		24	11	mg/Kg	1		8015B	Total/NA
Arsenic	3.05		3.00	1.39	mg/Kg	5		6010B	Total/NA
Barium	40.3		3.00	0.142	mg/Kg	5		6010B	Total/NA
Beryllium	0.288	J	0.500	0.0690	mg/Kg	5		6010B	Total/NA
Chromium	17.0		1.00	0.186	mg/Kg	5		6010B	Total/NA
Cobalt	4.84		1.00	0.206	mg/Kg	5		6010B	Total/NA
Copper	43.4		2.00	0.958	mg/Kg	5		6010B	Total/NA
Lead	31.2		2.00	0.409	mg/Kg	5		6010B	Total/NA
Molybdenum	0.550	J	2.00	0.515	mg/Kg	5		6010B	Total/NA
Nickel	11.6		2.00	0.362	mg/Kg	5		6010B	Total/NA
Vanadium	19.8		1.00	0.168	mg/Kg	5		6010B	Total/NA
Zinc	55.1		5.00	1.16	mg/Kg	5		6010B	Total/NA
Mercury	0.282		0.0786	0.0208	mg/Kg	1		7471A	Total/NA

Client Sample ID: CEB2-5'

Lab Sample ID: 570-174146-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
2-Butanone	4.2	J	14	3.2	ug/Kg	1		8260B	Total/NA
Acetone	64		14	6.9	ug/Kg	1		8260B	Total/NA
Benzene	0.82		0.70	0.18	ug/Kg	1		8260B	Total/NA
tert-Butyl alcohol (TBA)	5.4	J *1 *+	14	4.9	ug/Kg	1		8260B	Total/NA
Tetrachloroethene	1.3		0.70	0.16	ug/Kg	1		8260B	Total/NA
Toluene	0.30	J	0.70	0.19	ug/Kg	1		8260B	Total/NA
Barium	38.0		2.96	0.140	mg/Kg	5		6010B	Total/NA
Beryllium	0.197	J	0.493	0.0680	mg/Kg	5		6010B	Total/NA
Chromium	4.52		0.985	0.183	mg/Kg	5		6010B	Total/NA
Cobalt	2.59		0.985	0.203	mg/Kg	5		6010B	Total/NA
Copper	5.59		1.97	0.944	mg/Kg	5		6010B	Total/NA
Lead	5.67		1.97	0.403	mg/Kg	5		6010B	Total/NA
Nickel	11.3		1.97	0.357	mg/Kg	5		6010B	Total/NA
Selenium	1.27	J	2.96	1.20	mg/Kg	5		6010B	Total/NA
Vanadium	17.4		0.985	0.166	mg/Kg	5		6010B	Total/NA
Zinc	19.9		4.93	1.14	mg/Kg	5		6010B	Total/NA
Mercury	0.182		0.0850	0.0224	mg/Kg	1		7471A	Total/NA

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: California Environmental
Project/Site: #3666 / 777 S. Alameda Street

Job ID: 570-174146-1

Client Sample ID: CEB2-10'

Lab Sample ID: 570-174146-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	34		16	7.9	ug/Kg	1		8260B	Total/NA
Benzene	1.1		0.80	0.21	ug/Kg	1		8260B	Total/NA
Tetrachloroethene	0.26	J	0.80	0.18	ug/Kg	1		8260B	Total/NA
Toluene	0.46	J	0.80	0.22	ug/Kg	1		8260B	Total/NA
Barium	65.4		2.94	0.139	mg/Kg	5		6010B	Total/NA
Beryllium	0.196	J	0.490	0.0676	mg/Kg	5		6010B	Total/NA
Chromium	9.44		0.980	0.182	mg/Kg	5		6010B	Total/NA
Cobalt	4.71		0.980	0.202	mg/Kg	5		6010B	Total/NA
Copper	8.47		1.96	0.939	mg/Kg	5		6010B	Total/NA
Lead	1.91	J	1.96	0.401	mg/Kg	5		6010B	Total/NA
Nickel	5.87		1.96	0.355	mg/Kg	5		6010B	Total/NA
Vanadium	25.4		0.980	0.165	mg/Kg	5		6010B	Total/NA
Zinc	28.8		4.90	1.13	mg/Kg	5		6010B	Total/NA
Mercury	0.0355	J	0.0833	0.0220	mg/Kg	1		7471A	Total/NA

Client Sample ID: CEB3-2'

Lab Sample ID: 570-174146-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	17		13	6.5	ug/Kg	1		8260B	Total/NA
Benzene	1.3		0.66	0.17	ug/Kg	1		8260B	Total/NA
Ethylbenzene	0.27	J	0.66	0.14	ug/Kg	1		8260B	Total/NA
o-Xylene	0.35	J	0.66	0.17	ug/Kg	1		8260B	Total/NA
m,p-Xylene	1.0	J	1.3	0.31	ug/Kg	1		8260B	Total/NA
Tetrachloroethene	0.16	J	0.66	0.15	ug/Kg	1		8260B	Total/NA
Toluene	0.41	J	0.66	0.18	ug/Kg	1		8260B	Total/NA
Diesel Range Organics [C10-C28]	10		4.9	3.7	mg/Kg	1		8015B	Total/NA
TPH as Motor Oil (C17-C44)	27		24	11	mg/Kg	1		8015B	Total/NA
Barium	80.0		2.97	0.141	mg/Kg	5		6010B	Total/NA
Beryllium	0.421	J	0.495	0.0683	mg/Kg	5		6010B	Total/NA
Chromium	11.8		0.990	0.184	mg/Kg	5		6010B	Total/NA
Cobalt	5.52		0.990	0.204	mg/Kg	5		6010B	Total/NA
Copper	17.1		1.98	0.949	mg/Kg	5		6010B	Total/NA
Lead	5.64		1.98	0.405	mg/Kg	5		6010B	Total/NA
Molybdenum	0.681	J	1.98	0.510	mg/Kg	5		6010B	Total/NA
Nickel	8.00		1.98	0.358	mg/Kg	5		6010B	Total/NA
Vanadium	29.1		0.990	0.166	mg/Kg	5		6010B	Total/NA
Zinc	36.7		4.95	1.14	mg/Kg	5		6010B	Total/NA
Mercury	0.105		0.0801	0.0212	mg/Kg	1		7471A	Total/NA

Client Sample ID: CEB3-5'

Lab Sample ID: 570-174146-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	25		15	7.5	ug/Kg	1		8260B	Total/NA
Benzene	1.7		0.76	0.20	ug/Kg	1		8260B	Total/NA
m,p-Xylene	0.46	J	1.5	0.36	ug/Kg	1		8260B	Total/NA
tert-Butyl alcohol (TBA)	6.5	J *1 *+	15	5.3	ug/Kg	1		8260B	Total/NA
Tetrachloroethene	0.33	J	0.76	0.17	ug/Kg	1		8260B	Total/NA
Toluene	0.48	J	0.76	0.21	ug/Kg	1		8260B	Total/NA
Barium	65.5		2.94	0.139	mg/Kg	5		6010B	Total/NA
Beryllium	0.331	J	0.490	0.0676	mg/Kg	5		6010B	Total/NA
Chromium	10.0		0.980	0.182	mg/Kg	5		6010B	Total/NA
Cobalt	4.61		0.980	0.202	mg/Kg	5		6010B	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: CEB3-5' (Continued)

Lab Sample ID: 570-174146-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Copper	10.6		1.96	0.939	mg/Kg	5		6010B	Total/NA
Lead	3.00		1.96	0.401	mg/Kg	5		6010B	Total/NA
Nickel	6.57		1.96	0.355	mg/Kg	5		6010B	Total/NA
Vanadium	26.9		0.980	0.165	mg/Kg	5		6010B	Total/NA
Zinc	31.8		4.90	1.13	mg/Kg	5		6010B	Total/NA
Mercury	0.220		0.0833	0.0220	mg/Kg	1		7471A	Total/NA

Client Sample ID: CEB3-10'

Lab Sample ID: 570-174146-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	16		15	7.4	ug/Kg	1		8260B	Total/NA
Benzene	1.1		0.75	0.19	ug/Kg	1		8260B	Total/NA
Toluene	0.46	J	0.75	0.20	ug/Kg	1		8260B	Total/NA
Diesel Range Organics [C10-C28]	6.5		4.8	3.7	mg/Kg	1		8015B	Total/NA
Arsenic	1.71	J	2.97	1.38	mg/Kg	5		6010B	Total/NA
Barium	82.3		2.97	0.141	mg/Kg	5		6010B	Total/NA
Beryllium	0.408	J	0.495	0.0683	mg/Kg	5		6010B	Total/NA
Chromium	11.3		0.990	0.184	mg/Kg	5		6010B	Total/NA
Cobalt	5.33		0.990	0.204	mg/Kg	5		6010B	Total/NA
Copper	13.3		1.98	0.949	mg/Kg	5		6010B	Total/NA
Lead	2.78		1.98	0.405	mg/Kg	5		6010B	Total/NA
Nickel	7.59		1.98	0.358	mg/Kg	5		6010B	Total/NA
Vanadium	28.5		0.990	0.166	mg/Kg	5		6010B	Total/NA
Zinc	34.5		4.95	1.14	mg/Kg	5		6010B	Total/NA
Mercury	0.0516	J	0.0833	0.0220	mg/Kg	1		7471A	Total/NA

Client Sample ID: CEB3-15'

Lab Sample ID: 570-174146-12

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	14	J	16	8.0	ug/Kg	1		8260B	Total/NA
Diesel Range Organics [C10-C28]	3.8	J	4.9	3.8	mg/Kg	1		8015B	Total/NA
Barium	28.1		2.99	0.141	mg/Kg	5		6010B	Total/NA
Beryllium	0.174	J	0.498	0.0687	mg/Kg	5		6010B	Total/NA
Chromium	3.31		0.995	0.185	mg/Kg	5		6010B	Total/NA
Cobalt	1.77		0.995	0.205	mg/Kg	5		6010B	Total/NA
Copper	3.51		1.99	0.953	mg/Kg	5		6010B	Total/NA
Lead	1.42	J	1.99	0.407	mg/Kg	5		6010B	Total/NA
Nickel	1.97	J	1.99	0.360	mg/Kg	5		6010B	Total/NA
Vanadium	10.8		0.995	0.167	mg/Kg	5		6010B	Total/NA
Zinc	13.2		4.98	1.15	mg/Kg	5		6010B	Total/NA
Mercury	0.0389	J	0.0801	0.0212	mg/Kg	1		7471A	Total/NA

Client Sample ID: CEB4-2'

Lab Sample ID: 570-174146-13

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	35		16	8.0	ug/Kg	1		8260B	Total/NA
Benzene	0.83		0.81	0.21	ug/Kg	1		8260B	Total/NA
tert-Butyl alcohol (TBA)	6.4	J *1 *+	16	5.7	ug/Kg	1		8260B	Total/NA
Tetrachloroethene	0.74	J	0.81	0.18	ug/Kg	1		8260B	Total/NA
Toluene	0.38	J	0.81	0.22	ug/Kg	1		8260B	Total/NA
Barium	56.1		2.96	0.140	mg/Kg	5		6010B	Total/NA
Beryllium	0.308	J	0.493	0.0680	mg/Kg	5		6010B	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: CEB4-2' (Continued)

Lab Sample ID: 570-174146-13

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chromium	8.55		0.985	0.183	mg/Kg	5		6010B	Total/NA
Cobalt	4.04		0.985	0.203	mg/Kg	5		6010B	Total/NA
Copper	9.42		1.97	0.944	mg/Kg	5		6010B	Total/NA
Lead	2.34		1.97	0.403	mg/Kg	5		6010B	Total/NA
Nickel	5.52		1.97	0.357	mg/Kg	5		6010B	Total/NA
Vanadium	25.6		0.985	0.166	mg/Kg	5		6010B	Total/NA
Zinc	27.9		4.93	1.14	mg/Kg	5		6010B	Total/NA
Mercury	0.0652	J	0.0850	0.0224	mg/Kg	1		7471A	Total/NA

Client Sample ID: CEB4-10'

Lab Sample ID: 570-174146-15

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	17		17	8.2	ug/Kg	1		8260B	Total/NA
Benzene	0.61	J	0.83	0.21	ug/Kg	1		8260B	Total/NA
tert-Butyl alcohol (TBA)	6.7	J *1 *+	17	5.8	ug/Kg	1		8260B	Total/NA
Toluene	0.35	J	0.83	0.22	ug/Kg	1		8260B	Total/NA
Diesel Range Organics [C10-C28]	6.7		5.1	3.9	mg/Kg	1		8015B	Total/NA
Barium	75.3		2.96	0.140	mg/Kg	5		6010B	Total/NA
Beryllium	0.369	J	0.493	0.0680	mg/Kg	5		6010B	Total/NA
Chromium	10.8		0.985	0.183	mg/Kg	5		6010B	Total/NA
Cobalt	5.02		0.985	0.203	mg/Kg	5		6010B	Total/NA
Copper	11.8		1.97	0.944	mg/Kg	5		6010B	Total/NA
Lead	2.50		1.97	0.403	mg/Kg	5		6010B	Total/NA
Nickel	7.09		1.97	0.357	mg/Kg	5		6010B	Total/NA
Vanadium	28.5		0.985	0.166	mg/Kg	5		6010B	Total/NA
Zinc	32.7		4.93	1.14	mg/Kg	5		6010B	Total/NA
Mercury	0.0554	J	0.0817	0.0216	mg/Kg	1		7471A	Total/NA

Client Sample ID: CEB4-15'

Lab Sample ID: 570-174146-16

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	16		16	8.0	ug/Kg	1		8260B	Total/NA
Benzene	0.50	J	0.81	0.21	ug/Kg	1		8260B	Total/NA
Toluene	0.42	J	0.81	0.22	ug/Kg	1		8260B	Total/NA
Diesel Range Organics [C10-C28]	5.6		5.0	3.9	mg/Kg	1		8015B	Total/NA
Barium	34.1		3.02	0.143	mg/Kg	5		6010B	Total/NA
Beryllium	0.201	J	0.503	0.0693	mg/Kg	5		6010B	Total/NA
Chromium	5.00		1.01	0.187	mg/Kg	5		6010B	Total/NA
Cobalt	2.30		1.01	0.207	mg/Kg	5		6010B	Total/NA
Copper	4.47		2.01	0.963	mg/Kg	5		6010B	Total/NA
Lead	1.18	J	2.01	0.411	mg/Kg	5		6010B	Total/NA
Nickel	2.45		2.01	0.364	mg/Kg	5		6010B	Total/NA
Vanadium	16.3		1.01	0.169	mg/Kg	5		6010B	Total/NA
Zinc	15.2		5.03	1.16	mg/Kg	5		6010B	Total/NA
Mercury	0.0596	J	0.0801	0.0212	mg/Kg	1		7471A	Total/NA

Client Sample ID: CEB5-2'

Lab Sample ID: 570-174146-17

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	28		17	8.4	ug/Kg	1		8260B	Total/NA
Benzene	0.82	J	0.85	0.22	ug/Kg	1		8260B	Total/NA
Tetrachloroethene	0.60	J	0.85	0.19	ug/Kg	1		8260B	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: CEB5-2' (Continued)

Lab Sample ID: 570-174146-17

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Toluene	0.43	J	0.85	0.23	ug/Kg	1		8260B	Total/NA
Diesel Range Organics [C10-C28]	6.5		5.0	3.8	mg/Kg	1		8015B	Total/NA
Barium	55.8		2.97	0.141	mg/Kg	5		6010B	Total/NA
Beryllium	0.309	J	0.495	0.0683	mg/Kg	5		6010B	Total/NA
Chromium	9.31		0.990	0.184	mg/Kg	5		6010B	Total/NA
Cobalt	4.10		0.990	0.204	mg/Kg	5		6010B	Total/NA
Copper	15.1		1.98	0.949	mg/Kg	5		6010B	Total/NA
Lead	71.0		1.98	0.405	mg/Kg	5		6010B	Total/NA
Molybdenum	0.532	J	1.98	0.510	mg/Kg	5		6010B	Total/NA
Nickel	6.01		1.98	0.358	mg/Kg	5		6010B	Total/NA
Vanadium	25.1		0.990	0.166	mg/Kg	5		6010B	Total/NA
Zinc	39.5		4.95	1.14	mg/Kg	5		6010B	Total/NA
Mercury	0.112		0.0850	0.0224	mg/Kg	1		7471A	Total/NA

Client Sample ID: CEB5-5'

Lab Sample ID: 570-174146-18

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
2-Butanone	14	J	21	4.8	ug/Kg	1		8260B	Total/NA
Acetone	78		21	10	ug/Kg	1		8260B	Total/NA
Benzene	0.57	J	1.1	0.27	ug/Kg	1		8260B	Total/NA
Carbon disulfide	1.2	J	11	0.43	ug/Kg	1		8260B	Total/NA
Toluene	2.0		1.1	0.29	ug/Kg	1		8260B	Total/NA
Diesel Range Organics [C10-C28]	31		4.9	3.8	mg/Kg	1		8015B	Total/NA
TPH as Motor Oil (C17-C44)	39		24	11	mg/Kg	1		8015B	Total/NA
Barium	67.7		2.97	0.141	mg/Kg	5		6010B	Total/NA
Beryllium	0.309	J	0.495	0.0683	mg/Kg	5		6010B	Total/NA
Chromium	9.80		0.990	0.184	mg/Kg	5		6010B	Total/NA
Cobalt	4.65		0.990	0.204	mg/Kg	5		6010B	Total/NA
Copper	10.5		1.98	0.949	mg/Kg	5		6010B	Total/NA
Lead	1.92	J	1.98	0.405	mg/Kg	5		6010B	Total/NA
Nickel	6.34		1.98	0.358	mg/Kg	5		6010B	Total/NA
Vanadium	26.7		0.990	0.166	mg/Kg	5		6010B	Total/NA
Zinc	29.5		4.95	1.14	mg/Kg	5		6010B	Total/NA

Client Sample ID: CEB5-10'

Lab Sample ID: 570-174146-19

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	12	J	18	8.8	ug/Kg	1		8260B	Total/NA
Benzene	0.25	J	0.89	0.23	ug/Kg	1		8260B	Total/NA
Diesel Range Organics [C10-C28]	5.2		4.9	3.8	mg/Kg	1		8015B	Total/NA
Barium	26.9		2.94	0.139	mg/Kg	5		6010B	Total/NA
Beryllium	0.196	J	0.490	0.0676	mg/Kg	5		6010B	Total/NA
Chromium	3.85		0.980	0.182	mg/Kg	5		6010B	Total/NA
Cobalt	2.02		0.980	0.202	mg/Kg	5		6010B	Total/NA
Copper	4.71		1.96	0.939	mg/Kg	5		6010B	Total/NA
Lead	1.41	J	1.96	0.401	mg/Kg	5		6010B	Total/NA
Nickel	2.52		1.96	0.355	mg/Kg	5		6010B	Total/NA
Vanadium	10.9		0.980	0.165	mg/Kg	5		6010B	Total/NA
Zinc	13.7		4.90	1.13	mg/Kg	5		6010B	Total/NA
Mercury	0.0720	J	0.0833	0.0220	mg/Kg	1		7471A	Total/NA

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: California Environmental
Project/Site: #3666 / 777 S. Alameda Street

Job ID: 570-174146-1

Client Sample ID: CEB5-15'

Lab Sample ID: 570-174146-20

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	9.1	J	17	8.5	ug/Kg	1		8260B	Total/NA
Benzene	0.43	J	0.87	0.22	ug/Kg	1		8260B	Total/NA
Toluene	0.27	J	0.87	0.23	ug/Kg	1		8260B	Total/NA
Barium	24.5		2.94	0.139	mg/Kg	5		6010B	Total/NA
Beryllium	0.172	J	0.490	0.0676	mg/Kg	5		6010B	Total/NA
Chromium	3.28		0.980	0.182	mg/Kg	5		6010B	Total/NA
Cobalt	1.85		0.980	0.202	mg/Kg	5		6010B	Total/NA
Copper	3.95		1.96	0.939	mg/Kg	5		6010B	Total/NA
Lead	1.18	J	1.96	0.401	mg/Kg	5		6010B	Total/NA
Nickel	2.00		1.96	0.355	mg/Kg	5		6010B	Total/NA
Vanadium	10.6		0.980	0.165	mg/Kg	5		6010B	Total/NA
Zinc	11.6		4.90	1.13	mg/Kg	5		6010B	Total/NA
Mercury	0.0522	J	0.0786	0.0208	mg/Kg	1		7471A	Total/NA

Client Sample ID: CEB6-2'

Lab Sample ID: 570-174146-21

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	32		15	7.5	ug/Kg	1		8260B	Total/NA
Benzene	0.90		0.77	0.20	ug/Kg	1		8260B	Total/NA
Tetrachloroethene	0.84		0.77	0.17	ug/Kg	1		8260B	Total/NA
Toluene	0.35	J	0.77	0.21	ug/Kg	1		8260B	Total/NA
Barium	59.2		3.02	0.143	mg/Kg	5		6010B	Total/NA
Beryllium	0.289	J	0.503	0.0693	mg/Kg	5		6010B	Total/NA
Chromium	8.74		1.01	0.187	mg/Kg	5		6010B	Total/NA
Cobalt	3.99		1.01	0.207	mg/Kg	5		6010B	Total/NA
Copper	9.97		2.01	0.963	mg/Kg	5		6010B	Total/NA
Lead	4.86		2.01	0.411	mg/Kg	5		6010B	Total/NA
Nickel	5.69		2.01	0.364	mg/Kg	5		6010B	Total/NA
Vanadium	23.4		1.01	0.169	mg/Kg	5		6010B	Total/NA
Zinc	28.1		5.03	1.16	mg/Kg	5		6010B	Total/NA
Mercury	0.0293	J	0.0786	0.0208	mg/Kg	1		7471A	Total/NA

Client Sample ID: CEB6-5'

Lab Sample ID: 570-174146-22

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	17		15	7.6	ug/Kg	1		8260B	Total/NA
Benzene	1.7		0.77	0.20	ug/Kg	1		8260B	Total/NA
Tetrachloroethene	1.0		0.77	0.17	ug/Kg	1		8260B	Total/NA
Toluene	0.60	J	0.77	0.21	ug/Kg	1		8260B	Total/NA
Arsenic	2.40	J	2.96	1.37	mg/Kg	5		6010B	Total/NA
Barium	114		2.96	0.140	mg/Kg	5		6010B	Total/NA
Beryllium	0.530		0.493	0.0680	mg/Kg	5		6010B	Total/NA
Chromium	16.6		0.985	0.183	mg/Kg	5		6010B	Total/NA
Cobalt	7.65		0.985	0.203	mg/Kg	5		6010B	Total/NA
Copper	19.3		1.97	0.944	mg/Kg	5		6010B	Total/NA
Lead	3.53		1.97	0.403	mg/Kg	5		6010B	Total/NA
Nickel	11.3		1.97	0.357	mg/Kg	5		6010B	Total/NA
Vanadium	39.5		0.985	0.166	mg/Kg	5		6010B	Total/NA
Zinc	51.6		4.93	1.14	mg/Kg	5		6010B	Total/NA
Mercury	0.0601	J	0.0801	0.0212	mg/Kg	1		7471A	Total/NA

This Detection Summary does not include radiochemical test results.

Method: SW846 8260B/CA_LUFTMS - Volatile Organic Compounds by GC/MS

Client Sample ID: CEB1-2'
Date Collected: 02/27/24 07:20
Date Received: 02/27/24 18:20

Lab Sample ID: 570-174146-1
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	ND		72	34	ug/Kg		02/28/24 17:21	02/28/24 21:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*98*		*80 - 120*	*02/28/24 17:21*	*02/28/24 21:45*	*1*

Client Sample ID: CEB1-5'
Date Collected: 02/27/24 07:30
Date Received: 02/27/24 18:20

Lab Sample ID: 570-174146-2
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	ND		76	36	ug/Kg		02/28/24 17:21	02/28/24 22:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*99*		*80 - 120*	*02/28/24 17:21*	*02/28/24 22:07*	*1*

Client Sample ID: CEB1-15'
Date Collected: 02/27/24 07:45
Date Received: 02/27/24 18:20

Lab Sample ID: 570-174146-4
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	ND		74	35	ug/Kg		02/28/24 17:21	02/28/24 22:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*99*		*80 - 120*	*02/28/24 17:21*	*02/28/24 22:29*	*1*

Client Sample ID: CEB2-2'
Date Collected: 02/27/24 08:30
Date Received: 02/27/24 18:20

Lab Sample ID: 570-174146-5
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	ND		76	36	ug/Kg		02/28/24 17:21	02/28/24 22:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*98*		*80 - 120*	*02/28/24 17:21*	*02/28/24 22:50*	*1*

Client Sample ID: CEB2-5'
Date Collected: 02/27/24 08:35
Date Received: 02/27/24 18:20

Lab Sample ID: 570-174146-6
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	ND		70	33	ug/Kg		02/28/24 17:21	02/28/24 23:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*100*		*80 - 120*	*02/28/24 17:21*	*02/28/24 23:12*	*1*

Client Sample ID: CEB2-10'
Date Collected: 02/27/24 08:40
Date Received: 02/27/24 18:20

Lab Sample ID: 570-174146-7
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	ND		80	38	ug/Kg		02/28/24 17:21	02/28/24 23:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*99*		*80 - 120*	*02/28/24 17:21*	*02/28/24 23:34*	*1*

Method: SW846 8260B/CA_LUFTMS - Volatile Organic Compounds by GC/MS

Client Sample ID: CEB3-2'
Date Collected: 02/27/24 09:31
Date Received: 02/27/24 18:20

Lab Sample ID: 570-174146-9
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	ND		66	31	ug/Kg		02/28/24 17:21	02/28/24 23:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*99*		*80 - 120*	*02/28/24 17:21*	*02/28/24 23:55*	*1*

Client Sample ID: CEB3-5'
Date Collected: 02/27/24 09:35
Date Received: 02/27/24 18:20

Lab Sample ID: 570-174146-10
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	ND		76	36	ug/Kg		02/28/24 17:21	02/29/24 00:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*99*		*80 - 120*	*02/28/24 17:21*	*02/29/24 00:17*	*1*

Client Sample ID: CEB3-10'
Date Collected: 02/27/24 09:41
Date Received: 02/27/24 18:20

Lab Sample ID: 570-174146-11
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	ND		75	35	ug/Kg		02/28/24 17:21	02/29/24 00:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*100*		*80 - 120*	*02/28/24 17:21*	*02/29/24 00:39*	*1*

Client Sample ID: CEB3-15'
Date Collected: 02/27/24 09:45
Date Received: 02/27/24 18:20

Lab Sample ID: 570-174146-12
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	ND		81	38	ug/Kg		02/28/24 17:21	02/29/24 01:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*99*		*80 - 120*	*02/28/24 17:21*	*02/29/24 01:00*	*1*

Client Sample ID: CEB4-2'
Date Collected: 02/27/24 10:15
Date Received: 02/27/24 18:20

Lab Sample ID: 570-174146-13
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	ND		81	38	ug/Kg		02/28/24 17:21	02/29/24 01:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*99*		*80 - 120*	*02/28/24 17:21*	*02/29/24 01:22*	*1*

Client Sample ID: CEB4-10'
Date Collected: 02/27/24 10:20
Date Received: 02/27/24 18:20

Lab Sample ID: 570-174146-15
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	ND		83	39	ug/Kg		02/28/24 17:21	02/29/24 01:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*99*		*80 - 120*	*02/28/24 17:21*	*02/29/24 01:44*	*1*

Method: SW846 8260B/CA_LUFTMS - Volatile Organic Compounds by GC/MS

Client Sample ID: CEB4-15'
Date Collected: 02/27/24 10:24
Date Received: 02/27/24 18:20

Lab Sample ID: 570-174146-16
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	ND		81	38	ug/Kg		02/28/24 17:21	02/29/24 02:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*99*		*80 - 120*	*02/28/24 17:21*	*02/29/24 02:06*	*1*

Client Sample ID: CEB5-2'
Date Collected: 02/27/24 12:01
Date Received: 02/27/24 18:20

Lab Sample ID: 570-174146-17
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	ND		85	40	ug/Kg		02/28/24 17:21	02/29/24 02:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*99*		*80 - 120*	*02/28/24 17:21*	*02/29/24 02:27*	*1*

Client Sample ID: CEB5-5'
Date Collected: 02/27/24 12:04
Date Received: 02/27/24 18:20

Lab Sample ID: 570-174146-18
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	ND		110	50	ug/Kg		02/28/24 17:21	02/29/24 02:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*98*		*80 - 120*	*02/28/24 17:21*	*02/29/24 02:49*	*1*

Client Sample ID: CEB5-10'
Date Collected: 02/27/24 12:10
Date Received: 02/27/24 18:20

Lab Sample ID: 570-174146-19
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	ND		89	42	ug/Kg		02/28/24 17:21	02/29/24 03:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*98*		*80 - 120*	*02/28/24 17:21*	*02/29/24 03:11*	*1*

Client Sample ID: CEB5-15'
Date Collected: 02/27/24 12:15
Date Received: 02/27/24 18:20

Lab Sample ID: 570-174146-20
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	ND		87	41	ug/Kg		02/28/24 17:21	02/29/24 03:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*99*		*80 - 120*	*02/28/24 17:21*	*02/29/24 03:33*	*1*

Client Sample ID: CEB6-2'
Date Collected: 02/27/24 13:01
Date Received: 02/27/24 18:20

Lab Sample ID: 570-174146-21
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	ND		77	36	ug/Kg		02/28/24 17:21	02/29/24 03:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*99*		*80 - 120*	*02/28/24 17:21*	*02/29/24 03:54*	*1*

Method: SW846 8260B/CA_LUFTMS - Volatile Organic Compounds by GC/MS

Client Sample ID: CEB6-5'
Date Collected: 02/27/24 13:04
Date Received: 02/27/24 18:20

Lab Sample ID: 570-174146-22
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	ND		77	36	ug/Kg		02/28/24 17:21	02/29/24 04:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*99*		*80 - 120*	*02/28/24 17:21*	*02/29/24 04:16*	*1*

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Client Sample ID: CEB1-2'
Date Collected: 02/27/24 07:20
Date Received: 02/27/24 18:20

Lab Sample ID: 570-174146-1
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.72	0.21	ug/Kg		02/28/24 17:21	02/28/24 21:45	1
1,1,1-Trichloroethane	ND		0.72	0.17	ug/Kg		02/28/24 17:21	02/28/24 21:45	1
1,1,2,2-Tetrachloroethane	ND		1.4	0.39	ug/Kg		02/28/24 17:21	02/28/24 21:45	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		7.2	0.33	ug/Kg		02/28/24 17:21	02/28/24 21:45	1
1,1,2-Trichloroethane	ND		0.72	0.34	ug/Kg		02/28/24 17:21	02/28/24 21:45	1
1,1-Dichloroethane	ND		0.72	0.20	ug/Kg		02/28/24 17:21	02/28/24 21:45	1
1,1-Dichloroethene	ND		0.72	0.19	ug/Kg		02/28/24 17:21	02/28/24 21:45	1
1,1-Dichloropropene	ND		1.4	0.28	ug/Kg		02/28/24 17:21	02/28/24 21:45	1
1,2,3-Trichlorobenzene	ND		1.4	0.27	ug/Kg		02/28/24 17:21	02/28/24 21:45	1
1,2,3-Trichloropropane	ND		1.4	0.30	ug/Kg		02/28/24 17:21	02/28/24 21:45	1
1,2,4-Trichlorobenzene	ND		1.4	0.30	ug/Kg		02/28/24 17:21	02/28/24 21:45	1
1,2,4-Trimethylbenzene	ND		1.4	0.43	ug/Kg		02/28/24 17:21	02/28/24 21:45	1
1,2-Dibromo-3-Chloropropane	ND		7.2	2.4	ug/Kg		02/28/24 17:21	02/28/24 21:45	1
1,2-Dibromoethane	ND		0.72	0.15	ug/Kg		02/28/24 17:21	02/28/24 21:45	1
1,2-Dichlorobenzene	ND		0.72	0.18	ug/Kg		02/28/24 17:21	02/28/24 21:45	1
1,2-Dichloroethane	ND		0.72	0.20	ug/Kg		02/28/24 17:21	02/28/24 21:45	1
1,2-Dichloropropane	ND		0.72	0.20	ug/Kg		02/28/24 17:21	02/28/24 21:45	1
1,3,5-Trimethylbenzene	ND		1.4	0.19	ug/Kg		02/28/24 17:21	02/28/24 21:45	1
1,3-Dichlorobenzene	ND		0.72	0.18	ug/Kg		02/28/24 17:21	02/28/24 21:45	1
1,3-Dichloropropane	ND		0.72	0.21	ug/Kg		02/28/24 17:21	02/28/24 21:45	1
1,4-Dichlorobenzene	ND		0.72	0.22	ug/Kg		02/28/24 17:21	02/28/24 21:45	1
2,2-Dichloropropane	ND		3.6	0.20	ug/Kg		02/28/24 17:21	02/28/24 21:45	1
2-Butanone	**4.8**	**J**	14	3.3	ug/Kg		02/28/24 17:21	02/28/24 21:45	1
2-Chlorotoluene	ND		0.72	0.18	ug/Kg		02/28/24 17:21	02/28/24 21:45	1
2-Hexanone	ND		14	2.2	ug/Kg		02/28/24 17:21	02/28/24 21:45	1
4-Chlorotoluene	ND		0.72	0.17	ug/Kg		02/28/24 17:21	02/28/24 21:45	1
4-Methyl-2-pentanone	ND		14	2.1	ug/Kg		02/28/24 17:21	02/28/24 21:45	1
Acetone	**46**		14	7.1	ug/Kg		02/28/24 17:21	02/28/24 21:45	1
Benzene	**0.21**	**J**	0.72	0.19	ug/Kg		02/28/24 17:21	02/28/24 21:45	1
Bromobenzene	ND		0.72	0.15	ug/Kg		02/28/24 17:21	02/28/24 21:45	1
Bromochloromethane	ND		1.4	0.32	ug/Kg		02/28/24 17:21	02/28/24 21:45	1
Bromodichloromethane	ND		0.72	0.23	ug/Kg		02/28/24 17:21	02/28/24 21:45	1
Bromoform	ND		3.6	0.95	ug/Kg		02/28/24 17:21	02/28/24 21:45	1
Bromomethane	ND		14	4.7	ug/Kg		02/28/24 17:21	02/28/24 21:45	1
cis-1,2-Dichloroethene	ND		0.72	0.24	ug/Kg		02/28/24 17:21	02/28/24 21:45	1
cis-1,3-Dichloropropene	ND		0.72	0.25	ug/Kg		02/28/24 17:21	02/28/24 21:45	1
Carbon disulfide	ND		7.2	0.29	ug/Kg		02/28/24 17:21	02/28/24 21:45	1
Carbon tetrachloride	ND		0.72	0.22	ug/Kg		02/28/24 17:21	02/28/24 21:45	1
Chlorobenzene	ND		0.72	0.19	ug/Kg		02/28/24 17:21	02/28/24 21:45	1
Chloroethane	ND		1.4	0.54	ug/Kg		02/28/24 17:21	02/28/24 21:45	1
Chloroform	ND		0.72	0.43	ug/Kg		02/28/24 17:21	02/28/24 21:45	1
Chloromethane	ND		14	1.1	ug/Kg		02/28/24 17:21	02/28/24 21:45	1
Dibromochloromethane	ND		1.4	0.20	ug/Kg		02/28/24 17:21	02/28/24 21:45	1
Dibromomethane	ND		0.72	0.22	ug/Kg		02/28/24 17:21	02/28/24 21:45	1
Dichlorodifluoromethane	ND		1.4	0.33	ug/Kg		02/28/24 17:21	02/28/24 21:45	1
Di-isopropyl ether (DIPE)	ND		0.72	0.36	ug/Kg		02/28/24 17:21	02/28/24 21:45	1
Ethanol	ND	*1	180	67	ug/Kg		02/28/24 17:21	02/28/24 21:45	1
Ethylbenzene	ND		0.72	0.15	ug/Kg		02/28/24 17:21	02/28/24 21:45	1
Ethyl-t-butyl ether (ETBE)	ND		0.72	0.17	ug/Kg		02/28/24 17:21	02/28/24 21:45	1

Method: SW846 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Client Sample ID: CEB1-2'
Date Collected: 02/27/24 07:20
Date Received: 02/27/24 18:20

Lab Sample ID: 570-174146-1
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Isopropylbenzene	ND		0.72	0.20	ug/Kg		02/28/24 17:21	02/28/24 21:45	1
Methylene Chloride	ND		7.2	2.3	ug/Kg		02/28/24 17:21	02/28/24 21:45	1
Methyl-t-Butyl Ether (MTBE)	ND		1.4	0.14	ug/Kg		02/28/24 17:21	02/28/24 21:45	1
Naphthalene	ND		7.2	2.8	ug/Kg		02/28/24 17:21	02/28/24 21:45	1
n-Butylbenzene	ND		0.72	0.15	ug/Kg		02/28/24 17:21	02/28/24 21:45	1
N-Propylbenzene	ND		1.4	0.19	ug/Kg		02/28/24 17:21	02/28/24 21:45	1
o-Xylene	ND		0.72	0.18	ug/Kg		02/28/24 17:21	02/28/24 21:45	1
m,p-Xylene	ND		1.4	0.34	ug/Kg		02/28/24 17:21	02/28/24 21:45	1
p-Isopropyltoluene	ND		0.72	0.20	ug/Kg		02/28/24 17:21	02/28/24 21:45	1
sec-Butylbenzene	ND		0.72	0.20	ug/Kg		02/28/24 17:21	02/28/24 21:45	1
Styrene	ND		0.72	0.23	ug/Kg		02/28/24 17:21	02/28/24 21:45	1
trans-1,2-Dichloroethene	ND		0.72	0.22	ug/Kg		02/28/24 17:21	02/28/24 21:45	1
trans-1,3-Dichloropropene	ND		1.4	0.20	ug/Kg		02/28/24 17:21	02/28/24 21:45	1
Tert-amyl-methyl ether (TAME)	ND		0.72	0.14	ug/Kg		02/28/24 17:21	02/28/24 21:45	1
tert-Butyl alcohol (TBA)	ND	*1 *+	14	5.0	ug/Kg		02/28/24 17:21	02/28/24 21:45	1
tert-Butylbenzene	ND		0.72	0.18	ug/Kg		02/28/24 17:21	02/28/24 21:45	1
Tetrachloroethene	**11**		0.72	0.16	ug/Kg		02/28/24 17:21	02/28/24 21:45	1
Toluene	ND		0.72	0.19	ug/Kg		02/28/24 17:21	02/28/24 21:45	1
Trichloroethene	ND		1.4	0.28	ug/Kg		02/28/24 17:21	02/28/24 21:45	1
Trichlorofluoromethane	ND		7.2	0.20	ug/Kg		02/28/24 17:21	02/28/24 21:45	1
Vinyl acetate	ND		7.2	2.8	ug/Kg		02/28/24 17:21	02/28/24 21:45	1
Vinyl chloride	ND		0.72	0.27	ug/Kg		02/28/24 17:21	02/28/24 21:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*128*		*32 - 179*	*02/28/24 17:21*	*02/28/24 21:45*	*1*
4-Bromofluorobenzene (Surr)	*100*		*80 - 120*	*02/28/24 17:21*	*02/28/24 21:45*	*1*
Dibromofluoromethane (Surr)	*108*		*58 - 147*	*02/28/24 17:21*	*02/28/24 21:45*	*1*
Toluene-d8 (Surr)	*98*		*80 - 120*	*02/28/24 17:21*	*02/28/24 21:45*	*1*

Client Sample ID: CEB1-5'
Date Collected: 02/27/24 07:30
Date Received: 02/27/24 18:20

Lab Sample ID: 570-174146-2
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.76	0.22	ug/Kg		02/28/24 17:21	02/28/24 22:07	1
1,1,1-Trichloroethane	ND		0.76	0.18	ug/Kg		02/28/24 17:21	02/28/24 22:07	1
1,1,2,2-Tetrachloroethane	ND		1.5	0.42	ug/Kg		02/28/24 17:21	02/28/24 22:07	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		7.6	0.35	ug/Kg		02/28/24 17:21	02/28/24 22:07	1
1,1,2-Trichloroethane	ND		0.76	0.36	ug/Kg		02/28/24 17:21	02/28/24 22:07	1
1,1-Dichloroethane	ND		0.76	0.21	ug/Kg		02/28/24 17:21	02/28/24 22:07	1
1,1-Dichloroethene	ND		0.76	0.20	ug/Kg		02/28/24 17:21	02/28/24 22:07	1
1,1-Dichloropropene	ND		1.5	0.30	ug/Kg		02/28/24 17:21	02/28/24 22:07	1
1,2,3-Trichlorobenzene	ND		1.5	0.29	ug/Kg		02/28/24 17:21	02/28/24 22:07	1
1,2,3-Trichloropropane	ND		1.5	0.32	ug/Kg		02/28/24 17:21	02/28/24 22:07	1
1,2,4-Trichlorobenzene	ND		1.5	0.31	ug/Kg		02/28/24 17:21	02/28/24 22:07	1
1,2,4-Trimethylbenzene	ND		1.5	0.46	ug/Kg		02/28/24 17:21	02/28/24 22:07	1
1,2-Dibromo-3-Chloropropane	ND		7.6	2.5	ug/Kg		02/28/24 17:21	02/28/24 22:07	1
1,2-Dibromoethane	ND		0.76	0.16	ug/Kg		02/28/24 17:21	02/28/24 22:07	1
1,2-Dichlorobenzene	ND		0.76	0.19	ug/Kg		02/28/24 17:21	02/28/24 22:07	1
1,2-Dichloroethane	ND		0.76	0.21	ug/Kg		02/28/24 17:21	02/28/24 22:07	1
1,2-Dichloropropane	ND		0.76	0.21	ug/Kg		02/28/24 17:21	02/28/24 22:07	1

Method: SW846 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Client Sample ID: CEB1-5'
Date Collected: 02/27/24 07:30
Date Received: 02/27/24 18:20

Lab Sample ID: 570-174146-2
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,3,5-Trimethylbenzene	ND		1.5	0.20	ug/Kg		02/28/24 17:21	02/28/24 22:07	1
1,3-Dichlorobenzene	ND		0.76	0.19	ug/Kg		02/28/24 17:21	02/28/24 22:07	1
1,3-Dichloropropane	ND		0.76	0.23	ug/Kg		02/28/24 17:21	02/28/24 22:07	1
1,4-Dichlorobenzene	ND		0.76	0.23	ug/Kg		02/28/24 17:21	02/28/24 22:07	1
2,2-Dichloropropane	ND		3.8	0.21	ug/Kg		02/28/24 17:21	02/28/24 22:07	1
2-Butanone	ND		15	3.5	ug/Kg		02/28/24 17:21	02/28/24 22:07	1
2-Chlorotoluene	ND		0.76	0.19	ug/Kg		02/28/24 17:21	02/28/24 22:07	1
2-Hexanone	ND		15	2.4	ug/Kg		02/28/24 17:21	02/28/24 22:07	1
4-Chlorotoluene	ND		0.76	0.18	ug/Kg		02/28/24 17:21	02/28/24 22:07	1
4-Methyl-2-pentanone	ND		15	2.2	ug/Kg		02/28/24 17:21	02/28/24 22:07	1
Acetone	**20**		15	7.5	ug/Kg		02/28/24 17:21	02/28/24 22:07	1
Benzene	**0.87**		0.76	0.20	ug/Kg		02/28/24 17:21	02/28/24 22:07	1
Bromobenzene	ND		0.76	0.16	ug/Kg		02/28/24 17:21	02/28/24 22:07	1
Bromochloromethane	ND		1.5	0.34	ug/Kg		02/28/24 17:21	02/28/24 22:07	1
Bromodichloromethane	ND		0.76	0.25	ug/Kg		02/28/24 17:21	02/28/24 22:07	1
Bromoform	ND		3.8	1.0	ug/Kg		02/28/24 17:21	02/28/24 22:07	1
Bromomethane	ND		15	5.0	ug/Kg		02/28/24 17:21	02/28/24 22:07	1
cis-1,2-Dichloroethene	ND		0.76	0.26	ug/Kg		02/28/24 17:21	02/28/24 22:07	1
cis-1,3-Dichloropropene	ND		0.76	0.27	ug/Kg		02/28/24 17:21	02/28/24 22:07	1
Carbon disulfide	ND		7.6	0.31	ug/Kg		02/28/24 17:21	02/28/24 22:07	1
Carbon tetrachloride	ND		0.76	0.23	ug/Kg		02/28/24 17:21	02/28/24 22:07	1
Chlorobenzene	ND		0.76	0.20	ug/Kg		02/28/24 17:21	02/28/24 22:07	1
Chloroethane	ND		1.5	0.57	ug/Kg		02/28/24 17:21	02/28/24 22:07	1
Chloroform	ND		0.76	0.45	ug/Kg		02/28/24 17:21	02/28/24 22:07	1
Chloromethane	ND		15	1.2	ug/Kg		02/28/24 17:21	02/28/24 22:07	1
Dibromochloromethane	ND		1.5	0.21	ug/Kg		02/28/24 17:21	02/28/24 22:07	1
Dibromomethane	ND		0.76	0.23	ug/Kg		02/28/24 17:21	02/28/24 22:07	1
Dichlorodifluoromethane	ND		1.5	0.35	ug/Kg		02/28/24 17:21	02/28/24 22:07	1
Di-isopropyl ether (DIPE)	ND		0.76	0.38	ug/Kg		02/28/24 17:21	02/28/24 22:07	1
Ethanol	ND	*1	190	70	ug/Kg		02/28/24 17:21	02/28/24 22:07	1
Ethylbenzene	ND		0.76	0.16	ug/Kg		02/28/24 17:21	02/28/24 22:07	1
Ethyl-t-butyl ether (ETBE)	ND		0.76	0.18	ug/Kg		02/28/24 17:21	02/28/24 22:07	1
Isopropylbenzene	ND		0.76	0.21	ug/Kg		02/28/24 17:21	02/28/24 22:07	1
Methylene Chloride	ND		7.6	2.4	ug/Kg		02/28/24 17:21	02/28/24 22:07	1
Methyl-t-Butyl Ether (MTBE)	ND		1.5	0.14	ug/Kg		02/28/24 17:21	02/28/24 22:07	1
Naphthalene	ND		7.6	3.0	ug/Kg		02/28/24 17:21	02/28/24 22:07	1
n-Butylbenzene	ND		0.76	0.16	ug/Kg		02/28/24 17:21	02/28/24 22:07	1
N-Propylbenzene	ND		1.5	0.20	ug/Kg		02/28/24 17:21	02/28/24 22:07	1
o-Xylene	ND		0.76	0.20	ug/Kg		02/28/24 17:21	02/28/24 22:07	1
m,p-Xylene	ND		1.5	0.36	ug/Kg		02/28/24 17:21	02/28/24 22:07	1
p-Isopropyltoluene	ND		0.76	0.22	ug/Kg		02/28/24 17:21	02/28/24 22:07	1
sec-Butylbenzene	ND		0.76	0.21	ug/Kg		02/28/24 17:21	02/28/24 22:07	1
Styrene	ND		0.76	0.24	ug/Kg		02/28/24 17:21	02/28/24 22:07	1
trans-1,2-Dichloroethene	ND		0.76	0.23	ug/Kg		02/28/24 17:21	02/28/24 22:07	1
trans-1,3-Dichloropropene	ND		1.5	0.21	ug/Kg		02/28/24 17:21	02/28/24 22:07	1
Tert-amyl-methyl ether (TAME)	ND		0.76	0.15	ug/Kg		02/28/24 17:21	02/28/24 22:07	1
tert-Butyl alcohol (TBA)	ND	*1 *+	15	5.3	ug/Kg		02/28/24 17:21	02/28/24 22:07	1
tert-Butylbenzene	ND		0.76	0.19	ug/Kg		02/28/24 17:21	02/28/24 22:07	1
Tetrachloroethene	**5.8**		0.76	0.17	ug/Kg		02/28/24 17:21	02/28/24 22:07	1

Method: SW846 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Client Sample ID: CEB1-5'
Date Collected: 02/27/24 07:30
Date Received: 02/27/24 18:20

Lab Sample ID: 570-174146-2
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Toluene	**0.22**	**J**	0.76	0.21	ug/Kg		02/28/24 17:21	02/28/24 22:07	1
Trichloroethene	ND		1.5	0.30	ug/Kg		02/28/24 17:21	02/28/24 22:07	1
Trichlorofluoromethane	ND		7.6	0.21	ug/Kg		02/28/24 17:21	02/28/24 22:07	1
Vinyl acetate	ND		7.6	3.0	ug/Kg		02/28/24 17:21	02/28/24 22:07	1
Vinyl chloride	ND		0.76	0.29	ug/Kg		02/28/24 17:21	02/28/24 22:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*132*		*32 - 179*	*02/28/24 17:21*	*02/28/24 22:07*	*1*
4-Bromofluorobenzene (Surr)	*99*		*80 - 120*	*02/28/24 17:21*	*02/28/24 22:07*	*1*
Dibromofluoromethane (Surr)	*111*		*58 - 147*	*02/28/24 17:21*	*02/28/24 22:07*	*1*
Toluene-d8 (Surr)	*99*		*80 - 120*	*02/28/24 17:21*	*02/28/24 22:07*	*1*

Client Sample ID: CEB1-15'
Date Collected: 02/27/24 07:45
Date Received: 02/27/24 18:20

Lab Sample ID: 570-174146-4
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.74	0.21	ug/Kg		02/28/24 17:21	02/28/24 22:29	1
1,1,1-Trichloroethane	ND		0.74	0.17	ug/Kg		02/28/24 17:21	02/28/24 22:29	1
1,1,2,2-Tetrachloroethane	ND		1.5	0.40	ug/Kg		02/28/24 17:21	02/28/24 22:29	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		7.4	0.34	ug/Kg		02/28/24 17:21	02/28/24 22:29	1
1,1,2-Trichloroethane	ND		0.74	0.34	ug/Kg		02/28/24 17:21	02/28/24 22:29	1
1,1-Dichloroethane	ND		0.74	0.21	ug/Kg		02/28/24 17:21	02/28/24 22:29	1
1,1-Dichloroethene	ND		0.74	0.20	ug/Kg		02/28/24 17:21	02/28/24 22:29	1
1,1-Dichloropropene	ND		1.5	0.29	ug/Kg		02/28/24 17:21	02/28/24 22:29	1
1,2,3-Trichlorobenzene	ND		1.5	0.28	ug/Kg		02/28/24 17:21	02/28/24 22:29	1
1,2,3-Trichloropropane	ND		1.5	0.31	ug/Kg		02/28/24 17:21	02/28/24 22:29	1
1,2,4-Trichlorobenzene	ND		1.5	0.30	ug/Kg		02/28/24 17:21	02/28/24 22:29	1
1,2,4-Trimethylbenzene	ND		1.5	0.44	ug/Kg		02/28/24 17:21	02/28/24 22:29	1
1,2-Dibromo-3-Chloropropane	ND		7.4	2.5	ug/Kg		02/28/24 17:21	02/28/24 22:29	1
1,2-Dibromoethane	ND		0.74	0.15	ug/Kg		02/28/24 17:21	02/28/24 22:29	1
1,2-Dichlorobenzene	ND		0.74	0.18	ug/Kg		02/28/24 17:21	02/28/24 22:29	1
1,2-Dichloroethane	ND		0.74	0.20	ug/Kg		02/28/24 17:21	02/28/24 22:29	1
1,2-Dichloropropane	ND		0.74	0.20	ug/Kg		02/28/24 17:21	02/28/24 22:29	1
1,3,5-Trimethylbenzene	ND		1.5	0.20	ug/Kg		02/28/24 17:21	02/28/24 22:29	1
1,3-Dichlorobenzene	ND		0.74	0.19	ug/Kg		02/28/24 17:21	02/28/24 22:29	1
1,3-Dichloropropane	ND		0.74	0.22	ug/Kg		02/28/24 17:21	02/28/24 22:29	1
1,4-Dichlorobenzene	ND		0.74	0.23	ug/Kg		02/28/24 17:21	02/28/24 22:29	1
2,2-Dichloropropane	ND		3.7	0.20	ug/Kg		02/28/24 17:21	02/28/24 22:29	1
2-Butanone	ND		15	3.3	ug/Kg		02/28/24 17:21	02/28/24 22:29	1
2-Chlorotoluene	ND		0.74	0.19	ug/Kg		02/28/24 17:21	02/28/24 22:29	1
2-Hexanone	ND		15	2.3	ug/Kg		02/28/24 17:21	02/28/24 22:29	1
4-Chlorotoluene	ND		0.74	0.18	ug/Kg		02/28/24 17:21	02/28/24 22:29	1
4-Methyl-2-pentanone	ND		15	2.1	ug/Kg		02/28/24 17:21	02/28/24 22:29	1
Acetone	**15**		15	7.2	ug/Kg		02/28/24 17:21	02/28/24 22:29	1
Benzene	**4.4**		0.74	0.19	ug/Kg		02/28/24 17:21	02/28/24 22:29	1
Bromobenzene	ND		0.74	0.15	ug/Kg		02/28/24 17:21	02/28/24 22:29	1
Bromochloromethane	ND		1.5	0.33	ug/Kg		02/28/24 17:21	02/28/24 22:29	1
Bromodichloromethane	ND		0.74	0.24	ug/Kg		02/28/24 17:21	02/28/24 22:29	1
Bromoform	ND		3.7	0.97	ug/Kg		02/28/24 17:21	02/28/24 22:29	1
Bromomethane	ND		15	4.8	ug/Kg		02/28/24 17:21	02/28/24 22:29	1

Method: SW846 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Client Sample ID: CEB1-15'
Date Collected: 02/27/24 07:45
Date Received: 02/27/24 18:20

Lab Sample ID: 570-174146-4
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,2-Dichloroethene	ND		0.74	0.25	ug/Kg		02/28/24 17:21	02/28/24 22:29	1
cis-1,3-Dichloropropene	ND		0.74	0.26	ug/Kg		02/28/24 17:21	02/28/24 22:29	1
Carbon disulfide	ND		7.4	0.29	ug/Kg		02/28/24 17:21	02/28/24 22:29	1
Carbon tetrachloride	ND		0.74	0.22	ug/Kg		02/28/24 17:21	02/28/24 22:29	1
Chlorobenzene	ND		0.74	0.20	ug/Kg		02/28/24 17:21	02/28/24 22:29	1
Chloroethane	ND		1.5	0.55	ug/Kg		02/28/24 17:21	02/28/24 22:29	1
Chloroform	ND		0.74	0.43	ug/Kg		02/28/24 17:21	02/28/24 22:29	1
Chloromethane	ND		15	1.1	ug/Kg		02/28/24 17:21	02/28/24 22:29	1
Dibromochloromethane	ND		1.5	0.20	ug/Kg		02/28/24 17:21	02/28/24 22:29	1
Dibromomethane	ND		0.74	0.22	ug/Kg		02/28/24 17:21	02/28/24 22:29	1
Dichlorodifluoromethane	ND		1.5	0.33	ug/Kg		02/28/24 17:21	02/28/24 22:29	1
Di-isopropyl ether (DIPE)	ND		0.74	0.37	ug/Kg		02/28/24 17:21	02/28/24 22:29	1
Ethanol	ND	*1	180	68	ug/Kg		02/28/24 17:21	02/28/24 22:29	1
Ethylbenzene	ND		0.74	0.15	ug/Kg		02/28/24 17:21	02/28/24 22:29	1
Ethyl-t-butyl ether (ETBE)	ND		0.74	0.17	ug/Kg		02/28/24 17:21	02/28/24 22:29	1
Isopropylbenzene	ND		0.74	0.20	ug/Kg		02/28/24 17:21	02/28/24 22:29	1
Methylene Chloride	ND		7.4	2.3	ug/Kg		02/28/24 17:21	02/28/24 22:29	1
Methyl-t-Butyl Ether (MTBE)	ND		1.5	0.14	ug/Kg		02/28/24 17:21	02/28/24 22:29	1
Naphthalene	ND		7.4	2.9	ug/Kg		02/28/24 17:21	02/28/24 22:29	1
n-Butylbenzene	ND		0.74	0.16	ug/Kg		02/28/24 17:21	02/28/24 22:29	1
N-Propylbenzene	ND		1.5	0.19	ug/Kg		02/28/24 17:21	02/28/24 22:29	1
o-Xylene	ND		0.74	0.19	ug/Kg		02/28/24 17:21	02/28/24 22:29	1
m,p-Xylene	ND		1.5	0.35	ug/Kg		02/28/24 17:21	02/28/24 22:29	1
p-Isopropyltoluene	ND		0.74	0.21	ug/Kg		02/28/24 17:21	02/28/24 22:29	1
sec-Butylbenzene	ND		0.74	0.20	ug/Kg		02/28/24 17:21	02/28/24 22:29	1
Styrene	ND		0.74	0.23	ug/Kg		02/28/24 17:21	02/28/24 22:29	1
trans-1,2-Dichloroethene	ND		0.74	0.22	ug/Kg		02/28/24 17:21	02/28/24 22:29	1
trans-1,3-Dichloropropene	ND		1.5	0.21	ug/Kg		02/28/24 17:21	02/28/24 22:29	1
Tert-amyl-methyl ether (TAME)	ND		0.74	0.14	ug/Kg		02/28/24 17:21	02/28/24 22:29	1
tert-Butyl alcohol (TBA)	ND	*1 *+	15	5.2	ug/Kg		02/28/24 17:21	02/28/24 22:29	1
tert-Butylbenzene	ND		0.74	0.19	ug/Kg		02/28/24 17:21	02/28/24 22:29	1
Tetrachloroethene	**1.2**		0.74	0.16	ug/Kg		02/28/24 17:21	02/28/24 22:29	1
Toluene	**0.47**	**J**	0.74	0.20	ug/Kg		02/28/24 17:21	02/28/24 22:29	1
Trichloroethene	ND		1.5	0.28	ug/Kg		02/28/24 17:21	02/28/24 22:29	1
Trichlorofluoromethane	ND		7.4	0.20	ug/Kg		02/28/24 17:21	02/28/24 22:29	1
Vinyl acetate	ND		7.4	2.9	ug/Kg		02/28/24 17:21	02/28/24 22:29	1
Vinyl chloride	ND		0.74	0.28	ug/Kg		02/28/24 17:21	02/28/24 22:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*134*		*32 - 179*	*02/28/24 17:21*	*02/28/24 22:29*	*1*
4-Bromofluorobenzene (Surr)	*101*		*80 - 120*	*02/28/24 17:21*	*02/28/24 22:29*	*1*
Dibromofluoromethane (Surr)	*113*		*58 - 147*	*02/28/24 17:21*	*02/28/24 22:29*	*1*
Toluene-d8 (Surr)	*99*		*80 - 120*	*02/28/24 17:21*	*02/28/24 22:29*	*1*

Client Sample ID: CEB2-2'
Date Collected: 02/27/24 08:30
Date Received: 02/27/24 18:20

Lab Sample ID: 570-174146-5
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.76	0.22	ug/Kg		02/28/24 17:21	02/28/24 22:50	1
1,1,1-Trichloroethane	ND		0.76	0.18	ug/Kg		02/28/24 17:21	02/28/24 22:50	1

Method: SW846 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Client Sample ID: CEB2-2'
Date Collected: 02/27/24 08:30
Date Received: 02/27/24 18:20

Lab Sample ID: 570-174146-5
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2,2-Tetrachloroethane	ND		1.5	0.41	ug/Kg		02/28/24 17:21	02/28/24 22:50	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		7.6	0.35	ug/Kg		02/28/24 17:21	02/28/24 22:50	1
1,1,2-Trichloroethane	ND		0.76	0.35	ug/Kg		02/28/24 17:21	02/28/24 22:50	1
1,1-Dichloroethane	ND		0.76	0.21	ug/Kg		02/28/24 17:21	02/28/24 22:50	1
1,1-Dichloroethene	ND		0.76	0.20	ug/Kg		02/28/24 17:21	02/28/24 22:50	1
1,1-Dichloropropene	ND		1.5	0.29	ug/Kg		02/28/24 17:21	02/28/24 22:50	1
1,2,3-Trichlorobenzene	ND		1.5	0.29	ug/Kg		02/28/24 17:21	02/28/24 22:50	1
1,2,3-Trichloropropane	ND		1.5	0.32	ug/Kg		02/28/24 17:21	02/28/24 22:50	1
1,2,4-Trichlorobenzene	ND		1.5	0.31	ug/Kg		02/28/24 17:21	02/28/24 22:50	1
1,2,4-Trimethylbenzene	ND		1.5	0.45	ug/Kg		02/28/24 17:21	02/28/24 22:50	1
1,2-Dibromo-3-Chloropropane	ND		7.6	2.5	ug/Kg		02/28/24 17:21	02/28/24 22:50	1
1,2-Dibromoethane	ND		0.76	0.16	ug/Kg		02/28/24 17:21	02/28/24 22:50	1
1,2-Dichlorobenzene	ND		0.76	0.19	ug/Kg		02/28/24 17:21	02/28/24 22:50	1
1,2-Dichloroethane	ND		0.76	0.21	ug/Kg		02/28/24 17:21	02/28/24 22:50	1
1,2-Dichloropropane	ND		0.76	0.21	ug/Kg		02/28/24 17:21	02/28/24 22:50	1
1,3,5-Trimethylbenzene	ND		1.5	0.20	ug/Kg		02/28/24 17:21	02/28/24 22:50	1
1,3-Dichlorobenzene	ND		0.76	0.19	ug/Kg		02/28/24 17:21	02/28/24 22:50	1
1,3-Dichloropropane	ND		0.76	0.22	ug/Kg		02/28/24 17:21	02/28/24 22:50	1
1,4-Dichlorobenzene	ND		0.76	0.23	ug/Kg		02/28/24 17:21	02/28/24 22:50	1
2,2-Dichloropropane	ND		3.8	0.21	ug/Kg		02/28/24 17:21	02/28/24 22:50	1
2-Butanone	ND		15	3.4	ug/Kg		02/28/24 17:21	02/28/24 22:50	1
2-Chlorotoluene	ND		0.76	0.19	ug/Kg		02/28/24 17:21	02/28/24 22:50	1
2-Hexanone	ND		15	2.3	ug/Kg		02/28/24 17:21	02/28/24 22:50	1
4-Chlorotoluene	ND		0.76	0.18	ug/Kg		02/28/24 17:21	02/28/24 22:50	1
4-Methyl-2-pentanone	ND		15	2.2	ug/Kg		02/28/24 17:21	02/28/24 22:50	1
Acetone	**24**		15	7.5	ug/Kg		02/28/24 17:21	02/28/24 22:50	1
Benzene	**0.88**		0.76	0.20	ug/Kg		02/28/24 17:21	02/28/24 22:50	1
Bromobenzene	ND		0.76	0.16	ug/Kg		02/28/24 17:21	02/28/24 22:50	1
Bromochloromethane	ND		1.5	0.34	ug/Kg		02/28/24 17:21	02/28/24 22:50	1
Bromodichloromethane	ND		0.76	0.25	ug/Kg		02/28/24 17:21	02/28/24 22:50	1
Bromoform	ND		3.8	1.0	ug/Kg		02/28/24 17:21	02/28/24 22:50	1
Bromomethane	ND		15	5.0	ug/Kg		02/28/24 17:21	02/28/24 22:50	1
cis-1,2-Dichloroethene	ND		0.76	0.26	ug/Kg		02/28/24 17:21	02/28/24 22:50	1
cis-1,3-Dichloropropene	ND		0.76	0.26	ug/Kg		02/28/24 17:21	02/28/24 22:50	1
Carbon disulfide	ND		7.6	0.30	ug/Kg		02/28/24 17:21	02/28/24 22:50	1
Carbon tetrachloride	ND		0.76	0.23	ug/Kg		02/28/24 17:21	02/28/24 22:50	1
Chlorobenzene	ND		0.76	0.20	ug/Kg		02/28/24 17:21	02/28/24 22:50	1
Chloroethane	ND		1.5	0.56	ug/Kg		02/28/24 17:21	02/28/24 22:50	1
Chloroform	ND		0.76	0.45	ug/Kg		02/28/24 17:21	02/28/24 22:50	1
Chloromethane	ND		15	1.2	ug/Kg		02/28/24 17:21	02/28/24 22:50	1
Dibromochloromethane	ND		1.5	0.21	ug/Kg		02/28/24 17:21	02/28/24 22:50	1
Dibromomethane	ND		0.76	0.23	ug/Kg		02/28/24 17:21	02/28/24 22:50	1
Dichlorodifluoromethane	ND		1.5	0.34	ug/Kg		02/28/24 17:21	02/28/24 22:50	1
Di-isopropyl ether (DIPE)	ND		0.76	0.38	ug/Kg		02/28/24 17:21	02/28/24 22:50	1
Ethanol	ND	*1	190	70	ug/Kg		02/28/24 17:21	02/28/24 22:50	1
Ethylbenzene	ND		0.76	0.16	ug/Kg		02/28/24 17:21	02/28/24 22:50	1
Ethyl-t-butyl ether (ETBE)	ND		0.76	0.18	ug/Kg		02/28/24 17:21	02/28/24 22:50	1
Isopropylbenzene	ND		0.76	0.21	ug/Kg		02/28/24 17:21	02/28/24 22:50	1
Methylene Chloride	ND		7.6	2.4	ug/Kg		02/28/24 17:21	02/28/24 22:50	1

Method: SW846 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Client Sample ID: CEB2-2'
Date Collected: 02/27/24 08:30
Date Received: 02/27/24 18:20

Lab Sample ID: 570-174146-5
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl-t-Butyl Ether (MTBE)	ND		1.5	0.14	ug/Kg		02/28/24 17:21	02/28/24 22:50	1
Naphthalene	ND		7.6	3.0	ug/Kg		02/28/24 17:21	02/28/24 22:50	1
n-Butylbenzene	ND		0.76	0.16	ug/Kg		02/28/24 17:21	02/28/24 22:50	1
N-Propylbenzene	ND		1.5	0.20	ug/Kg		02/28/24 17:21	02/28/24 22:50	1
o-Xylene	ND		0.76	0.19	ug/Kg		02/28/24 17:21	02/28/24 22:50	1
m,p-Xylene	ND		1.5	0.36	ug/Kg		02/28/24 17:21	02/28/24 22:50	1
p-Isopropyltoluene	ND		0.76	0.21	ug/Kg		02/28/24 17:21	02/28/24 22:50	1
sec-Butylbenzene	ND		0.76	0.21	ug/Kg		02/28/24 17:21	02/28/24 22:50	1
Styrene	ND		0.76	0.24	ug/Kg		02/28/24 17:21	02/28/24 22:50	1
trans-1,2-Dichloroethene	ND		0.76	0.23	ug/Kg		02/28/24 17:21	02/28/24 22:50	1
trans-1,3-Dichloropropene	ND		1.5	0.21	ug/Kg		02/28/24 17:21	02/28/24 22:50	1
Tert-amyl-methyl ether (TAME)	ND		0.76	0.15	ug/Kg		02/28/24 17:21	02/28/24 22:50	1
tert-Butyl alcohol (TBA)	ND	*1 *+	15	5.3	ug/Kg		02/28/24 17:21	02/28/24 22:50	1
tert-Butylbenzene	ND		0.76	0.19	ug/Kg		02/28/24 17:21	02/28/24 22:50	1
Tetrachloroethene	**0.91**		0.76	0.17	ug/Kg		02/28/24 17:21	02/28/24 22:50	1
Toluene	**0.22**	**J**	0.76	0.20	ug/Kg		02/28/24 17:21	02/28/24 22:50	1
Trichloroethene	ND		1.5	0.29	ug/Kg		02/28/24 17:21	02/28/24 22:50	1
Trichlorofluoromethane	ND		7.6	0.21	ug/Kg		02/28/24 17:21	02/28/24 22:50	1
Vinyl acetate	ND		7.6	3.0	ug/Kg		02/28/24 17:21	02/28/24 22:50	1
Vinyl chloride	ND		0.76	0.29	ug/Kg		02/28/24 17:21	02/28/24 22:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*133*		*32 - 179*	*02/28/24 17:21*	*02/28/24 22:50*	*1*
4-Bromofluorobenzene (Surr)	*100*		*80 - 120*	*02/28/24 17:21*	*02/28/24 22:50*	*1*
Dibromofluoromethane (Surr)	*111*		*58 - 147*	*02/28/24 17:21*	*02/28/24 22:50*	*1*
Toluene-d8 (Surr)	*98*		*80 - 120*	*02/28/24 17:21*	*02/28/24 22:50*	*1*

Client Sample ID: CEB2-5'
Date Collected: 02/27/24 08:35
Date Received: 02/27/24 18:20

Lab Sample ID: 570-174146-6
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.70	0.20	ug/Kg		02/28/24 17:21	02/28/24 23:12	1
1,1,1-Trichloroethane	ND		0.70	0.16	ug/Kg		02/28/24 17:21	02/28/24 23:12	1
1,1,2,2-Tetrachloroethane	ND		1.4	0.38	ug/Kg		02/28/24 17:21	02/28/24 23:12	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		7.0	0.33	ug/Kg		02/28/24 17:21	02/28/24 23:12	1
1,1,2-Trichloroethane	ND		0.70	0.33	ug/Kg		02/28/24 17:21	02/28/24 23:12	1
1,1-Dichloroethane	ND		0.70	0.20	ug/Kg		02/28/24 17:21	02/28/24 23:12	1
1,1-Dichloroethene	ND		0.70	0.19	ug/Kg		02/28/24 17:21	02/28/24 23:12	1
1,1-Dichloropropene	ND		1.4	0.27	ug/Kg		02/28/24 17:21	02/28/24 23:12	1
1,2,3-Trichlorobenzene	ND		1.4	0.27	ug/Kg		02/28/24 17:21	02/28/24 23:12	1
1,2,3-Trichloropropane	ND		1.4	0.30	ug/Kg		02/28/24 17:21	02/28/24 23:12	1
1,2,4-Trichlorobenzene	ND		1.4	0.29	ug/Kg		02/28/24 17:21	02/28/24 23:12	1
1,2,4-Trimethylbenzene	ND		1.4	0.42	ug/Kg		02/28/24 17:21	02/28/24 23:12	1
1,2-Dibromo-3-Chloropropane	ND		7.0	2.3	ug/Kg		02/28/24 17:21	02/28/24 23:12	1
1,2-Dibromoethane	ND		0.70	0.15	ug/Kg		02/28/24 17:21	02/28/24 23:12	1
1,2-Dichlorobenzene	ND		0.70	0.18	ug/Kg		02/28/24 17:21	02/28/24 23:12	1
1,2-Dichloroethane	ND		0.70	0.19	ug/Kg		02/28/24 17:21	02/28/24 23:12	1
1,2-Dichloropropane	ND		0.70	0.19	ug/Kg		02/28/24 17:21	02/28/24 23:12	1
1,3,5-Trimethylbenzene	ND		1.4	0.19	ug/Kg		02/28/24 17:21	02/28/24 23:12	1
1,3-Dichlorobenzene	ND		0.70	0.18	ug/Kg		02/28/24 17:21	02/28/24 23:12	1

Method: SW846 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Client Sample ID: CEB2-5'
Date Collected: 02/27/24 08:35
Date Received: 02/27/24 18:20

Lab Sample ID: 570-174146-6
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,3-Dichloropropane	ND		0.70	0.21	ug/Kg		02/28/24 17:21	02/28/24 23:12	1
1,4-Dichlorobenzene	ND		0.70	0.22	ug/Kg		02/28/24 17:21	02/28/24 23:12	1
2,2-Dichloropropane	ND		3.5	0.19	ug/Kg		02/28/24 17:21	02/28/24 23:12	1
2-Butanone	**4.2**	**J**	14	3.2	ug/Kg		02/28/24 17:21	02/28/24 23:12	1
2-Chlorotoluene	ND		0.70	0.18	ug/Kg		02/28/24 17:21	02/28/24 23:12	1
2-Hexanone	ND		14	2.2	ug/Kg		02/28/24 17:21	02/28/24 23:12	1
4-Chlorotoluene	ND		0.70	0.17	ug/Kg		02/28/24 17:21	02/28/24 23:12	1
4-Methyl-2-pentanone	ND		14	2.0	ug/Kg		02/28/24 17:21	02/28/24 23:12	1
Acetone	**64**		14	6.9	ug/Kg		02/28/24 17:21	02/28/24 23:12	1
Benzene	**0.82**		0.70	0.18	ug/Kg		02/28/24 17:21	02/28/24 23:12	1
Bromobenzene	ND		0.70	0.15	ug/Kg		02/28/24 17:21	02/28/24 23:12	1
Bromochloromethane	ND		1.4	0.31	ug/Kg		02/28/24 17:21	02/28/24 23:12	1
Bromodichloromethane	ND		0.70	0.23	ug/Kg		02/28/24 17:21	02/28/24 23:12	1
Bromoform	ND		3.5	0.93	ug/Kg		02/28/24 17:21	02/28/24 23:12	1
Bromomethane	ND		14	4.6	ug/Kg		02/28/24 17:21	02/28/24 23:12	1
cis-1,2-Dichloroethene	ND		0.70	0.24	ug/Kg		02/28/24 17:21	02/28/24 23:12	1
cis-1,3-Dichloropropene	ND		0.70	0.25	ug/Kg		02/28/24 17:21	02/28/24 23:12	1
Carbon disulfide	ND		7.0	0.28	ug/Kg		02/28/24 17:21	02/28/24 23:12	1
Carbon tetrachloride	ND		0.70	0.21	ug/Kg		02/28/24 17:21	02/28/24 23:12	1
Chlorobenzene	ND		0.70	0.19	ug/Kg		02/28/24 17:21	02/28/24 23:12	1
Chloroethane	ND		1.4	0.52	ug/Kg		02/28/24 17:21	02/28/24 23:12	1
Chloroform	ND		0.70	0.42	ug/Kg		02/28/24 17:21	02/28/24 23:12	1
Chloromethane	ND		14	1.1	ug/Kg		02/28/24 17:21	02/28/24 23:12	1
Dibromochloromethane	ND		1.4	0.19	ug/Kg		02/28/24 17:21	02/28/24 23:12	1
Dibromomethane	ND		0.70	0.21	ug/Kg		02/28/24 17:21	02/28/24 23:12	1
Dichlorodifluoromethane	ND		1.4	0.32	ug/Kg		02/28/24 17:21	02/28/24 23:12	1
Di-isopropyl ether (DIPE)	ND		0.70	0.35	ug/Kg		02/28/24 17:21	02/28/24 23:12	1
Ethanol	ND	*1	180	65	ug/Kg		02/28/24 17:21	02/28/24 23:12	1
Ethylbenzene	ND		0.70	0.15	ug/Kg		02/28/24 17:21	02/28/24 23:12	1
Ethyl-t-butyl ether (ETBE)	ND		0.70	0.17	ug/Kg		02/28/24 17:21	02/28/24 23:12	1
Isopropylbenzene	ND		0.70	0.19	ug/Kg		02/28/24 17:21	02/28/24 23:12	1
Methylene Chloride	ND		7.0	2.2	ug/Kg		02/28/24 17:21	02/28/24 23:12	1
Methyl-t-Butyl Ether (MTBE)	ND		1.4	0.13	ug/Kg		02/28/24 17:21	02/28/24 23:12	1
Naphthalene	ND		7.0	2.8	ug/Kg		02/28/24 17:21	02/28/24 23:12	1
n-Butylbenzene	ND		0.70	0.15	ug/Kg		02/28/24 17:21	02/28/24 23:12	1
N-Propylbenzene	ND		1.4	0.18	ug/Kg		02/28/24 17:21	02/28/24 23:12	1
o-Xylene	ND		0.70	0.18	ug/Kg		02/28/24 17:21	02/28/24 23:12	1
m,p-Xylene	ND		1.4	0.33	ug/Kg		02/28/24 17:21	02/28/24 23:12	1
p-Isopropyltoluene	ND		0.70	0.20	ug/Kg		02/28/24 17:21	02/28/24 23:12	1
sec-Butylbenzene	ND		0.70	0.19	ug/Kg		02/28/24 17:21	02/28/24 23:12	1
Styrene	ND		0.70	0.22	ug/Kg		02/28/24 17:21	02/28/24 23:12	1
trans-1,2-Dichloroethene	ND		0.70	0.21	ug/Kg		02/28/24 17:21	02/28/24 23:12	1
trans-1,3-Dichloropropene	ND		1.4	0.20	ug/Kg		02/28/24 17:21	02/28/24 23:12	1
Tert-amyl-methyl ether (TAME)	ND		0.70	0.14	ug/Kg		02/28/24 17:21	02/28/24 23:12	1
tert-Butyl alcohol (TBA)	**5.4**	**J *1 *+**	14	4.9	ug/Kg		02/28/24 17:21	02/28/24 23:12	1
tert-Butylbenzene	ND		0.70	0.18	ug/Kg		02/28/24 17:21	02/28/24 23:12	1
Tetrachloroethene	**1.3**		0.70	0.16	ug/Kg		02/28/24 17:21	02/28/24 23:12	1
Toluene	**0.30**	**J**	0.70	0.19	ug/Kg		02/28/24 17:21	02/28/24 23:12	1
Trichloroethene	ND		1.4	0.27	ug/Kg		02/28/24 17:21	02/28/24 23:12	1

Method: SW846 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Client Sample ID: CEB2-5'
Date Collected: 02/27/24 08:35
Date Received: 02/27/24 18:20

Lab Sample ID: 570-174146-6
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichlorofluoromethane	ND		7.0	0.19	ug/Kg		02/28/24 17:21	02/28/24 23:12	1
Vinyl acetate	ND		7.0	2.8	ug/Kg		02/28/24 17:21	02/28/24 23:12	1
Vinyl chloride	ND		0.70	0.27	ug/Kg		02/28/24 17:21	02/28/24 23:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*134*		*32 - 179*	*02/28/24 17:21*	*02/28/24 23:12*	*1*
4-Bromofluorobenzene (Surr)	*101*		*80 - 120*	*02/28/24 17:21*	*02/28/24 23:12*	*1*
Dibromofluoromethane (Surr)	*113*		*58 - 147*	*02/28/24 17:21*	*02/28/24 23:12*	*1*
Toluene-d8 (Surr)	*99*		*80 - 120*	*02/28/24 17:21*	*02/28/24 23:12*	*1*

Client Sample ID: CEB2-10'
Date Collected: 02/27/24 08:40
Date Received: 02/27/24 18:20

Lab Sample ID: 570-174146-7
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.80	0.23	ug/Kg		02/28/24 17:21	02/28/24 23:34	1
1,1,1-Trichloroethane	ND		0.80	0.19	ug/Kg		02/28/24 17:21	02/28/24 23:34	1
1,1,2,2-Tetrachloroethane	ND		1.6	0.44	ug/Kg		02/28/24 17:21	02/28/24 23:34	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		8.0	0.37	ug/Kg		02/28/24 17:21	02/28/24 23:34	1
1,1,2-Trichloroethane	ND		0.80	0.37	ug/Kg		02/28/24 17:21	02/28/24 23:34	1
1,1-Dichloroethane	ND		0.80	0.22	ug/Kg		02/28/24 17:21	02/28/24 23:34	1
1,1-Dichloroethene	ND		0.80	0.21	ug/Kg		02/28/24 17:21	02/28/24 23:34	1
1,1-Dichloropropene	ND		1.6	0.31	ug/Kg		02/28/24 17:21	02/28/24 23:34	1
1,2,3-Trichlorobenzene	ND		1.6	0.30	ug/Kg		02/28/24 17:21	02/28/24 23:34	1
1,2,3-Trichloropropane	ND		1.6	0.34	ug/Kg		02/28/24 17:21	02/28/24 23:34	1
1,2,4-Trichlorobenzene	ND		1.6	0.33	ug/Kg		02/28/24 17:21	02/28/24 23:34	1
1,2,4-Trimethylbenzene	ND		1.6	0.48	ug/Kg		02/28/24 17:21	02/28/24 23:34	1
1,2-Dibromo-3-Chloropropane	ND		8.0	2.7	ug/Kg		02/28/24 17:21	02/28/24 23:34	1
1,2-Dibromoethane	ND		0.80	0.17	ug/Kg		02/28/24 17:21	02/28/24 23:34	1
1,2-Dichlorobenzene	ND		0.80	0.20	ug/Kg		02/28/24 17:21	02/28/24 23:34	1
1,2-Dichloroethane	ND		0.80	0.22	ug/Kg		02/28/24 17:21	02/28/24 23:34	1
1,2-Dichloropropane	ND		0.80	0.22	ug/Kg		02/28/24 17:21	02/28/24 23:34	1
1,3,5-Trimethylbenzene	ND		1.6	0.21	ug/Kg		02/28/24 17:21	02/28/24 23:34	1
1,3-Dichlorobenzene	ND		0.80	0.20	ug/Kg		02/28/24 17:21	02/28/24 23:34	1
1,3-Dichloropropane	ND		0.80	0.24	ug/Kg		02/28/24 17:21	02/28/24 23:34	1
1,4-Dichlorobenzene	ND		0.80	0.25	ug/Kg		02/28/24 17:21	02/28/24 23:34	1
2,2-Dichloropropane	ND		4.0	0.22	ug/Kg		02/28/24 17:21	02/28/24 23:34	1
2-Butanone	ND		16	3.6	ug/Kg		02/28/24 17:21	02/28/24 23:34	1
2-Chlorotoluene	ND		0.80	0.20	ug/Kg		02/28/24 17:21	02/28/24 23:34	1
2-Hexanone	ND		16	2.5	ug/Kg		02/28/24 17:21	02/28/24 23:34	1
4-Chlorotoluene	ND		0.80	0.19	ug/Kg		02/28/24 17:21	02/28/24 23:34	1
4-Methyl-2-pentanone	ND		16	2.3	ug/Kg		02/28/24 17:21	02/28/24 23:34	1
Acetone	**34**		16	7.9	ug/Kg		02/28/24 17:21	02/28/24 23:34	1
Benzene	**1.1**		0.80	0.21	ug/Kg		02/28/24 17:21	02/28/24 23:34	1
Bromobenzene	ND		0.80	0.17	ug/Kg		02/28/24 17:21	02/28/24 23:34	1
Bromochloromethane	ND		1.6	0.36	ug/Kg		02/28/24 17:21	02/28/24 23:34	1
Bromodichloromethane	ND		0.80	0.26	ug/Kg		02/28/24 17:21	02/28/24 23:34	1
Bromoform	ND		4.0	1.1	ug/Kg		02/28/24 17:21	02/28/24 23:34	1
Bromomethane	ND		16	5.3	ug/Kg		02/28/24 17:21	02/28/24 23:34	1
cis-1,2-Dichloroethene	ND		0.80	0.27	ug/Kg		02/28/24 17:21	02/28/24 23:34	1
cis-1,3-Dichloropropene	ND		0.80	0.28	ug/Kg		02/28/24 17:21	02/28/24 23:34	1

Method: SW846 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Client Sample ID: CEB2-10'
Date Collected: 02/27/24 08:40
Date Received: 02/27/24 18:20

Lab Sample ID: 570-174146-7
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon disulfide	ND		8.0	0.32	ug/Kg		02/28/24 17:21	02/28/24 23:34	1
Carbon tetrachloride	ND		0.80	0.24	ug/Kg		02/28/24 17:21	02/28/24 23:34	1
Chlorobenzene	ND		0.80	0.21	ug/Kg		02/28/24 17:21	02/28/24 23:34	1
Chloroethane	ND		1.6	0.60	ug/Kg		02/28/24 17:21	02/28/24 23:34	1
Chloroform	ND		0.80	0.47	ug/Kg		02/28/24 17:21	02/28/24 23:34	1
Chloromethane	ND		16	1.2	ug/Kg		02/28/24 17:21	02/28/24 23:34	1
Dibromochloromethane	ND		1.6	0.22	ug/Kg		02/28/24 17:21	02/28/24 23:34	1
Dibromomethane	ND		0.80	0.24	ug/Kg		02/28/24 17:21	02/28/24 23:34	1
Dichlorodifluoromethane	ND		1.6	0.36	ug/Kg		02/28/24 17:21	02/28/24 23:34	1
Di-isopropyl ether (DIPE)	ND		0.80	0.40	ug/Kg		02/28/24 17:21	02/28/24 23:34	1
Ethanol	ND	*1	200	74	ug/Kg		02/28/24 17:21	02/28/24 23:34	1
Ethylbenzene	ND		0.80	0.17	ug/Kg		02/28/24 17:21	02/28/24 23:34	1
Ethyl-t-butyl ether (ETBE)	ND		0.80	0.19	ug/Kg		02/28/24 17:21	02/28/24 23:34	1
Isopropylbenzene	ND		0.80	0.22	ug/Kg		02/28/24 17:21	02/28/24 23:34	1
Methylene Chloride	ND		8.0	2.5	ug/Kg		02/28/24 17:21	02/28/24 23:34	1
Methyl-t-Butyl Ether (MTBE)	ND		1.6	0.15	ug/Kg		02/28/24 17:21	02/28/24 23:34	1
Naphthalene	ND		8.0	3.1	ug/Kg		02/28/24 17:21	02/28/24 23:34	1
n-Butylbenzene	ND		0.80	0.17	ug/Kg		02/28/24 17:21	02/28/24 23:34	1
N-Propylbenzene	ND		1.6	0.21	ug/Kg		02/28/24 17:21	02/28/24 23:34	1
o-Xylene	ND		0.80	0.20	ug/Kg		02/28/24 17:21	02/28/24 23:34	1
m,p-Xylene	ND		1.6	0.38	ug/Kg		02/28/24 17:21	02/28/24 23:34	1
p-Isopropyltoluene	ND		0.80	0.23	ug/Kg		02/28/24 17:21	02/28/24 23:34	1
sec-Butylbenzene	ND		0.80	0.22	ug/Kg		02/28/24 17:21	02/28/24 23:34	1
Styrene	ND		0.80	0.25	ug/Kg		02/28/24 17:21	02/28/24 23:34	1
trans-1,2-Dichloroethene	ND		0.80	0.24	ug/Kg		02/28/24 17:21	02/28/24 23:34	1
trans-1,3-Dichloropropene	ND		1.6	0.22	ug/Kg		02/28/24 17:21	02/28/24 23:34	1
Tert-amyl-methyl ether (TAME)	ND		0.80	0.16	ug/Kg		02/28/24 17:21	02/28/24 23:34	1
tert-Butyl alcohol (TBA)	ND	*1 *+	16	5.6	ug/Kg		02/28/24 17:21	02/28/24 23:34	1
tert-Butylbenzene	ND		0.80	0.20	ug/Kg		02/28/24 17:21	02/28/24 23:34	1
Tetrachloroethene	**0.26**	**J**	0.80	0.18	ug/Kg		02/28/24 17:21	02/28/24 23:34	1
Toluene	**0.46**	**J**	0.80	0.22	ug/Kg		02/28/24 17:21	02/28/24 23:34	1
Trichloroethene	ND		1.6	0.31	ug/Kg		02/28/24 17:21	02/28/24 23:34	1
Trichlorofluoromethane	ND		8.0	0.22	ug/Kg		02/28/24 17:21	02/28/24 23:34	1
Vinyl acetate	ND		8.0	3.1	ug/Kg		02/28/24 17:21	02/28/24 23:34	1
Vinyl chloride	ND		0.80	0.30	ug/Kg		02/28/24 17:21	02/28/24 23:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*130*		*32 - 179*	*02/28/24 17:21*	*02/28/24 23:34*	*1*
4-Bromofluorobenzene (Surr)	*100*		*80 - 120*	*02/28/24 17:21*	*02/28/24 23:34*	*1*
Dibromofluoromethane (Surr)	*110*		*58 - 147*	*02/28/24 17:21*	*02/28/24 23:34*	*1*
Toluene-d8 (Surr)	*99*		*80 - 120*	*02/28/24 17:21*	*02/28/24 23:34*	*1*

Client Sample ID: CEB3-2'
Date Collected: 02/27/24 09:31
Date Received: 02/27/24 18:20

Lab Sample ID: 570-174146-9
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.66	0.19	ug/Kg		02/28/24 17:21	02/28/24 23:55	1
1,1,1-Trichloroethane	ND		0.66	0.15	ug/Kg		02/28/24 17:21	02/28/24 23:55	1
1,1,2,2-Tetrachloroethane	ND		1.3	0.36	ug/Kg		02/28/24 17:21	02/28/24 23:55	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		6.6	0.30	ug/Kg		02/28/24 17:21	02/28/24 23:55	1

Method: SW846 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Client Sample ID: CEB3-2'
Date Collected: 02/27/24 09:31
Date Received: 02/27/24 18:20

Lab Sample ID: 570-174146-9
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2-Trichloroethane	ND		0.66	0.31	ug/Kg		02/28/24 17:21	02/28/24 23:55	1
1,1-Dichloroethane	ND		0.66	0.18	ug/Kg		02/28/24 17:21	02/28/24 23:55	1
1,1-Dichloroethene	ND		0.66	0.17	ug/Kg		02/28/24 17:21	02/28/24 23:55	1
1,1-Dichloropropene	ND		1.3	0.26	ug/Kg		02/28/24 17:21	02/28/24 23:55	1
1,2,3-Trichlorobenzene	ND		1.3	0.25	ug/Kg		02/28/24 17:21	02/28/24 23:55	1
1,2,3-Trichloropropane	ND		1.3	0.28	ug/Kg		02/28/24 17:21	02/28/24 23:55	1
1,2,4-Trichlorobenzene	ND		1.3	0.27	ug/Kg		02/28/24 17:21	02/28/24 23:55	1
1,2,4-Trimethylbenzene	ND		1.3	0.39	ug/Kg		02/28/24 17:21	02/28/24 23:55	1
1,2-Dibromo-3-Chloropropane	ND		6.6	2.2	ug/Kg		02/28/24 17:21	02/28/24 23:55	1
1,2-Dibromoethane	ND		0.66	0.14	ug/Kg		02/28/24 17:21	02/28/24 23:55	1
1,2-Dichlorobenzene	ND		0.66	0.16	ug/Kg		02/28/24 17:21	02/28/24 23:55	1
1,2-Dichloroethane	ND		0.66	0.18	ug/Kg		02/28/24 17:21	02/28/24 23:55	1
1,2-Dichloropropane	ND		0.66	0.18	ug/Kg		02/28/24 17:21	02/28/24 23:55	1
1,3,5-Trimethylbenzene	ND		1.3	0.18	ug/Kg		02/28/24 17:21	02/28/24 23:55	1
1,3-Dichlorobenzene	ND		0.66	0.17	ug/Kg		02/28/24 17:21	02/28/24 23:55	1
1,3-Dichloropropane	ND		0.66	0.19	ug/Kg		02/28/24 17:21	02/28/24 23:55	1
1,4-Dichlorobenzene	ND		0.66	0.20	ug/Kg		02/28/24 17:21	02/28/24 23:55	1
2,2-Dichloropropane	ND		3.3	0.18	ug/Kg		02/28/24 17:21	02/28/24 23:55	1
2-Butanone	ND		13	3.0	ug/Kg		02/28/24 17:21	02/28/24 23:55	1
2-Chlorotoluene	ND		0.66	0.17	ug/Kg		02/28/24 17:21	02/28/24 23:55	1
2-Hexanone	ND		13	2.0	ug/Kg		02/28/24 17:21	02/28/24 23:55	1
4-Chlorotoluene	ND		0.66	0.16	ug/Kg		02/28/24 17:21	02/28/24 23:55	1
4-Methyl-2-pentanone	ND		13	1.9	ug/Kg		02/28/24 17:21	02/28/24 23:55	1
Acetone	**17**		13	6.5	ug/Kg		02/28/24 17:21	02/28/24 23:55	1
Benzene	**1.3**		0.66	0.17	ug/Kg		02/28/24 17:21	02/28/24 23:55	1
Bromobenzene	ND		0.66	0.14	ug/Kg		02/28/24 17:21	02/28/24 23:55	1
Bromochloromethane	ND		1.3	0.29	ug/Kg		02/28/24 17:21	02/28/24 23:55	1
Bromodichloromethane	ND		0.66	0.21	ug/Kg		02/28/24 17:21	02/28/24 23:55	1
Bromoform	ND		3.3	0.87	ug/Kg		02/28/24 17:21	02/28/24 23:55	1
Bromomethane	ND		13	4.3	ug/Kg		02/28/24 17:21	02/28/24 23:55	1
cis-1,2-Dichloroethene	ND		0.66	0.22	ug/Kg		02/28/24 17:21	02/28/24 23:55	1
cis-1,3-Dichloropropene	ND		0.66	0.23	ug/Kg		02/28/24 17:21	02/28/24 23:55	1
Carbon disulfide	ND		6.6	0.26	ug/Kg		02/28/24 17:21	02/28/24 23:55	1
Carbon tetrachloride	ND		0.66	0.20	ug/Kg		02/28/24 17:21	02/28/24 23:55	1
Chlorobenzene	ND		0.66	0.18	ug/Kg		02/28/24 17:21	02/28/24 23:55	1
Chloroethane	ND		1.3	0.49	ug/Kg		02/28/24 17:21	02/28/24 23:55	1
Chloroform	ND		0.66	0.39	ug/Kg		02/28/24 17:21	02/28/24 23:55	1
Chloromethane	ND		13	1.0	ug/Kg		02/28/24 17:21	02/28/24 23:55	1
Dibromochloromethane	ND		1.3	0.18	ug/Kg		02/28/24 17:21	02/28/24 23:55	1
Dibromomethane	ND		0.66	0.20	ug/Kg		02/28/24 17:21	02/28/24 23:55	1
Dichlorodifluoromethane	ND		1.3	0.30	ug/Kg		02/28/24 17:21	02/28/24 23:55	1
Di-isopropyl ether (DIPE)	ND		0.66	0.33	ug/Kg		02/28/24 17:21	02/28/24 23:55	1
Ethanol	ND	*1	160	61	ug/Kg		02/28/24 17:21	02/28/24 23:55	1
Ethylbenzene	**0.27**	**J**	0.66	0.14	ug/Kg		02/28/24 17:21	02/28/24 23:55	1
Ethyl-t-butyl ether (ETBE)	ND		0.66	0.16	ug/Kg		02/28/24 17:21	02/28/24 23:55	1
Isopropylbenzene	ND		0.66	0.18	ug/Kg		02/28/24 17:21	02/28/24 23:55	1
Methylene Chloride	ND		6.6	2.1	ug/Kg		02/28/24 17:21	02/28/24 23:55	1
Methyl-t-Butyl Ether (MTBE)	ND		1.3	0.12	ug/Kg		02/28/24 17:21	02/28/24 23:55	1
Naphthalene	ND		6.6	2.6	ug/Kg		02/28/24 17:21	02/28/24 23:55	1

Method: SW846 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Client Sample ID: CEB3-2'
Date Collected: 02/27/24 09:31
Date Received: 02/27/24 18:20

Lab Sample ID: 570-174146-9
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
n-Butylbenzene	ND		0.66	0.14	ug/Kg		02/28/24 17:21	02/28/24 23:55	1
N-Propylbenzene	ND		1.3	0.17	ug/Kg		02/28/24 17:21	02/28/24 23:55	1
o-Xylene	**0.35**	**J**	0.66	0.17	ug/Kg		02/28/24 17:21	02/28/24 23:55	1
m,p-Xylene	**1.0**	**J**	1.3	0.31	ug/Kg		02/28/24 17:21	02/28/24 23:55	1
p-Isopropyltoluene	ND		0.66	0.19	ug/Kg		02/28/24 17:21	02/28/24 23:55	1
sec-Butylbenzene	ND		0.66	0.18	ug/Kg		02/28/24 17:21	02/28/24 23:55	1
Styrene	ND		0.66	0.21	ug/Kg		02/28/24 17:21	02/28/24 23:55	1
trans-1,2-Dichloroethene	ND		0.66	0.20	ug/Kg		02/28/24 17:21	02/28/24 23:55	1
trans-1,3-Dichloropropene	ND		1.3	0.18	ug/Kg		02/28/24 17:21	02/28/24 23:55	1
Tert-amyl-methyl ether (TAME)	ND		0.66	0.13	ug/Kg		02/28/24 17:21	02/28/24 23:55	1
tert-Butyl alcohol (TBA)	ND	*1 *+	13	4.6	ug/Kg		02/28/24 17:21	02/28/24 23:55	1
tert-Butylbenzene	ND		0.66	0.17	ug/Kg		02/28/24 17:21	02/28/24 23:55	1
Tetrachloroethene	**0.16**	**J**	0.66	0.15	ug/Kg		02/28/24 17:21	02/28/24 23:55	1
Toluene	**0.41**	**J**	0.66	0.18	ug/Kg		02/28/24 17:21	02/28/24 23:55	1
Trichloroethene	ND		1.3	0.25	ug/Kg		02/28/24 17:21	02/28/24 23:55	1
Trichlorofluoromethane	ND		6.6	0.18	ug/Kg		02/28/24 17:21	02/28/24 23:55	1
Vinyl acetate	ND		6.6	2.6	ug/Kg		02/28/24 17:21	02/28/24 23:55	1
Vinyl chloride	ND		0.66	0.25	ug/Kg		02/28/24 17:21	02/28/24 23:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*136*		*32 - 179*	*02/28/24 17:21*	*02/28/24 23:55*	*1*
4-Bromofluorobenzene (Surr)	*101*		*80 - 120*	*02/28/24 17:21*	*02/28/24 23:55*	*1*
Dibromofluoromethane (Surr)	*115*		*58 - 147*	*02/28/24 17:21*	*02/28/24 23:55*	*1*
Toluene-d8 (Surr)	*99*		*80 - 120*	*02/28/24 17:21*	*02/28/24 23:55*	*1*

Client Sample ID: CEB3-5'
Date Collected: 02/27/24 09:35
Date Received: 02/27/24 18:20

Lab Sample ID: 570-174146-10
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.76	0.22	ug/Kg		02/28/24 17:21	02/29/24 00:17	1
1,1,1-Trichloroethane	ND		0.76	0.18	ug/Kg		02/28/24 17:21	02/29/24 00:17	1
1,1,2,2-Tetrachloroethane	ND		1.5	0.42	ug/Kg		02/28/24 17:21	02/29/24 00:17	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		7.6	0.35	ug/Kg		02/28/24 17:21	02/29/24 00:17	1
1,1,2-Trichloroethane	ND		0.76	0.36	ug/Kg		02/28/24 17:21	02/29/24 00:17	1
1,1-Dichloroethane	ND		0.76	0.21	ug/Kg		02/28/24 17:21	02/29/24 00:17	1
1,1-Dichloroethene	ND		0.76	0.20	ug/Kg		02/28/24 17:21	02/29/24 00:17	1
1,1-Dichloropropene	ND		1.5	0.30	ug/Kg		02/28/24 17:21	02/29/24 00:17	1
1,2,3-Trichlorobenzene	ND		1.5	0.29	ug/Kg		02/28/24 17:21	02/29/24 00:17	1
1,2,3-Trichloropropane	ND		1.5	0.32	ug/Kg		02/28/24 17:21	02/29/24 00:17	1
1,2,4-Trichlorobenzene	ND		1.5	0.31	ug/Kg		02/28/24 17:21	02/29/24 00:17	1
1,2,4-Trimethylbenzene	ND		1.5	0.46	ug/Kg		02/28/24 17:21	02/29/24 00:17	1
1,2-Dibromo-3-Chloropropane	ND		7.6	2.6	ug/Kg		02/28/24 17:21	02/29/24 00:17	1
1,2-Dibromoethane	ND		0.76	0.16	ug/Kg		02/28/24 17:21	02/29/24 00:17	1
1,2-Dichlorobenzene	ND		0.76	0.19	ug/Kg		02/28/24 17:21	02/29/24 00:17	1
1,2-Dichloroethane	ND		0.76	0.21	ug/Kg		02/28/24 17:21	02/29/24 00:17	1
1,2-Dichloropropane	ND		0.76	0.21	ug/Kg		02/28/24 17:21	02/29/24 00:17	1
1,3,5-Trimethylbenzene	ND		1.5	0.20	ug/Kg		02/28/24 17:21	02/29/24 00:17	1
1,3-Dichlorobenzene	ND		0.76	0.19	ug/Kg		02/28/24 17:21	02/29/24 00:17	1
1,3-Dichloropropane	ND		0.76	0.23	ug/Kg		02/28/24 17:21	02/29/24 00:17	1
1,4-Dichlorobenzene	ND		0.76	0.23	ug/Kg		02/28/24 17:21	02/29/24 00:17	1

Method: SW846 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Client Sample ID: CEB3-5'
Date Collected: 02/27/24 09:35
Date Received: 02/27/24 18:20

Lab Sample ID: 570-174146-10
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,2-Dichloropropane	ND		3.8	0.21	ug/Kg		02/28/24 17:21	02/29/24 00:17	1
2-Butanone	ND		15	3.5	ug/Kg		02/28/24 17:21	02/29/24 00:17	1
2-Chlorotoluene	ND		0.76	0.19	ug/Kg		02/28/24 17:21	02/29/24 00:17	1
2-Hexanone	ND		15	2.4	ug/Kg		02/28/24 17:21	02/29/24 00:17	1
4-Chlorotoluene	ND		0.76	0.18	ug/Kg		02/28/24 17:21	02/29/24 00:17	1
4-Methyl-2-pentanone	ND		15	2.2	ug/Kg		02/28/24 17:21	02/29/24 00:17	1
Acetone	**25**		15	7.5	ug/Kg		02/28/24 17:21	02/29/24 00:17	1
Benzene	**1.7**		0.76	0.20	ug/Kg		02/28/24 17:21	02/29/24 00:17	1
Bromobenzene	ND		0.76	0.16	ug/Kg		02/28/24 17:21	02/29/24 00:17	1
Bromochloromethane	ND		1.5	0.34	ug/Kg		02/28/24 17:21	02/29/24 00:17	1
Bromodichloromethane	ND		0.76	0.25	ug/Kg		02/28/24 17:21	02/29/24 00:17	1
Bromoform	ND		3.8	1.0	ug/Kg		02/28/24 17:21	02/29/24 00:17	1
Bromomethane	ND		15	5.0	ug/Kg		02/28/24 17:21	02/29/24 00:17	1
cis-1,2-Dichloroethene	ND		0.76	0.26	ug/Kg		02/28/24 17:21	02/29/24 00:17	1
cis-1,3-Dichloropropene	ND		0.76	0.27	ug/Kg		02/28/24 17:21	02/29/24 00:17	1
Carbon disulfide	ND		7.6	0.31	ug/Kg		02/28/24 17:21	02/29/24 00:17	1
Carbon tetrachloride	ND		0.76	0.23	ug/Kg		02/28/24 17:21	02/29/24 00:17	1
Chlorobenzene	ND		0.76	0.20	ug/Kg		02/28/24 17:21	02/29/24 00:17	1
Chloroethane	ND		1.5	0.57	ug/Kg		02/28/24 17:21	02/29/24 00:17	1
Chloroform	ND		0.76	0.45	ug/Kg		02/28/24 17:21	02/29/24 00:17	1
Chloromethane	ND		15	1.2	ug/Kg		02/28/24 17:21	02/29/24 00:17	1
Dibromochloromethane	ND		1.5	0.21	ug/Kg		02/28/24 17:21	02/29/24 00:17	1
Dibromomethane	ND		0.76	0.23	ug/Kg		02/28/24 17:21	02/29/24 00:17	1
Dichlorodifluoromethane	ND		1.5	0.35	ug/Kg		02/28/24 17:21	02/29/24 00:17	1
Di-isopropyl ether (DIPE)	ND		0.76	0.38	ug/Kg		02/28/24 17:21	02/29/24 00:17	1
Ethanol	ND	*1	190	70	ug/Kg		02/28/24 17:21	02/29/24 00:17	1
Ethylbenzene	ND		0.76	0.16	ug/Kg		02/28/24 17:21	02/29/24 00:17	1
Ethyl-t-butyl ether (ETBE)	ND		0.76	0.18	ug/Kg		02/28/24 17:21	02/29/24 00:17	1
Isopropylbenzene	ND		0.76	0.21	ug/Kg		02/28/24 17:21	02/29/24 00:17	1
Methylene Chloride	ND		7.6	2.4	ug/Kg		02/28/24 17:21	02/29/24 00:17	1
Methyl-t-Butyl Ether (MTBE)	ND		1.5	0.14	ug/Kg		02/28/24 17:21	02/29/24 00:17	1
Naphthalene	ND		7.6	3.0	ug/Kg		02/28/24 17:21	02/29/24 00:17	1
n-Butylbenzene	ND		0.76	0.16	ug/Kg		02/28/24 17:21	02/29/24 00:17	1
N-Propylbenzene	ND		1.5	0.20	ug/Kg		02/28/24 17:21	02/29/24 00:17	1
o-Xylene	ND		0.76	0.20	ug/Kg		02/28/24 17:21	02/29/24 00:17	1
m,p-Xylene	**0.46**	**J**	1.5	0.36	ug/Kg		02/28/24 17:21	02/29/24 00:17	1
p-Isopropyltoluene	ND		0.76	0.22	ug/Kg		02/28/24 17:21	02/29/24 00:17	1
sec-Butylbenzene	ND		0.76	0.21	ug/Kg		02/28/24 17:21	02/29/24 00:17	1
Styrene	ND		0.76	0.24	ug/Kg		02/28/24 17:21	02/29/24 00:17	1
trans-1,2-Dichloroethene	ND		0.76	0.23	ug/Kg		02/28/24 17:21	02/29/24 00:17	1
trans-1,3-Dichloropropene	ND		1.5	0.21	ug/Kg		02/28/24 17:21	02/29/24 00:17	1
Tert-amyl-methyl ether (TAME)	ND		0.76	0.15	ug/Kg		02/28/24 17:21	02/29/24 00:17	1
tert-Butyl alcohol (TBA)	**6.5**	**J *1 *+**	15	5.3	ug/Kg		02/28/24 17:21	02/29/24 00:17	1
tert-Butylbenzene	ND		0.76	0.19	ug/Kg		02/28/24 17:21	02/29/24 00:17	1
Tetrachloroethene	**0.33**	**J**	0.76	0.17	ug/Kg		02/28/24 17:21	02/29/24 00:17	1
Toluene	**0.48**	**J**	0.76	0.21	ug/Kg		02/28/24 17:21	02/29/24 00:17	1
Trichloroethene	ND		1.5	0.30	ug/Kg		02/28/24 17:21	02/29/24 00:17	1
Trichlorofluoromethane	ND		7.6	0.21	ug/Kg		02/28/24 17:21	02/29/24 00:17	1
Vinyl acetate	ND		7.6	3.0	ug/Kg		02/28/24 17:21	02/29/24 00:17	1

Method: SW846 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Client Sample ID: CEB3-5'
Date Collected: 02/27/24 09:35
Date Received: 02/27/24 18:20

Lab Sample ID: 570-174146-10
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl chloride	ND		0.76	0.29	ug/Kg		02/28/24 17:21	02/29/24 00:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*132*		*32 - 179*	*02/28/24 17:21*	*02/29/24 00:17*	*1*
4-Bromofluorobenzene (Surr)	*100*		*80 - 120*	*02/28/24 17:21*	*02/29/24 00:17*	*1*
Dibromofluoromethane (Surr)	*112*		*58 - 147*	*02/28/24 17:21*	*02/29/24 00:17*	*1*
Toluene-d8 (Surr)	*99*		*80 - 120*	*02/28/24 17:21*	*02/29/24 00:17*	*1*

Client Sample ID: CEB3-10'
Date Collected: 02/27/24 09:41
Date Received: 02/27/24 18:20

Lab Sample ID: 570-174146-11
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.75	0.22	ug/Kg		02/28/24 17:21	02/29/24 00:39	1
1,1,1-Trichloroethane	ND		0.75	0.18	ug/Kg		02/28/24 17:21	02/29/24 00:39	1
1,1,2,2-Tetrachloroethane	ND		1.5	0.41	ug/Kg		02/28/24 17:21	02/29/24 00:39	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		7.5	0.35	ug/Kg		02/28/24 17:21	02/29/24 00:39	1
1,1,2-Trichloroethane	ND		0.75	0.35	ug/Kg		02/28/24 17:21	02/29/24 00:39	1
1,1-Dichloroethane	ND		0.75	0.21	ug/Kg		02/28/24 17:21	02/29/24 00:39	1
1,1-Dichloroethene	ND		0.75	0.20	ug/Kg		02/28/24 17:21	02/29/24 00:39	1
1,1-Dichloropropene	ND		1.5	0.29	ug/Kg		02/28/24 17:21	02/29/24 00:39	1
1,2,3-Trichlorobenzene	ND		1.5	0.28	ug/Kg		02/28/24 17:21	02/29/24 00:39	1
1,2,3-Trichloropropane	ND		1.5	0.32	ug/Kg		02/28/24 17:21	02/29/24 00:39	1
1,2,4-Trichlorobenzene	ND		1.5	0.31	ug/Kg		02/28/24 17:21	02/29/24 00:39	1
1,2,4-Trimethylbenzene	ND		1.5	0.45	ug/Kg		02/28/24 17:21	02/29/24 00:39	1
1,2-Dibromo-3-Chloropropane	ND		7.5	2.5	ug/Kg		02/28/24 17:21	02/29/24 00:39	1
1,2-Dibromoethane	ND		0.75	0.16	ug/Kg		02/28/24 17:21	02/29/24 00:39	1
1,2-Dichlorobenzene	ND		0.75	0.19	ug/Kg		02/28/24 17:21	02/29/24 00:39	1
1,2-Dichloroethane	ND		0.75	0.21	ug/Kg		02/28/24 17:21	02/29/24 00:39	1
1,2-Dichloropropane	ND		0.75	0.21	ug/Kg		02/28/24 17:21	02/29/24 00:39	1
1,3,5-Trimethylbenzene	ND		1.5	0.20	ug/Kg		02/28/24 17:21	02/29/24 00:39	1
1,3-Dichlorobenzene	ND		0.75	0.19	ug/Kg		02/28/24 17:21	02/29/24 00:39	1
1,3-Dichloropropane	ND		0.75	0.22	ug/Kg		02/28/24 17:21	02/29/24 00:39	1
1,4-Dichlorobenzene	ND		0.75	0.23	ug/Kg		02/28/24 17:21	02/29/24 00:39	1
2,2-Dichloropropane	ND		3.8	0.20	ug/Kg		02/28/24 17:21	02/29/24 00:39	1
2-Butanone	ND		15	3.4	ug/Kg		02/28/24 17:21	02/29/24 00:39	1
2-Chlorotoluene	ND		0.75	0.19	ug/Kg		02/28/24 17:21	02/29/24 00:39	1
2-Hexanone	ND		15	2.3	ug/Kg		02/28/24 17:21	02/29/24 00:39	1
4-Chlorotoluene	ND		0.75	0.18	ug/Kg		02/28/24 17:21	02/29/24 00:39	1
4-Methyl-2-pentanone	ND		15	2.2	ug/Kg		02/28/24 17:21	02/29/24 00:39	1
Acetone	**16**		15	7.4	ug/Kg		02/28/24 17:21	02/29/24 00:39	1
Benzene	**1.1**		0.75	0.19	ug/Kg		02/28/24 17:21	02/29/24 00:39	1
Bromobenzene	ND		0.75	0.16	ug/Kg		02/28/24 17:21	02/29/24 00:39	1
Bromochloromethane	ND		1.5	0.33	ug/Kg		02/28/24 17:21	02/29/24 00:39	1
Bromodichloromethane	ND		0.75	0.24	ug/Kg		02/28/24 17:21	02/29/24 00:39	1
Bromoform	ND		3.8	1.0	ug/Kg		02/28/24 17:21	02/29/24 00:39	1
Bromomethane	ND		15	5.0	ug/Kg		02/28/24 17:21	02/29/24 00:39	1
cis-1,2-Dichloroethene	ND		0.75	0.25	ug/Kg		02/28/24 17:21	02/29/24 00:39	1
cis-1,3-Dichloropropene	ND		0.75	0.26	ug/Kg		02/28/24 17:21	02/29/24 00:39	1
Carbon disulfide	ND		7.5	0.30	ug/Kg		02/28/24 17:21	02/29/24 00:39	1
Carbon tetrachloride	ND		0.75	0.23	ug/Kg		02/28/24 17:21	02/29/24 00:39	1

Method: SW846 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Client Sample ID: CEB3-10'
Date Collected: 02/27/24 09:41
Date Received: 02/27/24 18:20

Lab Sample ID: 570-174146-11
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlorobenzene	ND		0.75	0.20	ug/Kg		02/28/24 17:21	02/29/24 00:39	1
Chloroethane	ND		1.5	0.56	ug/Kg		02/28/24 17:21	02/29/24 00:39	1
Chloroform	ND		0.75	0.44	ug/Kg		02/28/24 17:21	02/29/24 00:39	1
Chloromethane	ND		15	1.2	ug/Kg		02/28/24 17:21	02/29/24 00:39	1
Dibromochloromethane	ND		1.5	0.21	ug/Kg		02/28/24 17:21	02/29/24 00:39	1
Dibromomethane	ND		0.75	0.23	ug/Kg		02/28/24 17:21	02/29/24 00:39	1
Dichlorodifluoromethane	ND		1.5	0.34	ug/Kg		02/28/24 17:21	02/29/24 00:39	1
Di-isopropyl ether (DIPE)	ND		0.75	0.38	ug/Kg		02/28/24 17:21	02/29/24 00:39	1
Ethanol	ND	*1	190	69	ug/Kg		02/28/24 17:21	02/29/24 00:39	1
Ethylbenzene	ND		0.75	0.16	ug/Kg		02/28/24 17:21	02/29/24 00:39	1
Ethyl-t-butyl ether (ETBE)	ND		0.75	0.18	ug/Kg		02/28/24 17:21	02/29/24 00:39	1
Isopropylbenzene	ND		0.75	0.21	ug/Kg		02/28/24 17:21	02/29/24 00:39	1
Methylene Chloride	ND		7.5	2.4	ug/Kg		02/28/24 17:21	02/29/24 00:39	1
Methyl-t-Butyl Ether (MTBE)	ND		1.5	0.14	ug/Kg		02/28/24 17:21	02/29/24 00:39	1
Naphthalene	ND		7.5	3.0	ug/Kg		02/28/24 17:21	02/29/24 00:39	1
n-Butylbenzene	ND		0.75	0.16	ug/Kg		02/28/24 17:21	02/29/24 00:39	1
N-Propylbenzene	ND		1.5	0.20	ug/Kg		02/28/24 17:21	02/29/24 00:39	1
o-Xylene	ND		0.75	0.19	ug/Kg		02/28/24 17:21	02/29/24 00:39	1
m,p-Xylene	ND		1.5	0.36	ug/Kg		02/28/24 17:21	02/29/24 00:39	1
p-Isopropyltoluene	ND		0.75	0.21	ug/Kg		02/28/24 17:21	02/29/24 00:39	1
sec-Butylbenzene	ND		0.75	0.21	ug/Kg		02/28/24 17:21	02/29/24 00:39	1
Styrene	ND		0.75	0.24	ug/Kg		02/28/24 17:21	02/29/24 00:39	1
trans-1,2-Dichloroethene	ND		0.75	0.23	ug/Kg		02/28/24 17:21	02/29/24 00:39	1
trans-1,3-Dichloropropene	ND		1.5	0.21	ug/Kg		02/28/24 17:21	02/29/24 00:39	1
Tert-amyl-methyl ether (TAME)	ND		0.75	0.15	ug/Kg		02/28/24 17:21	02/29/24 00:39	1
tert-Butyl alcohol (TBA)	ND	*1 *+	15	5.3	ug/Kg		02/28/24 17:21	02/29/24 00:39	1
tert-Butylbenzene	ND		0.75	0.19	ug/Kg		02/28/24 17:21	02/29/24 00:39	1
Tetrachloroethene	ND		0.75	0.17	ug/Kg		02/28/24 17:21	02/29/24 00:39	1
Toluene	**0.46**	**J**	0.75	0.20	ug/Kg		02/28/24 17:21	02/29/24 00:39	1
Trichloroethene	ND		1.5	0.29	ug/Kg		02/28/24 17:21	02/29/24 00:39	1
Trichlorofluoromethane	ND		7.5	0.21	ug/Kg		02/28/24 17:21	02/29/24 00:39	1
Vinyl acetate	ND		7.5	2.9	ug/Kg		02/28/24 17:21	02/29/24 00:39	1
Vinyl chloride	ND		0.75	0.29	ug/Kg		02/28/24 17:21	02/29/24 00:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*135*		*32 - 179*	*02/28/24 17:21*	*02/29/24 00:39*	*1*
4-Bromofluorobenzene (Surr)	*100*		*80 - 120*	*02/28/24 17:21*	*02/29/24 00:39*	*1*
Dibromofluoromethane (Surr)	*115*		*58 - 147*	*02/28/24 17:21*	*02/29/24 00:39*	*1*
Toluene-d8 (Surr)	*100*		*80 - 120*	*02/28/24 17:21*	*02/29/24 00:39*	*1*

Client Sample ID: CEB3-15'
Date Collected: 02/27/24 09:45
Date Received: 02/27/24 18:20

Lab Sample ID: 570-174146-12
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.81	0.24	ug/Kg		02/28/24 17:21	02/29/24 01:00	1
1,1,1-Trichloroethane	ND		0.81	0.19	ug/Kg		02/28/24 17:21	02/29/24 01:00	1
1,1,2,2-Tetrachloroethane	ND		1.6	0.44	ug/Kg		02/28/24 17:21	02/29/24 01:00	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		8.1	0.37	ug/Kg		02/28/24 17:21	02/29/24 01:00	1
1,1,2-Trichloroethane	ND		0.81	0.38	ug/Kg		02/28/24 17:21	02/29/24 01:00	1
1,1-Dichloroethane	ND		0.81	0.23	ug/Kg		02/28/24 17:21	02/29/24 01:00	1

Method: SW846 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Client Sample ID: CEB3-15'
Date Collected: 02/27/24 09:45
Date Received: 02/27/24 18:20

Lab Sample ID: 570-174146-12
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	ND		0.81	0.22	ug/Kg		02/28/24 17:21	02/29/24 01:00	1
1,1-Dichloropropene	ND		1.6	0.31	ug/Kg		02/28/24 17:21	02/29/24 01:00	1
1,2,3-Trichlorobenzene	ND		1.6	0.30	ug/Kg		02/28/24 17:21	02/29/24 01:00	1
1,2,3-Trichloropropane	ND		1.6	0.34	ug/Kg		02/28/24 17:21	02/29/24 01:00	1
1,2,4-Trichlorobenzene	ND		1.6	0.33	ug/Kg		02/28/24 17:21	02/29/24 01:00	1
1,2,4-Trimethylbenzene	ND		1.6	0.49	ug/Kg		02/28/24 17:21	02/29/24 01:00	1
1,2-Dibromo-3-Chloropropane	ND		8.1	2.7	ug/Kg		02/28/24 17:21	02/29/24 01:00	1
1,2-Dibromoethane	ND		0.81	0.17	ug/Kg		02/28/24 17:21	02/29/24 01:00	1
1,2-Dichlorobenzene	ND		0.81	0.20	ug/Kg		02/28/24 17:21	02/29/24 01:00	1
1,2-Dichloroethane	ND		0.81	0.22	ug/Kg		02/28/24 17:21	02/29/24 01:00	1
1,2-Dichloropropane	ND		0.81	0.22	ug/Kg		02/28/24 17:21	02/29/24 01:00	1
1,3,5-Trimethylbenzene	ND		1.6	0.22	ug/Kg		02/28/24 17:21	02/29/24 01:00	1
1,3-Dichlorobenzene	ND		0.81	0.20	ug/Kg		02/28/24 17:21	02/29/24 01:00	1
1,3-Dichloropropane	ND		0.81	0.24	ug/Kg		02/28/24 17:21	02/29/24 01:00	1
1,4-Dichlorobenzene	ND		0.81	0.25	ug/Kg		02/28/24 17:21	02/29/24 01:00	1
2,2-Dichloropropane	ND		4.1	0.22	ug/Kg		02/28/24 17:21	02/29/24 01:00	1
2-Butanone	ND		16	3.7	ug/Kg		02/28/24 17:21	02/29/24 01:00	1
2-Chlorotoluene	ND		0.81	0.20	ug/Kg		02/28/24 17:21	02/29/24 01:00	1
2-Hexanone	ND		16	2.5	ug/Kg		02/28/24 17:21	02/29/24 01:00	1
4-Chlorotoluene	ND		0.81	0.20	ug/Kg		02/28/24 17:21	02/29/24 01:00	1
4-Methyl-2-pentanone	ND		16	2.4	ug/Kg		02/28/24 17:21	02/29/24 01:00	1
Acetone	**14**	**J**	16	8.0	ug/Kg		02/28/24 17:21	02/29/24 01:00	1
Benzene	ND		0.81	0.21	ug/Kg		02/28/24 17:21	02/29/24 01:00	1
Bromobenzene	ND		0.81	0.17	ug/Kg		02/28/24 17:21	02/29/24 01:00	1
Bromochloromethane	ND		1.6	0.36	ug/Kg		02/28/24 17:21	02/29/24 01:00	1
Bromodichloromethane	ND		0.81	0.26	ug/Kg		02/28/24 17:21	02/29/24 01:00	1
Bromoform	ND		4.1	1.1	ug/Kg		02/28/24 17:21	02/29/24 01:00	1
Bromomethane	ND		16	5.3	ug/Kg		02/28/24 17:21	02/29/24 01:00	1
cis-1,2-Dichloroethene	ND		0.81	0.27	ug/Kg		02/28/24 17:21	02/29/24 01:00	1
cis-1,3-Dichloropropene	ND		0.81	0.28	ug/Kg		02/28/24 17:21	02/29/24 01:00	1
Carbon disulfide	ND		8.1	0.32	ug/Kg		02/28/24 17:21	02/29/24 01:00	1
Carbon tetrachloride	ND		0.81	0.24	ug/Kg		02/28/24 17:21	02/29/24 01:00	1
Chlorobenzene	ND		0.81	0.22	ug/Kg		02/28/24 17:21	02/29/24 01:00	1
Chloroethane	ND		1.6	0.60	ug/Kg		02/28/24 17:21	02/29/24 01:00	1
Chloroform	ND		0.81	0.48	ug/Kg		02/28/24 17:21	02/29/24 01:00	1
Chloromethane	ND		16	1.2	ug/Kg		02/28/24 17:21	02/29/24 01:00	1
Dibromochloromethane	ND		1.6	0.22	ug/Kg		02/28/24 17:21	02/29/24 01:00	1
Dibromomethane	ND		0.81	0.25	ug/Kg		02/28/24 17:21	02/29/24 01:00	1
Dichlorodifluoromethane	ND		1.6	0.37	ug/Kg		02/28/24 17:21	02/29/24 01:00	1
Di-isopropyl ether (DIPE)	ND		0.81	0.41	ug/Kg		02/28/24 17:21	02/29/24 01:00	1
Ethanol	ND	*1	200	75	ug/Kg		02/28/24 17:21	02/29/24 01:00	1
Ethylbenzene	ND		0.81	0.17	ug/Kg		02/28/24 17:21	02/29/24 01:00	1
Ethyl-t-butyl ether (ETBE)	ND		0.81	0.19	ug/Kg		02/28/24 17:21	02/29/24 01:00	1
Isopropylbenzene	ND		0.81	0.22	ug/Kg		02/28/24 17:21	02/29/24 01:00	1
Methylene Chloride	ND		8.1	2.5	ug/Kg		02/28/24 17:21	02/29/24 01:00	1
Methyl-t-Butyl Ether (MTBE)	ND		1.6	0.15	ug/Kg		02/28/24 17:21	02/29/24 01:00	1
Naphthalene	ND		8.1	3.2	ug/Kg		02/28/24 17:21	02/29/24 01:00	1
n-Butylbenzene	ND		0.81	0.17	ug/Kg		02/28/24 17:21	02/29/24 01:00	1
N-Propylbenzene	ND		1.6	0.21	ug/Kg		02/28/24 17:21	02/29/24 01:00	1

Method: SW846 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Client Sample ID: CEB3-15'
Date Collected: 02/27/24 09:45
Date Received: 02/27/24 18:20

Lab Sample ID: 570-174146-12
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
o-Xylene	ND		0.81	0.21	ug/Kg		02/28/24 17:21	02/29/24 01:00	1
m,p-Xylene	ND		1.6	0.38	ug/Kg		02/28/24 17:21	02/29/24 01:00	1
p-Isopropyltoluene	ND		0.81	0.23	ug/Kg		02/28/24 17:21	02/29/24 01:00	1
sec-Butylbenzene	ND		0.81	0.22	ug/Kg		02/28/24 17:21	02/29/24 01:00	1
Styrene	ND		0.81	0.26	ug/Kg		02/28/24 17:21	02/29/24 01:00	1
trans-1,2-Dichloroethene	ND		0.81	0.24	ug/Kg		02/28/24 17:21	02/29/24 01:00	1
trans-1,3-Dichloropropene	ND		1.6	0.23	ug/Kg		02/28/24 17:21	02/29/24 01:00	1
Tert-amyl-methyl ether (TAME)	ND		0.81	0.16	ug/Kg		02/28/24 17:21	02/29/24 01:00	1
tert-Butyl alcohol (TBA)	ND	*1 *+	16	5.7	ug/Kg		02/28/24 17:21	02/29/24 01:00	1
tert-Butylbenzene	ND		0.81	0.21	ug/Kg		02/28/24 17:21	02/29/24 01:00	1
Tetrachloroethene	ND		0.81	0.18	ug/Kg		02/28/24 17:21	02/29/24 01:00	1
Toluene	ND		0.81	0.22	ug/Kg		02/28/24 17:21	02/29/24 01:00	1
Trichloroethene	ND		1.6	0.31	ug/Kg		02/28/24 17:21	02/29/24 01:00	1
Trichlorofluoromethane	ND		8.1	0.22	ug/Kg		02/28/24 17:21	02/29/24 01:00	1
Vinyl acetate	ND		8.1	3.2	ug/Kg		02/28/24 17:21	02/29/24 01:00	1
Vinyl chloride	ND		0.81	0.31	ug/Kg		02/28/24 17:21	02/29/24 01:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*132*		*32 - 179*	*02/28/24 17:21*	*02/29/24 01:00*	*1*
4-Bromofluorobenzene (Surr)	*99*		*80 - 120*	*02/28/24 17:21*	*02/29/24 01:00*	*1*
Dibromofluoromethane (Surr)	*112*		*58 - 147*	*02/28/24 17:21*	*02/29/24 01:00*	*1*
Toluene-d8 (Surr)	*99*		*80 - 120*	*02/28/24 17:21*	*02/29/24 01:00*	*1*

Client Sample ID: CEB4-2'
Date Collected: 02/27/24 10:15
Date Received: 02/27/24 18:20

Lab Sample ID: 570-174146-13
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.81	0.24	ug/Kg		02/28/24 17:21	02/29/24 01:22	1
1,1,1-Trichloroethane	ND		0.81	0.19	ug/Kg		02/28/24 17:21	02/29/24 01:22	1
1,1,2,2-Tetrachloroethane	ND		1.6	0.44	ug/Kg		02/28/24 17:21	02/29/24 01:22	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		8.1	0.38	ug/Kg		02/28/24 17:21	02/29/24 01:22	1
1,1,2-Trichloroethane	ND		0.81	0.38	ug/Kg		02/28/24 17:21	02/29/24 01:22	1
1,1-Dichloroethane	ND		0.81	0.23	ug/Kg		02/28/24 17:21	02/29/24 01:22	1
1,1-Dichloroethene	ND		0.81	0.22	ug/Kg		02/28/24 17:21	02/29/24 01:22	1
1,1-Dichloropropene	ND		1.6	0.32	ug/Kg		02/28/24 17:21	02/29/24 01:22	1
1,2,3-Trichlorobenzene	ND		1.6	0.31	ug/Kg		02/28/24 17:21	02/29/24 01:22	1
1,2,3-Trichloropropane	ND		1.6	0.34	ug/Kg		02/28/24 17:21	02/29/24 01:22	1
1,2,4-Trichlorobenzene	ND		1.6	0.33	ug/Kg		02/28/24 17:21	02/29/24 01:22	1
1,2,4-Trimethylbenzene	ND		1.6	0.49	ug/Kg		02/28/24 17:21	02/29/24 01:22	1
1,2-Dibromo-3-Chloropropane	ND		8.1	2.7	ug/Kg		02/28/24 17:21	02/29/24 01:22	1
1,2-Dibromoethane	ND		0.81	0.17	ug/Kg		02/28/24 17:21	02/29/24 01:22	1
1,2-Dichlorobenzene	ND		0.81	0.20	ug/Kg		02/28/24 17:21	02/29/24 01:22	1
1,2-Dichloroethane	ND		0.81	0.22	ug/Kg		02/28/24 17:21	02/29/24 01:22	1
1,2-Dichloropropane	ND		0.81	0.22	ug/Kg		02/28/24 17:21	02/29/24 01:22	1
1,3,5-Trimethylbenzene	ND		1.6	0.22	ug/Kg		02/28/24 17:21	02/29/24 01:22	1
1,3-Dichlorobenzene	ND		0.81	0.21	ug/Kg		02/28/24 17:21	02/29/24 01:22	1
1,3-Dichloropropane	ND		0.81	0.24	ug/Kg		02/28/24 17:21	02/29/24 01:22	1
1,4-Dichlorobenzene	ND		0.81	0.25	ug/Kg		02/28/24 17:21	02/29/24 01:22	1
2,2-Dichloropropane	ND		4.1	0.22	ug/Kg		02/28/24 17:21	02/29/24 01:22	1
2-Butanone	ND		16	3.7	ug/Kg		02/28/24 17:21	02/29/24 01:22	1

Method: SW846 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Client Sample ID: CEB4-2'
Date Collected: 02/27/24 10:15
Date Received: 02/27/24 18:20

Lab Sample ID: 570-174146-13
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Chlorotoluene	ND		0.81	0.21	ug/Kg		02/28/24 17:21	02/29/24 01:22	1
2-Hexanone	ND		16	2.5	ug/Kg		02/28/24 17:21	02/29/24 01:22	1
4-Chlorotoluene	ND		0.81	0.20	ug/Kg		02/28/24 17:21	02/29/24 01:22	1
4-Methyl-2-pentanone	ND		16	2.4	ug/Kg		02/28/24 17:21	02/29/24 01:22	1
Acetone	**35**		16	8.0	ug/Kg		02/28/24 17:21	02/29/24 01:22	1
Benzene	**0.83**		0.81	0.21	ug/Kg		02/28/24 17:21	02/29/24 01:22	1
Bromobenzene	ND		0.81	0.17	ug/Kg		02/28/24 17:21	02/29/24 01:22	1
Bromochloromethane	ND		1.6	0.36	ug/Kg		02/28/24 17:21	02/29/24 01:22	1
Bromodichloromethane	ND		0.81	0.26	ug/Kg		02/28/24 17:21	02/29/24 01:22	1
Bromoform	ND		4.1	1.1	ug/Kg		02/28/24 17:21	02/29/24 01:22	1
Bromomethane	ND		16	5.4	ug/Kg		02/28/24 17:21	02/29/24 01:22	1
cis-1,2-Dichloroethene	ND		0.81	0.27	ug/Kg		02/28/24 17:21	02/29/24 01:22	1
cis-1,3-Dichloropropene	ND		0.81	0.28	ug/Kg		02/28/24 17:21	02/29/24 01:22	1
Carbon disulfide	ND		8.1	0.33	ug/Kg		02/28/24 17:21	02/29/24 01:22	1
Carbon tetrachloride	ND		0.81	0.24	ug/Kg		02/28/24 17:21	02/29/24 01:22	1
Chlorobenzene	ND		0.81	0.22	ug/Kg		02/28/24 17:21	02/29/24 01:22	1
Chloroethane	ND		1.6	0.61	ug/Kg		02/28/24 17:21	02/29/24 01:22	1
Chloroform	ND		0.81	0.48	ug/Kg		02/28/24 17:21	02/29/24 01:22	1
Chloromethane	ND		16	1.3	ug/Kg		02/28/24 17:21	02/29/24 01:22	1
Dibromochloromethane	ND		1.6	0.22	ug/Kg		02/28/24 17:21	02/29/24 01:22	1
Dibromomethane	ND		0.81	0.25	ug/Kg		02/28/24 17:21	02/29/24 01:22	1
Dichlorodifluoromethane	ND		1.6	0.37	ug/Kg		02/28/24 17:21	02/29/24 01:22	1
Di-isopropyl ether (DIPE)	ND		0.81	0.41	ug/Kg		02/28/24 17:21	02/29/24 01:22	1
Ethanol	ND	*1	200	75	ug/Kg		02/28/24 17:21	02/29/24 01:22	1
Ethylbenzene	ND		0.81	0.17	ug/Kg		02/28/24 17:21	02/29/24 01:22	1
Ethyl-t-butyl ether (ETBE)	ND		0.81	0.19	ug/Kg		02/28/24 17:21	02/29/24 01:22	1
Isopropylbenzene	ND		0.81	0.22	ug/Kg		02/28/24 17:21	02/29/24 01:22	1
Methylene Chloride	ND		8.1	2.5	ug/Kg		02/28/24 17:21	02/29/24 01:22	1
Methyl-t-Butyl Ether (MTBE)	ND		1.6	0.15	ug/Kg		02/28/24 17:21	02/29/24 01:22	1
Naphthalene	ND		8.1	3.2	ug/Kg		02/28/24 17:21	02/29/24 01:22	1
n-Butylbenzene	ND		0.81	0.17	ug/Kg		02/28/24 17:21	02/29/24 01:22	1
N-Propylbenzene	ND		1.6	0.21	ug/Kg		02/28/24 17:21	02/29/24 01:22	1
o-Xylene	ND		0.81	0.21	ug/Kg		02/28/24 17:21	02/29/24 01:22	1
m,p-Xylene	ND		1.6	0.39	ug/Kg		02/28/24 17:21	02/29/24 01:22	1
p-Isopropyltoluene	ND		0.81	0.23	ug/Kg		02/28/24 17:21	02/29/24 01:22	1
sec-Butylbenzene	ND		0.81	0.22	ug/Kg		02/28/24 17:21	02/29/24 01:22	1
Styrene	ND		0.81	0.26	ug/Kg		02/28/24 17:21	02/29/24 01:22	1
trans-1,2-Dichloroethene	ND		0.81	0.24	ug/Kg		02/28/24 17:21	02/29/24 01:22	1
trans-1,3-Dichloropropene	ND		1.6	0.23	ug/Kg		02/28/24 17:21	02/29/24 01:22	1
Tert-amyl-methyl ether (TAME)	ND		0.81	0.16	ug/Kg		02/28/24 17:21	02/29/24 01:22	1
tert-Butyl alcohol (TBA)	**6.4**	**J *1 *+**	16	5.7	ug/Kg		02/28/24 17:21	02/29/24 01:22	1
tert-Butylbenzene	ND		0.81	0.21	ug/Kg		02/28/24 17:21	02/29/24 01:22	1
Tetrachloroethene	**0.74**	**J**	0.81	0.18	ug/Kg		02/28/24 17:21	02/29/24 01:22	1
Toluene	**0.38**	**J**	0.81	0.22	ug/Kg		02/28/24 17:21	02/29/24 01:22	1
Trichloroethene	ND		1.6	0.31	ug/Kg		02/28/24 17:21	02/29/24 01:22	1
Trichlorofluoromethane	ND		8.1	0.22	ug/Kg		02/28/24 17:21	02/29/24 01:22	1
Vinyl acetate	ND		8.1	3.2	ug/Kg		02/28/24 17:21	02/29/24 01:22	1
Vinyl chloride	ND		0.81	0.31	ug/Kg		02/28/24 17:21	02/29/24 01:22	1

Method: SW846 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	131		32 - 179	02/26/24 17:21	02/29/24 01:22	1
4-Bromofluorobenzene (Surr)	100		80 - 120	02/26/24 17:21	02/29/24 01:22	1
Dibromofluoromethane (Surr)	111		58 - 147	02/26/24 17:21	02/29/24 01:22	1
Toluene-d8 (Surr)	99		80 - 120	02/26/24 17:21	02/29/24 01:22	1

Client Sample ID: CEB4-10'
Date Collected: 02/27/24 10:20
Date Received: 02/27/24 18:20

Lab Sample ID: 570-174146-15
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.83	0.24	ug/Kg		02/28/24 17:21	02/29/24 01:44	1
1,1,1-Trichloroethane	ND		0.83	0.19	ug/Kg		02/28/24 17:21	02/29/24 01:44	1
1,1,2,2-Tetrachloroethane	ND		1.7	0.45	ug/Kg		02/28/24 17:21	02/29/24 01:44	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		8.3	0.38	ug/Kg		02/28/24 17:21	02/29/24 01:44	1
1,1,2-Trichloroethane	ND		0.83	0.39	ug/Kg		02/28/24 17:21	02/29/24 01:44	1
1,1-Dichloroethane	ND		0.83	0.23	ug/Kg		02/28/24 17:21	02/29/24 01:44	1
1,1-Dichloroethene	ND		0.83	0.22	ug/Kg		02/28/24 17:21	02/29/24 01:44	1
1,1-Dichloropropene	ND		1.7	0.32	ug/Kg		02/28/24 17:21	02/29/24 01:44	1
1,2,3-Trichlorobenzene	ND		1.7	0.31	ug/Kg		02/28/24 17:21	02/29/24 01:44	1
1,2,3-Trichloropropane	ND		1.7	0.35	ug/Kg		02/28/24 17:21	02/29/24 01:44	1
1,2,4-Trichlorobenzene	ND		1.7	0.34	ug/Kg		02/28/24 17:21	02/29/24 01:44	1
1,2,4-Trimethylbenzene	ND		1.7	0.50	ug/Kg		02/28/24 17:21	02/29/24 01:44	1
1,2-Dibromo-3-Chloropropane	ND		8.3	2.8	ug/Kg		02/28/24 17:21	02/29/24 01:44	1
1,2-Dibromoethane	ND		0.83	0.17	ug/Kg		02/28/24 17:21	02/29/24 01:44	1
1,2-Dichlorobenzene	ND		0.83	0.21	ug/Kg		02/28/24 17:21	02/29/24 01:44	1
1,2-Dichloroethane	ND		0.83	0.23	ug/Kg		02/28/24 17:21	02/29/24 01:44	1
1,2-Dichloropropane	ND		0.83	0.23	ug/Kg		02/28/24 17:21	02/29/24 01:44	1
1,3,5-Trimethylbenzene	ND		1.7	0.22	ug/Kg		02/28/24 17:21	02/29/24 01:44	1
1,3-Dichlorobenzene	ND		0.83	0.21	ug/Kg		02/28/24 17:21	02/29/24 01:44	1
1,3-Dichloropropane	ND		0.83	0.25	ug/Kg		02/28/24 17:21	02/29/24 01:44	1
1,4-Dichlorobenzene	ND		0.83	0.25	ug/Kg		02/28/24 17:21	02/29/24 01:44	1
2,2-Dichloropropane	ND		4.2	0.23	ug/Kg		02/28/24 17:21	02/29/24 01:44	1
2-Butanone	ND		17	3.7	ug/Kg		02/28/24 17:21	02/29/24 01:44	1
2-Chlorotoluene	ND		0.83	0.21	ug/Kg		02/28/24 17:21	02/29/24 01:44	1
2-Hexanone	ND		17	2.6	ug/Kg		02/28/24 17:21	02/29/24 01:44	1
4-Chlorotoluene	ND		0.83	0.20	ug/Kg		02/28/24 17:21	02/29/24 01:44	1
4-Methyl-2-pentanone	ND		17	2.4	ug/Kg		02/28/24 17:21	02/29/24 01:44	1
Acetone	**17**		17	8.2	ug/Kg		02/28/24 17:21	02/29/24 01:44	1
Benzene	**0.61**	**J**	0.83	0.21	ug/Kg		02/28/24 17:21	02/29/24 01:44	1
Bromobenzene	ND		0.83	0.17	ug/Kg		02/28/24 17:21	02/29/24 01:44	1
Bromochloromethane	ND		1.7	0.37	ug/Kg		02/28/24 17:21	02/29/24 01:44	1
Bromodichloromethane	ND		0.83	0.27	ug/Kg		02/28/24 17:21	02/29/24 01:44	1
Bromoform	ND		4.2	1.1	ug/Kg		02/28/24 17:21	02/29/24 01:44	1
Bromomethane	ND		17	5.5	ug/Kg		02/28/24 17:21	02/29/24 01:44	1
cis-1,2-Dichloroethene	ND		0.83	0.28	ug/Kg		02/28/24 17:21	02/29/24 01:44	1
cis-1,3-Dichloropropene	ND		0.83	0.29	ug/Kg		02/28/24 17:21	02/29/24 01:44	1
Carbon disulfide	ND		8.3	0.33	ug/Kg		02/28/24 17:21	02/29/24 01:44	1
Carbon tetrachloride	ND		0.83	0.25	ug/Kg		02/28/24 17:21	02/29/24 01:44	1
Chlorobenzene	ND		0.83	0.22	ug/Kg		02/28/24 17:21	02/29/24 01:44	1
Chloroethane	ND		1.7	0.62	ug/Kg		02/28/24 17:21	02/29/24 01:44	1
Chloroform	ND		0.83	0.49	ug/Kg		02/28/24 17:21	02/29/24 01:44	1
Chloromethane	ND		17	1.3	ug/Kg		02/28/24 17:21	02/29/24 01:44	1
Dibromochloromethane	ND		1.7	0.23	ug/Kg		02/28/24 17:21	02/29/24 01:44	1

Method: SW846 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Client Sample ID: CEB4-10'
Date Collected: 02/27/24 10:20
Date Received: 02/27/24 18:20

Lab Sample ID: 570-174146-15
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dibromomethane	ND		0.83	0.25	ug/Kg		02/28/24 17:21	02/29/24 01:44	1
Dichlorodifluoromethane	ND		1.7	0.38	ug/Kg		02/28/24 17:21	02/29/24 01:44	1
Di-isopropyl ether (DIPE)	ND		0.83	0.42	ug/Kg		02/28/24 17:21	02/29/24 01:44	1
Ethanol	ND	*1	210	77	ug/Kg		02/28/24 17:21	02/29/24 01:44	1
Ethylbenzene	ND		0.83	0.17	ug/Kg		02/28/24 17:21	02/29/24 01:44	1
Ethyl-t-butyl ether (ETBE)	ND		0.83	0.20	ug/Kg		02/28/24 17:21	02/29/24 01:44	1
Isopropylbenzene	ND		0.83	0.23	ug/Kg		02/28/24 17:21	02/29/24 01:44	1
Methylene Chloride	ND		8.3	2.6	ug/Kg		02/28/24 17:21	02/29/24 01:44	1
Methyl-t-Butyl Ether (MTBE)	ND		1.7	0.16	ug/Kg		02/28/24 17:21	02/29/24 01:44	1
Naphthalene	ND		8.3	3.3	ug/Kg		02/28/24 17:21	02/29/24 01:44	1
n-Butylbenzene	ND		0.83	0.17	ug/Kg		02/28/24 17:21	02/29/24 01:44	1
N-Propylbenzene	ND		1.7	0.22	ug/Kg		02/28/24 17:21	02/29/24 01:44	1
o-Xylene	ND		0.83	0.21	ug/Kg		02/28/24 17:21	02/29/24 01:44	1
m,p-Xylene	ND		1.7	0.39	ug/Kg		02/28/24 17:21	02/29/24 01:44	1
p-Isopropyltoluene	ND		0.83	0.23	ug/Kg		02/28/24 17:21	02/29/24 01:44	1
sec-Butylbenzene	ND		0.83	0.23	ug/Kg		02/28/24 17:21	02/29/24 01:44	1
Styrene	ND		0.83	0.26	ug/Kg		02/28/24 17:21	02/29/24 01:44	1
trans-1,2-Dichloroethene	ND		0.83	0.25	ug/Kg		02/28/24 17:21	02/29/24 01:44	1
trans-1,3-Dichloropropene	ND		1.7	0.23	ug/Kg		02/28/24 17:21	02/29/24 01:44	1
Tert-amyl-methyl ether (TAME)	ND		0.83	0.16	ug/Kg		02/28/24 17:21	02/29/24 01:44	1
tert-Butyl alcohol (TBA)	**6.7**	**J *1 *+**	17	5.8	ug/Kg		02/28/24 17:21	02/29/24 01:44	1
tert-Butylbenzene	ND		0.83	0.21	ug/Kg		02/28/24 17:21	02/29/24 01:44	1
Tetrachloroethene	ND		0.83	0.19	ug/Kg		02/28/24 17:21	02/29/24 01:44	1
Toluene	**0.35**	**J**	0.83	0.22	ug/Kg		02/28/24 17:21	02/29/24 01:44	1
Trichloroethene	ND		1.7	0.32	ug/Kg		02/28/24 17:21	02/29/24 01:44	1
Trichlorofluoromethane	ND		8.3	0.23	ug/Kg		02/28/24 17:21	02/29/24 01:44	1
Vinyl acetate	ND		8.3	3.3	ug/Kg		02/28/24 17:21	02/29/24 01:44	1
Vinyl chloride	ND		0.83	0.31	ug/Kg		02/28/24 17:21	02/29/24 01:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*133*		*32 - 179*	*02/28/24 17:21*	*02/29/24 01:44*	*1*
4-Bromofluorobenzene (Surr)	*100*		*80 - 120*	*02/28/24 17:21*	*02/29/24 01:44*	*1*
Dibromofluoromethane (Surr)	*113*		*58 - 147*	*02/28/24 17:21*	*02/29/24 01:44*	*1*
Toluene-d8 (Surr)	*99*		*80 - 120*	*02/28/24 17:21*	*02/29/24 01:44*	*1*

Client Sample ID: CEB4-15'
Date Collected: 02/27/24 10:24
Date Received: 02/27/24 18:20

Lab Sample ID: 570-174146-16
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.81	0.24	ug/Kg		02/28/24 17:21	02/29/24 02:06	1
1,1,1-Trichloroethane	ND		0.81	0.19	ug/Kg		02/28/24 17:21	02/29/24 02:06	1
1,1,2,2-Tetrachloroethane	ND		1.6	0.44	ug/Kg		02/28/24 17:21	02/29/24 02:06	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		8.1	0.37	ug/Kg		02/28/24 17:21	02/29/24 02:06	1
1,1,2-Trichloroethane	ND		0.81	0.38	ug/Kg		02/28/24 17:21	02/29/24 02:06	1
1,1-Dichloroethane	ND		0.81	0.23	ug/Kg		02/28/24 17:21	02/29/24 02:06	1
1,1-Dichloroethene	ND		0.81	0.22	ug/Kg		02/28/24 17:21	02/29/24 02:06	1
1,1-Dichloropropene	ND		1.6	0.31	ug/Kg		02/28/24 17:21	02/29/24 02:06	1
1,2,3-Trichlorobenzene	ND		1.6	0.30	ug/Kg		02/28/24 17:21	02/29/24 02:06	1
1,2,3-Trichloropropane	ND		1.6	0.34	ug/Kg		02/28/24 17:21	02/29/24 02:06	1
1,2,4-Trichlorobenzene	ND		1.6	0.33	ug/Kg		02/28/24 17:21	02/29/24 02:06	1

Method: SW846 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Client Sample ID: CEB4-15'
Date Collected: 02/27/24 10:24
Date Received: 02/27/24 18:20

Lab Sample ID: 570-174146-16
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trimethylbenzene	ND		1.6	0.49	ug/Kg		02/28/24 17:21	02/29/24 02:06	1
1,2-Dibromo-3-Chloropropane	ND		8.1	2.7	ug/Kg		02/28/24 17:21	02/29/24 02:06	1
1,2-Dibromoethane	ND		0.81	0.17	ug/Kg		02/28/24 17:21	02/29/24 02:06	1
1,2-Dichlorobenzene	ND		0.81	0.20	ug/Kg		02/28/24 17:21	02/29/24 02:06	1
1,2-Dichloroethane	ND		0.81	0.22	ug/Kg		02/28/24 17:21	02/29/24 02:06	1
1,2-Dichloropropane	ND		0.81	0.22	ug/Kg		02/28/24 17:21	02/29/24 02:06	1
1,3,5-Trimethylbenzene	ND		1.6	0.22	ug/Kg		02/28/24 17:21	02/29/24 02:06	1
1,3-Dichlorobenzene	ND		0.81	0.20	ug/Kg		02/28/24 17:21	02/29/24 02:06	1
1,3-Dichloropropane	ND		0.81	0.24	ug/Kg		02/28/24 17:21	02/29/24 02:06	1
1,4-Dichlorobenzene	ND		0.81	0.25	ug/Kg		02/28/24 17:21	02/29/24 02:06	1
2,2-Dichloropropane	ND		4.1	0.22	ug/Kg		02/28/24 17:21	02/29/24 02:06	1
2-Butanone	ND		16	3.7	ug/Kg		02/28/24 17:21	02/29/24 02:06	1
2-Chlorotoluene	ND		0.81	0.20	ug/Kg		02/28/24 17:21	02/29/24 02:06	1
2-Hexanone	ND		16	2.5	ug/Kg		02/28/24 17:21	02/29/24 02:06	1
4-Chlorotoluene	ND		0.81	0.20	ug/Kg		02/28/24 17:21	02/29/24 02:06	1
4-Methyl-2-pentanone	ND		16	2.4	ug/Kg		02/28/24 17:21	02/29/24 02:06	1
Acetone	**16**		16	8.0	ug/Kg		02/28/24 17:21	02/29/24 02:06	1
Benzene	**0.50**	**J**	0.81	0.21	ug/Kg		02/28/24 17:21	02/29/24 02:06	1
Bromobenzene	ND		0.81	0.17	ug/Kg		02/28/24 17:21	02/29/24 02:06	1
Bromochloromethane	ND		1.6	0.36	ug/Kg		02/28/24 17:21	02/29/24 02:06	1
Bromodichloromethane	ND		0.81	0.26	ug/Kg		02/28/24 17:21	02/29/24 02:06	1
Bromoform	ND		4.1	1.1	ug/Kg		02/28/24 17:21	02/29/24 02:06	1
Bromomethane	ND		16	5.3	ug/Kg		02/28/24 17:21	02/29/24 02:06	1
cis-1,2-Dichloroethene	ND		0.81	0.27	ug/Kg		02/28/24 17:21	02/29/24 02:06	1
cis-1,3-Dichloropropene	ND		0.81	0.28	ug/Kg		02/28/24 17:21	02/29/24 02:06	1
Carbon disulfide	ND		8.1	0.32	ug/Kg		02/28/24 17:21	02/29/24 02:06	1
Carbon tetrachloride	ND		0.81	0.24	ug/Kg		02/28/24 17:21	02/29/24 02:06	1
Chlorobenzene	ND		0.81	0.22	ug/Kg		02/28/24 17:21	02/29/24 02:06	1
Chloroethane	ND		1.6	0.60	ug/Kg		02/28/24 17:21	02/29/24 02:06	1
Chloroform	ND		0.81	0.48	ug/Kg		02/28/24 17:21	02/29/24 02:06	1
Chloromethane	ND		16	1.2	ug/Kg		02/28/24 17:21	02/29/24 02:06	1
Dibromochloromethane	ND		1.6	0.22	ug/Kg		02/28/24 17:21	02/29/24 02:06	1
Dibromomethane	ND		0.81	0.25	ug/Kg		02/28/24 17:21	02/29/24 02:06	1
Dichlorodifluoromethane	ND		1.6	0.37	ug/Kg		02/28/24 17:21	02/29/24 02:06	1
Di-isopropyl ether (DIPE)	ND		0.81	0.41	ug/Kg		02/28/24 17:21	02/29/24 02:06	1
Ethanol	ND	*1	200	75	ug/Kg		02/28/24 17:21	02/29/24 02:06	1
Ethylbenzene	ND		0.81	0.17	ug/Kg		02/28/24 17:21	02/29/24 02:06	1
Ethyl-t-butyl ether (ETBE)	ND		0.81	0.19	ug/Kg		02/28/24 17:21	02/29/24 02:06	1
Isopropylbenzene	ND		0.81	0.22	ug/Kg		02/28/24 17:21	02/29/24 02:06	1
Methylene Chloride	ND		8.1	2.5	ug/Kg		02/28/24 17:21	02/29/24 02:06	1
Methyl-t-Butyl Ether (MTBE)	ND		1.6	0.15	ug/Kg		02/28/24 17:21	02/29/24 02:06	1
Naphthalene	ND		8.1	3.2	ug/Kg		02/28/24 17:21	02/29/24 02:06	1
n-Butylbenzene	ND		0.81	0.17	ug/Kg		02/28/24 17:21	02/29/24 02:06	1
N-Propylbenzene	ND		1.6	0.21	ug/Kg		02/28/24 17:21	02/29/24 02:06	1
o-Xylene	ND		0.81	0.21	ug/Kg		02/28/24 17:21	02/29/24 02:06	1
m,p-Xylene	ND		1.6	0.38	ug/Kg		02/28/24 17:21	02/29/24 02:06	1
p-Isopropyltoluene	ND		0.81	0.23	ug/Kg		02/28/24 17:21	02/29/24 02:06	1
sec-Butylbenzene	ND		0.81	0.22	ug/Kg		02/28/24 17:21	02/29/24 02:06	1
Styrene	ND		0.81	0.26	ug/Kg		02/28/24 17:21	02/29/24 02:06	1

Method: SW846 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Client Sample ID: CEB4-15'
Date Collected: 02/27/24 10:24
Date Received: 02/27/24 18:20

Lab Sample ID: 570-174146-16
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,2-Dichloroethene	ND		0.81	0.24	ug/Kg		02/28/24 17:21	02/29/24 02:06	1
trans-1,3-Dichloropropene	ND		1.6	0.23	ug/Kg		02/28/24 17:21	02/29/24 02:06	1
Tert-amyl-methyl ether (TAME)	ND		0.81	0.16	ug/Kg		02/28/24 17:21	02/29/24 02:06	1
tert-Butyl alcohol (TBA)	ND	*1 *+	16	5.7	ug/Kg		02/28/24 17:21	02/29/24 02:06	1
tert-Butylbenzene	ND		0.81	0.21	ug/Kg		02/28/24 17:21	02/29/24 02:06	1
Tetrachloroethene	ND		0.81	0.18	ug/Kg		02/28/24 17:21	02/29/24 02:06	1
Toluene	**0.42**	**J**	0.81	0.22	ug/Kg		02/28/24 17:21	02/29/24 02:06	1
Trichloroethene	ND		1.6	0.31	ug/Kg		02/28/24 17:21	02/29/24 02:06	1
Trichlorofluoromethane	ND		8.1	0.22	ug/Kg		02/28/24 17:21	02/29/24 02:06	1
Vinyl acetate	ND		8.1	3.2	ug/Kg		02/28/24 17:21	02/29/24 02:06	1
Vinyl chloride	ND		0.81	0.31	ug/Kg		02/28/24 17:21	02/29/24 02:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*133*		*32 - 179*	*02/28/24 17:21*	*02/29/24 02:06*	*1*
4-Bromofluorobenzene (Surr)	*100*		*80 - 120*	*02/28/24 17:21*	*02/29/24 02:06*	*1*
Dibromofluoromethane (Surr)	*112*		*58 - 147*	*02/28/24 17:21*	*02/29/24 02:06*	*1*
Toluene-d8 (Surr)	*99*		*80 - 120*	*02/28/24 17:21*	*02/29/24 02:06*	*1*

Client Sample ID: CEB5-2'
Date Collected: 02/27/24 12:01
Date Received: 02/27/24 18:20

Lab Sample ID: 570-174146-17
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.85	0.25	ug/Kg		02/28/24 17:21	02/29/24 02:27	1
1,1,1-Trichloroethane	ND		0.85	0.20	ug/Kg		02/28/24 17:21	02/29/24 02:27	1
1,1,2,2-Tetrachloroethane	ND		1.7	0.46	ug/Kg		02/28/24 17:21	02/29/24 02:27	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		8.5	0.39	ug/Kg		02/28/24 17:21	02/29/24 02:27	1
1,1,2-Trichloroethane	ND		0.85	0.40	ug/Kg		02/28/24 17:21	02/29/24 02:27	1
1,1-Dichloroethane	ND		0.85	0.24	ug/Kg		02/28/24 17:21	02/29/24 02:27	1
1,1-Dichloroethene	ND		0.85	0.23	ug/Kg		02/28/24 17:21	02/29/24 02:27	1
1,1-Dichloropropene	ND		1.7	0.33	ug/Kg		02/28/24 17:21	02/29/24 02:27	1
1,2,3-Trichlorobenzene	ND		1.7	0.32	ug/Kg		02/28/24 17:21	02/29/24 02:27	1
1,2,3-Trichloropropane	ND		1.7	0.36	ug/Kg		02/28/24 17:21	02/29/24 02:27	1
1,2,4-Trichlorobenzene	ND		1.7	0.35	ug/Kg		02/28/24 17:21	02/29/24 02:27	1
1,2,4-Trimethylbenzene	ND		1.7	0.51	ug/Kg		02/28/24 17:21	02/29/24 02:27	1
1,2-Dibromo-3-Chloropropane	ND		8.5	2.8	ug/Kg		02/28/24 17:21	02/29/24 02:27	1
1,2-Dibromoethane	ND		0.85	0.18	ug/Kg		02/28/24 17:21	02/29/24 02:27	1
1,2-Dichlorobenzene	ND		0.85	0.21	ug/Kg		02/28/24 17:21	02/29/24 02:27	1
1,2-Dichloroethane	ND		0.85	0.24	ug/Kg		02/28/24 17:21	02/29/24 02:27	1
1,2-Dichloropropane	ND		0.85	0.23	ug/Kg		02/28/24 17:21	02/29/24 02:27	1
1,3,5-Trimethylbenzene	ND		1.7	0.23	ug/Kg		02/28/24 17:21	02/29/24 02:27	1
1,3-Dichlorobenzene	ND		0.85	0.21	ug/Kg		02/28/24 17:21	02/29/24 02:27	1
1,3-Dichloropropane	ND		0.85	0.25	ug/Kg		02/28/24 17:21	02/29/24 02:27	1
1,4-Dichlorobenzene	ND		0.85	0.26	ug/Kg		02/28/24 17:21	02/29/24 02:27	1
2,2-Dichloropropane	ND		4.3	0.23	ug/Kg		02/28/24 17:21	02/29/24 02:27	1
2-Butanone	ND		17	3.8	ug/Kg		02/28/24 17:21	02/29/24 02:27	1
2-Chlorotoluene	ND		0.85	0.21	ug/Kg		02/28/24 17:21	02/29/24 02:27	1
2-Hexanone	ND		17	2.6	ug/Kg		02/28/24 17:21	02/29/24 02:27	1
4-Chlorotoluene	ND		0.85	0.21	ug/Kg		02/28/24 17:21	02/29/24 02:27	1
4-Methyl-2-pentanone	ND		17	2.5	ug/Kg		02/28/24 17:21	02/29/24 02:27	1
Acetone	**28**		17	8.4	ug/Kg		02/28/24 17:21	02/29/24 02:27	1

Method: SW846 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Client Sample ID: CEB5-2'
Date Collected: 02/27/24 12:01
Date Received: 02/27/24 18:20

Lab Sample ID: 570-174146-17
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**0.82**	**J**	0.85	0.22	ug/Kg		02/28/24 17:21	02/29/24 02:27	1
Bromobenzene	ND		0.85	0.18	ug/Kg		02/28/24 17:21	02/29/24 02:27	1
Bromochloromethane	ND		1.7	0.38	ug/Kg		02/28/24 17:21	02/29/24 02:27	1
Bromodichloromethane	ND		0.85	0.28	ug/Kg		02/28/24 17:21	02/29/24 02:27	1
Bromoform	ND		4.3	1.1	ug/Kg		02/28/24 17:21	02/29/24 02:27	1
Bromomethane	ND		17	5.6	ug/Kg		02/28/24 17:21	02/29/24 02:27	1
cis-1,2-Dichloroethene	ND		0.85	0.29	ug/Kg		02/28/24 17:21	02/29/24 02:27	1
cis-1,3-Dichloropropene	ND		0.85	0.30	ug/Kg		02/28/24 17:21	02/29/24 02:27	1
Carbon disulfide	ND		8.5	0.34	ug/Kg		02/28/24 17:21	02/29/24 02:27	1
Carbon tetrachloride	ND		0.85	0.25	ug/Kg		02/28/24 17:21	02/29/24 02:27	1
Chlorobenzene	ND		0.85	0.23	ug/Kg		02/28/24 17:21	02/29/24 02:27	1
Chloroethane	ND		1.7	0.63	ug/Kg		02/28/24 17:21	02/29/24 02:27	1
Chloroform	ND		0.85	0.50	ug/Kg		02/28/24 17:21	02/29/24 02:27	1
Chloromethane	ND		17	1.3	ug/Kg		02/28/24 17:21	02/29/24 02:27	1
Dibromochloromethane	ND		1.7	0.23	ug/Kg		02/28/24 17:21	02/29/24 02:27	1
Dibromomethane	ND		0.85	0.26	ug/Kg		02/28/24 17:21	02/29/24 02:27	1
Dichlorodifluoromethane	ND		1.7	0.39	ug/Kg		02/28/24 17:21	02/29/24 02:27	1
Di-isopropyl ether (DIPE)	ND		0.85	0.43	ug/Kg		02/28/24 17:21	02/29/24 02:27	1
Ethanol	ND	*1	210	78	ug/Kg		02/28/24 17:21	02/29/24 02:27	1
Ethylbenzene	ND		0.85	0.18	ug/Kg		02/28/24 17:21	02/29/24 02:27	1
Ethyl-t-butyl ether (ETBE)	ND		0.85	0.20	ug/Kg		02/28/24 17:21	02/29/24 02:27	1
Isopropylbenzene	ND		0.85	0.24	ug/Kg		02/28/24 17:21	02/29/24 02:27	1
Methylene Chloride	ND		8.5	2.7	ug/Kg		02/28/24 17:21	02/29/24 02:27	1
Methyl-t-Butyl Ether (MTBE)	ND		1.7	0.16	ug/Kg		02/28/24 17:21	02/29/24 02:27	1
Naphthalene	ND		8.5	3.3	ug/Kg		02/28/24 17:21	02/29/24 02:27	1
n-Butylbenzene	ND		0.85	0.18	ug/Kg		02/28/24 17:21	02/29/24 02:27	1
N-Propylbenzene	ND		1.7	0.22	ug/Kg		02/28/24 17:21	02/29/24 02:27	1
o-Xylene	ND		0.85	0.22	ug/Kg		02/28/24 17:21	02/29/24 02:27	1
m,p-Xylene	ND		1.7	0.40	ug/Kg		02/28/24 17:21	02/29/24 02:27	1
p-Isopropyltoluene	ND		0.85	0.24	ug/Kg		02/28/24 17:21	02/29/24 02:27	1
sec-Butylbenzene	ND		0.85	0.23	ug/Kg		02/28/24 17:21	02/29/24 02:27	1
Styrene	ND		0.85	0.27	ug/Kg		02/28/24 17:21	02/29/24 02:27	1
trans-1,2-Dichloroethene	ND		0.85	0.26	ug/Kg		02/28/24 17:21	02/29/24 02:27	1
trans-1,3-Dichloropropene	ND		1.7	0.24	ug/Kg		02/28/24 17:21	02/29/24 02:27	1
Tert-amyl-methyl ether (TAME)	ND		0.85	0.17	ug/Kg		02/28/24 17:21	02/29/24 02:27	1
tert-Butyl alcohol (TBA)	ND	*1 *+	17	6.0	ug/Kg		02/28/24 17:21	02/29/24 02:27	1
tert-Butylbenzene	ND		0.85	0.22	ug/Kg		02/28/24 17:21	02/29/24 02:27	1
Tetrachloroethene	**0.60**	**J**	0.85	0.19	ug/Kg		02/28/24 17:21	02/29/24 02:27	1
Toluene	**0.43**	**J**	0.85	0.23	ug/Kg		02/28/24 17:21	02/29/24 02:27	1
Trichloroethene	ND		1.7	0.33	ug/Kg		02/28/24 17:21	02/29/24 02:27	1
Trichlorofluoromethane	ND		8.5	0.23	ug/Kg		02/28/24 17:21	02/29/24 02:27	1
Vinyl acetate	ND		8.5	3.3	ug/Kg		02/28/24 17:21	02/29/24 02:27	1
Vinyl chloride	ND		0.85	0.32	ug/Kg		02/28/24 17:21	02/29/24 02:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*138*		*32 - 179*	*02/28/24 17:21*	*02/29/24 02:27*	*1*
4-Bromofluorobenzene (Surr)	*100*		*80 - 120*	*02/28/24 17:21*	*02/29/24 02:27*	*1*
Dibromofluoromethane (Surr)	*117*		*58 - 147*	*02/28/24 17:21*	*02/29/24 02:27*	*1*
Toluene-d8 (Surr)	*99*		*80 - 120*	*02/28/24 17:21*	*02/29/24 02:27*	*1*

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Client Sample ID: CEB5-5'
Date Collected: 02/27/24 12:04
Date Received: 02/27/24 18:20

Lab Sample ID: 570-174146-18
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.1	0.31	ug/Kg		02/28/24 17:21	02/29/24 02:49	1
1,1,1-Trichloroethane	ND		1.1	0.25	ug/Kg		02/28/24 17:21	02/29/24 02:49	1
1,1,2,2-Tetrachloroethane	ND		2.1	0.58	ug/Kg		02/28/24 17:21	02/29/24 02:49	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		11	0.49	ug/Kg		02/28/24 17:21	02/29/24 02:49	1
1,1,2-Trichloroethane	ND		1.1	0.49	ug/Kg		02/28/24 17:21	02/29/24 02:49	1
1,1-Dichloroethane	ND		1.1	0.30	ug/Kg		02/28/24 17:21	02/29/24 02:49	1
1,1-Dichloroethene	ND		1.1	0.28	ug/Kg		02/28/24 17:21	02/29/24 02:49	1
1,1-Dichloropropene	ND		2.1	0.41	ug/Kg		02/28/24 17:21	02/29/24 02:49	1
1,2,3-Trichlorobenzene	ND		2.1	0.40	ug/Kg		02/28/24 17:21	02/29/24 02:49	1
1,2,3-Trichloropropane	ND		2.1	0.45	ug/Kg		02/28/24 17:21	02/29/24 02:49	1
1,2,4-Trichlorobenzene	ND		2.1	0.44	ug/Kg		02/28/24 17:21	02/29/24 02:49	1
1,2,4-Trimethylbenzene	ND		2.1	0.64	ug/Kg		02/28/24 17:21	02/29/24 02:49	1
1,2-Dibromo-3-Chloropropane	ND		11	3.5	ug/Kg		02/28/24 17:21	02/29/24 02:49	1
1,2-Dibromoethane	ND		1.1	0.22	ug/Kg		02/28/24 17:21	02/29/24 02:49	1
1,2-Dichlorobenzene	ND		1.1	0.27	ug/Kg		02/28/24 17:21	02/29/24 02:49	1
1,2-Dichloroethane	ND		1.1	0.29	ug/Kg		02/28/24 17:21	02/29/24 02:49	1
1,2-Dichloropropane	ND		1.1	0.29	ug/Kg		02/28/24 17:21	02/29/24 02:49	1
1,3,5-Trimethylbenzene	ND		2.1	0.28	ug/Kg		02/28/24 17:21	02/29/24 02:49	1
1,3-Dichlorobenzene	ND		1.1	0.27	ug/Kg		02/28/24 17:21	02/29/24 02:49	1
1,3-Dichloropropane	ND		1.1	0.31	ug/Kg		02/28/24 17:21	02/29/24 02:49	1
1,4-Dichlorobenzene	ND		1.1	0.33	ug/Kg		02/28/24 17:21	02/29/24 02:49	1
2,2-Dichloropropane	ND		5.3	0.29	ug/Kg		02/28/24 17:21	02/29/24 02:49	1
2-Butanone	**14**	**J**	21	4.8	ug/Kg		02/28/24 17:21	02/29/24 02:49	1
2-Chlorotoluene	ND		1.1	0.27	ug/Kg		02/28/24 17:21	02/29/24 02:49	1
2-Hexanone	ND		21	3.3	ug/Kg		02/28/24 17:21	02/29/24 02:49	1
4-Chlorotoluene	ND		1.1	0.26	ug/Kg		02/28/24 17:21	02/29/24 02:49	1
4-Methyl-2-pentanone	ND		21	3.1	ug/Kg		02/28/24 17:21	02/29/24 02:49	1
Acetone	**78**		21	10	ug/Kg		02/28/24 17:21	02/29/24 02:49	1
Benzene	**0.57**	**J**	1.1	0.27	ug/Kg		02/28/24 17:21	02/29/24 02:49	1
Bromobenzene	ND		1.1	0.22	ug/Kg		02/28/24 17:21	02/29/24 02:49	1
Bromochloromethane	ND		2.1	0.47	ug/Kg		02/28/24 17:21	02/29/24 02:49	1
Bromodichloromethane	ND		1.1	0.35	ug/Kg		02/28/24 17:21	02/29/24 02:49	1
Bromoform	ND		5.3	1.4	ug/Kg		02/28/24 17:21	02/29/24 02:49	1
Bromomethane	ND		21	7.0	ug/Kg		02/28/24 17:21	02/29/24 02:49	1
cis-1,2-Dichloroethene	ND		1.1	0.36	ug/Kg		02/28/24 17:21	02/29/24 02:49	1
cis-1,3-Dichloropropene	ND		1.1	0.37	ug/Kg		02/28/24 17:21	02/29/24 02:49	1
Carbon disulfide	**1.2**	**J**	11	0.43	ug/Kg		02/28/24 17:21	02/29/24 02:49	1
Carbon tetrachloride	ND		1.1	0.32	ug/Kg		02/28/24 17:21	02/29/24 02:49	1
Chlorobenzene	ND		1.1	0.29	ug/Kg		02/28/24 17:21	02/29/24 02:49	1
Chloroethane	ND		2.1	0.79	ug/Kg		02/28/24 17:21	02/29/24 02:49	1
Chloroform	ND		1.1	0.63	ug/Kg		02/28/24 17:21	02/29/24 02:49	1
Chloromethane	ND		21	1.6	ug/Kg		02/28/24 17:21	02/29/24 02:49	1
Dibromochloromethane	ND		2.1	0.29	ug/Kg		02/28/24 17:21	02/29/24 02:49	1
Dibromomethane	ND		1.1	0.32	ug/Kg		02/28/24 17:21	02/29/24 02:49	1
Dichlorodifluoromethane	ND		2.1	0.48	ug/Kg		02/28/24 17:21	02/29/24 02:49	1
Di-isopropyl ether (DIPE)	ND		1.1	0.53	ug/Kg		02/28/24 17:21	02/29/24 02:49	1
Ethanol	ND	*1	270	98	ug/Kg		02/28/24 17:21	02/29/24 02:49	1
Ethylbenzene	ND		1.1	0.22	ug/Kg		02/28/24 17:21	02/29/24 02:49	1
Ethyl-t-butyl ether (ETBE)	ND		1.1	0.25	ug/Kg		02/28/24 17:21	02/29/24 02:49	1

Method: SW846 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Client Sample ID: CEB5-5'
Date Collected: 02/27/24 12:04
Date Received: 02/27/24 18:20

Lab Sample ID: 570-174146-18
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Isopropylbenzene	ND		1.1	0.29	ug/Kg		02/28/24 17:21	02/29/24 02:49	1
Methylene Chloride	ND		11	3.3	ug/Kg		02/28/24 17:21	02/29/24 02:49	1
Methyl-t-Butyl Ether (MTBE)	ND		2.1	0.20	ug/Kg		02/28/24 17:21	02/29/24 02:49	1
Naphthalene	ND		11	4.2	ug/Kg		02/28/24 17:21	02/29/24 02:49	1
n-Butylbenzene	ND		1.1	0.22	ug/Kg		02/28/24 17:21	02/29/24 02:49	1
N-Propylbenzene	ND		2.1	0.28	ug/Kg		02/28/24 17:21	02/29/24 02:49	1
o-Xylene	ND		1.1	0.27	ug/Kg		02/28/24 17:21	02/29/24 02:49	1
m,p-Xylene	ND		2.1	0.50	ug/Kg		02/28/24 17:21	02/29/24 02:49	1
p-Isopropyltoluene	ND		1.1	0.30	ug/Kg		02/28/24 17:21	02/29/24 02:49	1
sec-Butylbenzene	ND		1.1	0.29	ug/Kg		02/28/24 17:21	02/29/24 02:49	1
Styrene	ND		1.1	0.34	ug/Kg		02/28/24 17:21	02/29/24 02:49	1
trans-1,2-Dichloroethene	ND		1.1	0.32	ug/Kg		02/28/24 17:21	02/29/24 02:49	1
trans-1,3-Dichloropropene	ND		2.1	0.30	ug/Kg		02/28/24 17:21	02/29/24 02:49	1
Tert-amyl-methyl ether (TAME)	ND		1.1	0.21	ug/Kg		02/28/24 17:21	02/29/24 02:49	1
tert-Butyl alcohol (TBA)	ND	*1 *+	21	7.4	ug/Kg		02/28/24 17:21	02/29/24 02:49	1
tert-Butylbenzene	ND		1.1	0.27	ug/Kg		02/28/24 17:21	02/29/24 02:49	1
Tetrachloroethene	ND		1.1	0.24	ug/Kg		02/28/24 17:21	02/29/24 02:49	1
Toluene	**2.0**		1.1	0.29	ug/Kg		02/28/24 17:21	02/29/24 02:49	1
Trichloroethene	ND		2.1	0.41	ug/Kg		02/28/24 17:21	02/29/24 02:49	1
Trichlorofluoromethane	ND		11	0.29	ug/Kg		02/28/24 17:21	02/29/24 02:49	1
Vinyl acetate	ND		11	4.2	ug/Kg		02/28/24 17:21	02/29/24 02:49	1
Vinyl chloride	ND		1.1	0.40	ug/Kg		02/28/24 17:21	02/29/24 02:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*137*		*32 - 179*	*02/28/24 17:21*	*02/29/24 02:49*	*1*
4-Bromofluorobenzene (Surr)	*100*		*80 - 120*	*02/28/24 17:21*	*02/29/24 02:49*	*1*
Dibromofluoromethane (Surr)	*114*		*58 - 147*	*02/28/24 17:21*	*02/29/24 02:49*	*1*
Toluene-d8 (Surr)	*98*		*80 - 120*	*02/28/24 17:21*	*02/29/24 02:49*	*1*

Client Sample ID: CEB5-10'
Date Collected: 02/27/24 12:10
Date Received: 02/27/24 18:20

Lab Sample ID: 570-174146-19
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.89	0.26	ug/Kg		02/28/24 17:21	02/29/24 03:11	1
1,1,1-Trichloroethane	ND		0.89	0.21	ug/Kg		02/28/24 17:21	02/29/24 03:11	1
1,1,2,2-Tetrachloroethane	ND		1.8	0.48	ug/Kg		02/28/24 17:21	02/29/24 03:11	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		8.9	0.41	ug/Kg		02/28/24 17:21	02/29/24 03:11	1
1,1,2-Trichloroethane	ND		0.89	0.41	ug/Kg		02/28/24 17:21	02/29/24 03:11	1
1,1-Dichloroethane	ND		0.89	0.25	ug/Kg		02/28/24 17:21	02/29/24 03:11	1
1,1-Dichloroethene	ND		0.89	0.24	ug/Kg		02/28/24 17:21	02/29/24 03:11	1
1,1-Dichloropropene	ND		1.8	0.35	ug/Kg		02/28/24 17:21	02/29/24 03:11	1
1,2,3-Trichlorobenzene	ND		1.8	0.33	ug/Kg		02/28/24 17:21	02/29/24 03:11	1
1,2,3-Trichloropropane	ND		1.8	0.37	ug/Kg		02/28/24 17:21	02/29/24 03:11	1
1,2,4-Trichlorobenzene	ND		1.8	0.37	ug/Kg		02/28/24 17:21	02/29/24 03:11	1
1,2,4-Trimethylbenzene	ND		1.8	0.53	ug/Kg		02/28/24 17:21	02/29/24 03:11	1
1,2-Dibromo-3-Chloropropane	ND		8.9	3.0	ug/Kg		02/28/24 17:21	02/29/24 03:11	1
1,2-Dibromoethane	ND		0.89	0.18	ug/Kg		02/28/24 17:21	02/29/24 03:11	1
1,2-Dichlorobenzene	ND		0.89	0.22	ug/Kg		02/28/24 17:21	02/29/24 03:11	1
1,2-Dichloroethane	ND		0.89	0.25	ug/Kg		02/28/24 17:21	02/29/24 03:11	1
1,2-Dichloropropane	ND		0.89	0.25	ug/Kg		02/28/24 17:21	02/29/24 03:11	1

Method: SW846 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Client Sample ID: CEB5-10'
Date Collected: 02/27/24 12:10
Date Received: 02/27/24 18:20

Lab Sample ID: 570-174146-19
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,3,5-Trimethylbenzene	ND		1.8	0.24	ug/Kg		02/28/24 17:21	02/29/24 03:11	1
1,3-Dichlorobenzene	ND		0.89	0.22	ug/Kg		02/28/24 17:21	02/29/24 03:11	1
1,3-Dichloropropane	ND		0.89	0.26	ug/Kg		02/28/24 17:21	02/29/24 03:11	1
1,4-Dichlorobenzene	ND		0.89	0.27	ug/Kg		02/28/24 17:21	02/29/24 03:11	1
2,2-Dichloropropane	ND		4.4	0.24	ug/Kg		02/28/24 17:21	02/29/24 03:11	1
2-Butanone	ND		18	4.0	ug/Kg		02/28/24 17:21	02/29/24 03:11	1
2-Chlorotoluene	ND		0.89	0.22	ug/Kg		02/28/24 17:21	02/29/24 03:11	1
2-Hexanone	ND		18	2.7	ug/Kg		02/28/24 17:21	02/29/24 03:11	1
4-Chlorotoluene	ND		0.89	0.22	ug/Kg		02/28/24 17:21	02/29/24 03:11	1
4-Methyl-2-pentanone	ND		18	2.6	ug/Kg		02/28/24 17:21	02/29/24 03:11	1
Acetone	**12**	**J**	18	8.8	ug/Kg		02/28/24 17:21	02/29/24 03:11	1
Benzene	**0.25**	**J**	0.89	0.23	ug/Kg		02/28/24 17:21	02/29/24 03:11	1
Bromobenzene	ND		0.89	0.19	ug/Kg		02/28/24 17:21	02/29/24 03:11	1
Bromochloromethane	ND		1.8	0.40	ug/Kg		02/28/24 17:21	02/29/24 03:11	1
Bromodichloromethane	ND		0.89	0.29	ug/Kg		02/28/24 17:21	02/29/24 03:11	1
Bromoform	ND		4.4	1.2	ug/Kg		02/28/24 17:21	02/29/24 03:11	1
Bromomethane	ND		18	5.9	ug/Kg		02/28/24 17:21	02/29/24 03:11	1
cis-1,2-Dichloroethene	ND		0.89	0.30	ug/Kg		02/28/24 17:21	02/29/24 03:11	1
cis-1,3-Dichloropropene	ND		0.89	0.31	ug/Kg		02/28/24 17:21	02/29/24 03:11	1
Carbon disulfide	ND		8.9	0.36	ug/Kg		02/28/24 17:21	02/29/24 03:11	1
Carbon tetrachloride	ND		0.89	0.27	ug/Kg		02/28/24 17:21	02/29/24 03:11	1
Chlorobenzene	ND		0.89	0.24	ug/Kg		02/28/24 17:21	02/29/24 03:11	1
Chloroethane	ND		1.8	0.66	ug/Kg		02/28/24 17:21	02/29/24 03:11	1
Chloroform	ND		0.89	0.52	ug/Kg		02/28/24 17:21	02/29/24 03:11	1
Chloromethane	ND		18	1.4	ug/Kg		02/28/24 17:21	02/29/24 03:11	1
Dibromochloromethane	ND		1.8	0.24	ug/Kg		02/28/24 17:21	02/29/24 03:11	1
Dibromomethane	ND		0.89	0.27	ug/Kg		02/28/24 17:21	02/29/24 03:11	1
Dichlorodifluoromethane	ND		1.8	0.40	ug/Kg		02/28/24 17:21	02/29/24 03:11	1
Di-isopropyl ether (DIPE)	ND		0.89	0.44	ug/Kg		02/28/24 17:21	02/29/24 03:11	1
Ethanol	ND	*1	220	82	ug/Kg		02/28/24 17:21	02/29/24 03:11	1
Ethylbenzene	ND		0.89	0.18	ug/Kg		02/28/24 17:21	02/29/24 03:11	1
Ethyl-t-butyl ether (ETBE)	ND		0.89	0.21	ug/Kg		02/28/24 17:21	02/29/24 03:11	1
Isopropylbenzene	ND		0.89	0.25	ug/Kg		02/28/24 17:21	02/29/24 03:11	1
Methylene Chloride	ND		8.9	2.8	ug/Kg		02/28/24 17:21	02/29/24 03:11	1
Methyl-t-Butyl Ether (MTBE)	ND		1.8	0.17	ug/Kg		02/28/24 17:21	02/29/24 03:11	1
Naphthalene	ND		8.9	3.5	ug/Kg		02/28/24 17:21	02/29/24 03:11	1
n-Butylbenzene	ND		0.89	0.19	ug/Kg		02/28/24 17:21	02/29/24 03:11	1
N-Propylbenzene	ND		1.8	0.23	ug/Kg		02/28/24 17:21	02/29/24 03:11	1
o-Xylene	ND		0.89	0.23	ug/Kg		02/28/24 17:21	02/29/24 03:11	1
m,p-Xylene	ND		1.8	0.42	ug/Kg		02/28/24 17:21	02/29/24 03:11	1
p-Isopropyltoluene	ND		0.89	0.25	ug/Kg		02/28/24 17:21	02/29/24 03:11	1
sec-Butylbenzene	ND		0.89	0.24	ug/Kg		02/28/24 17:21	02/29/24 03:11	1
Styrene	ND		0.89	0.28	ug/Kg		02/28/24 17:21	02/29/24 03:11	1
trans-1,2-Dichloroethene	ND		0.89	0.27	ug/Kg		02/28/24 17:21	02/29/24 03:11	1
trans-1,3-Dichloropropene	ND		1.8	0.25	ug/Kg		02/28/24 17:21	02/29/24 03:11	1
Tert-amyl-methyl ether (TAME)	ND		0.89	0.17	ug/Kg		02/28/24 17:21	02/29/24 03:11	1
tert-Butyl alcohol (TBA)	ND	*1 *+	18	6.2	ug/Kg		02/28/24 17:21	02/29/24 03:11	1
tert-Butylbenzene	ND		0.89	0.23	ug/Kg		02/28/24 17:21	02/29/24 03:11	1
Tetrachloroethene	ND		0.89	0.20	ug/Kg		02/28/24 17:21	02/29/24 03:11	1

Method: SW846 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Client Sample ID: CEB5-10'
Date Collected: 02/27/24 12:10
Date Received: 02/27/24 18:20

Lab Sample ID: 570-174146-19
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Toluene	ND		0.89	0.24	ug/Kg		02/28/24 17:21	02/29/24 03:11	1
Trichloroethene	ND		1.8	0.34	ug/Kg		02/28/24 17:21	02/29/24 03:11	1
Trichlorofluoromethane	ND		8.9	0.24	ug/Kg		02/28/24 17:21	02/29/24 03:11	1
Vinyl acetate	ND		8.9	3.5	ug/Kg		02/28/24 17:21	02/29/24 03:11	1
Vinyl chloride	ND		0.89	0.34	ug/Kg		02/28/24 17:21	02/29/24 03:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*134*		*32 - 179*	*02/28/24 17:21*	*02/29/24 03:11*	*1*
4-Bromofluorobenzene (Surr)	*100*		*80 - 120*	*02/28/24 17:21*	*02/29/24 03:11*	*1*
Dibromofluoromethane (Surr)	*113*		*58 - 147*	*02/28/24 17:21*	*02/29/24 03:11*	*1*
Toluene-d8 (Surr)	*98*		*80 - 120*	*02/28/24 17:21*	*02/29/24 03:11*	*1*

Client Sample ID: CEB5-15'
Date Collected: 02/27/24 12:15
Date Received: 02/27/24 18:20

Lab Sample ID: 570-174146-20
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.87	0.25	ug/Kg		02/28/24 17:21	02/29/24 03:33	1
1,1,1-Trichloroethane	ND		0.87	0.20	ug/Kg		02/28/24 17:21	02/29/24 03:33	1
1,1,2,2-Tetrachloroethane	ND		1.7	0.47	ug/Kg		02/28/24 17:21	02/29/24 03:33	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		8.7	0.40	ug/Kg		02/28/24 17:21	02/29/24 03:33	1
1,1,2-Trichloroethane	ND		0.87	0.40	ug/Kg		02/28/24 17:21	02/29/24 03:33	1
1,1-Dichloroethane	ND		0.87	0.24	ug/Kg		02/28/24 17:21	02/29/24 03:33	1
1,1-Dichloroethene	ND		0.87	0.23	ug/Kg		02/28/24 17:21	02/29/24 03:33	1
1,1-Dichloropropene	ND		1.7	0.34	ug/Kg		02/28/24 17:21	02/29/24 03:33	1
1,2,3-Trichlorobenzene	ND		1.7	0.33	ug/Kg		02/28/24 17:21	02/29/24 03:33	1
1,2,3-Trichloropropane	ND		1.7	0.36	ug/Kg		02/28/24 17:21	02/29/24 03:33	1
1,2,4-Trichlorobenzene	ND		1.7	0.36	ug/Kg		02/28/24 17:21	02/29/24 03:33	1
1,2,4-Trimethylbenzene	ND		1.7	0.52	ug/Kg		02/28/24 17:21	02/29/24 03:33	1
1,2-Dibromo-3-Chloropropane	ND		8.7	2.9	ug/Kg		02/28/24 17:21	02/29/24 03:33	1
1,2-Dibromoethane	ND		0.87	0.18	ug/Kg		02/28/24 17:21	02/29/24 03:33	1
1,2-Dichlorobenzene	ND		0.87	0.22	ug/Kg		02/28/24 17:21	02/29/24 03:33	1
1,2-Dichloroethane	ND		0.87	0.24	ug/Kg		02/28/24 17:21	02/29/24 03:33	1
1,2-Dichloropropane	ND		0.87	0.24	ug/Kg		02/28/24 17:21	02/29/24 03:33	1
1,3,5-Trimethylbenzene	ND		1.7	0.23	ug/Kg		02/28/24 17:21	02/29/24 03:33	1
1,3-Dichlorobenzene	ND		0.87	0.22	ug/Kg		02/28/24 17:21	02/29/24 03:33	1
1,3-Dichloropropane	ND		0.87	0.26	ug/Kg		02/28/24 17:21	02/29/24 03:33	1
1,4-Dichlorobenzene	ND		0.87	0.27	ug/Kg		02/28/24 17:21	02/29/24 03:33	1
2,2-Dichloropropane	ND		4.3	0.24	ug/Kg		02/28/24 17:21	02/29/24 03:33	1
2-Butanone	ND		17	3.9	ug/Kg		02/28/24 17:21	02/29/24 03:33	1
2-Chlorotoluene	ND		0.87	0.22	ug/Kg		02/28/24 17:21	02/29/24 03:33	1
2-Hexanone	ND		17	2.7	ug/Kg		02/28/24 17:21	02/29/24 03:33	1
4-Chlorotoluene	ND		0.87	0.21	ug/Kg		02/28/24 17:21	02/29/24 03:33	1
4-Methyl-2-pentanone	ND		17	2.5	ug/Kg		02/28/24 17:21	02/29/24 03:33	1
Acetone	**9.1**	**J**	17	8.5	ug/Kg		02/28/24 17:21	02/29/24 03:33	1
Benzene	**0.43**	**J**	0.87	0.22	ug/Kg		02/28/24 17:21	02/29/24 03:33	1
Bromobenzene	ND		0.87	0.18	ug/Kg		02/28/24 17:21	02/29/24 03:33	1
Bromochloromethane	ND		1.7	0.39	ug/Kg		02/28/24 17:21	02/29/24 03:33	1
Bromodichloromethane	ND		0.87	0.28	ug/Kg		02/28/24 17:21	02/29/24 03:33	1
Bromoform	ND		4.3	1.1	ug/Kg		02/28/24 17:21	02/29/24 03:33	1
Bromomethane	ND		17	5.7	ug/Kg		02/28/24 17:21	02/29/24 03:33	1

Method: SW846 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Client Sample ID: CEB5-15'
Date Collected: 02/27/24 12:15
Date Received: 02/27/24 18:20

Lab Sample ID: 570-174146-20
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,2-Dichloroethene	ND		0.87	0.29	ug/Kg		02/28/24 17:21	02/29/24 03:33	1
cis-1,3-Dichloropropene	ND		0.87	0.30	ug/Kg		02/28/24 17:21	02/29/24 03:33	1
Carbon disulfide	ND		8.7	0.35	ug/Kg		02/28/24 17:21	02/29/24 03:33	1
Carbon tetrachloride	ND		0.87	0.26	ug/Kg		02/28/24 17:21	02/29/24 03:33	1
Chlorobenzene	ND		0.87	0.23	ug/Kg		02/28/24 17:21	02/29/24 03:33	1
Chloroethane	ND		1.7	0.64	ug/Kg		02/28/24 17:21	02/29/24 03:33	1
Chloroform	ND		0.87	0.51	ug/Kg		02/28/24 17:21	02/29/24 03:33	1
Chloromethane	ND		17	1.3	ug/Kg		02/28/24 17:21	02/29/24 03:33	1
Dibromochloromethane	ND		1.7	0.24	ug/Kg		02/28/24 17:21	02/29/24 03:33	1
Dibromomethane	ND		0.87	0.26	ug/Kg		02/28/24 17:21	02/29/24 03:33	1
Dichlorodifluoromethane	ND		1.7	0.39	ug/Kg		02/28/24 17:21	02/29/24 03:33	1
Di-isopropyl ether (DIPE)	ND		0.87	0.43	ug/Kg		02/28/24 17:21	02/29/24 03:33	1
Ethanol	ND	*1	220	80	ug/Kg		02/28/24 17:21	02/29/24 03:33	1
Ethylbenzene	ND		0.87	0.18	ug/Kg		02/28/24 17:21	02/29/24 03:33	1
Ethyl-t-butyl ether (ETBE)	ND		0.87	0.20	ug/Kg		02/28/24 17:21	02/29/24 03:33	1
Isopropylbenzene	ND		0.87	0.24	ug/Kg		02/28/24 17:21	02/29/24 03:33	1
Methylene Chloride	ND		8.7	2.7	ug/Kg		02/28/24 17:21	02/29/24 03:33	1
Methyl-t-Butyl Ether (MTBE)	ND		1.7	0.16	ug/Kg		02/28/24 17:21	02/29/24 03:33	1
Naphthalene	ND		8.7	3.4	ug/Kg		02/28/24 17:21	02/29/24 03:33	1
n-Butylbenzene	ND		0.87	0.18	ug/Kg		02/28/24 17:21	02/29/24 03:33	1
N-Propylbenzene	ND		1.7	0.23	ug/Kg		02/28/24 17:21	02/29/24 03:33	1
o-Xylene	ND		0.87	0.22	ug/Kg		02/28/24 17:21	02/29/24 03:33	1
m,p-Xylene	ND		1.7	0.41	ug/Kg		02/28/24 17:21	02/29/24 03:33	1
p-Isopropyltoluene	ND		0.87	0.24	ug/Kg		02/28/24 17:21	02/29/24 03:33	1
sec-Butylbenzene	ND		0.87	0.24	ug/Kg		02/28/24 17:21	02/29/24 03:33	1
Styrene	ND		0.87	0.28	ug/Kg		02/28/24 17:21	02/29/24 03:33	1
trans-1,2-Dichloroethene	ND		0.87	0.26	ug/Kg		02/28/24 17:21	02/29/24 03:33	1
trans-1,3-Dichloropropene	ND		1.7	0.24	ug/Kg		02/28/24 17:21	02/29/24 03:33	1
Tert-amyl-methyl ether (TAME)	ND		0.87	0.17	ug/Kg		02/28/24 17:21	02/29/24 03:33	1
tert-Butyl alcohol (TBA)	ND	*1 *+	17	6.1	ug/Kg		02/28/24 17:21	02/29/24 03:33	1
tert-Butylbenzene	ND		0.87	0.22	ug/Kg		02/28/24 17:21	02/29/24 03:33	1
Tetrachloroethene	ND		0.87	0.19	ug/Kg		02/28/24 17:21	02/29/24 03:33	1
Toluene	**0.27**	**J**	0.87	0.23	ug/Kg		02/28/24 17:21	02/29/24 03:33	1
Trichloroethene	ND		1.7	0.34	ug/Kg		02/28/24 17:21	02/29/24 03:33	1
Trichlorofluoromethane	ND		8.7	0.24	ug/Kg		02/28/24 17:21	02/29/24 03:33	1
Vinyl acetate	ND		8.7	3.4	ug/Kg		02/28/24 17:21	02/29/24 03:33	1
Vinyl chloride	ND		0.87	0.33	ug/Kg		02/28/24 17:21	02/29/24 03:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*134*		*32 - 179*	*02/28/24 17:21*	*02/29/24 03:33*	*1*
4-Bromofluorobenzene (Surr)	*100*		*80 - 120*	*02/28/24 17:21*	*02/29/24 03:33*	*1*
Dibromofluoromethane (Surr)	*113*		*58 - 147*	*02/28/24 17:21*	*02/29/24 03:33*	*1*
Toluene-d8 (Surr)	*99*		*80 - 120*	*02/28/24 17:21*	*02/29/24 03:33*	*1*

Client Sample ID: CEB6-2'
Date Collected: 02/27/24 13:01
Date Received: 02/27/24 18:20

Lab Sample ID: 570-174146-21
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.77	0.22	ug/Kg		02/28/24 17:21	02/29/24 03:54	1
1,1,1-Trichloroethane	ND		0.77	0.18	ug/Kg		02/28/24 17:21	02/29/24 03:54	1

Method: SW846 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Client Sample ID: CEB6-2'
Date Collected: 02/27/24 13:01
Date Received: 02/27/24 18:20

Lab Sample ID: 570-174146-21
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2,2-Tetrachloroethane	ND		1.5	0.42	ug/Kg		02/28/24 17:21	02/29/24 03:54	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		7.7	0.35	ug/Kg		02/28/24 17:21	02/29/24 03:54	1
1,1,2-Trichloroethane	ND		0.77	0.36	ug/Kg		02/28/24 17:21	02/29/24 03:54	1
1,1-Dichloroethane	ND		0.77	0.21	ug/Kg		02/28/24 17:21	02/29/24 03:54	1
1,1-Dichloroethene	ND		0.77	0.20	ug/Kg		02/28/24 17:21	02/29/24 03:54	1
1,1-Dichloropropene	ND		1.5	0.30	ug/Kg		02/28/24 17:21	02/29/24 03:54	1
1,2,3-Trichlorobenzene	ND		1.5	0.29	ug/Kg		02/28/24 17:21	02/29/24 03:54	1
1,2,3-Trichloropropane	ND		1.5	0.32	ug/Kg		02/28/24 17:21	02/29/24 03:54	1
1,2,4-Trichlorobenzene	ND		1.5	0.31	ug/Kg		02/28/24 17:21	02/29/24 03:54	1
1,2,4-Trimethylbenzene	ND		1.5	0.46	ug/Kg		02/28/24 17:21	02/29/24 03:54	1
1,2-Dibromo-3-Chloropropane	ND		7.7	2.6	ug/Kg		02/28/24 17:21	02/29/24 03:54	1
1,2-Dibromoethane	ND		0.77	0.16	ug/Kg		02/28/24 17:21	02/29/24 03:54	1
1,2-Dichlorobenzene	ND		0.77	0.19	ug/Kg		02/28/24 17:21	02/29/24 03:54	1
1,2-Dichloroethane	ND		0.77	0.21	ug/Kg		02/28/24 17:21	02/29/24 03:54	1
1,2-Dichloropropane	ND		0.77	0.21	ug/Kg		02/28/24 17:21	02/29/24 03:54	1
1,3,5-Trimethylbenzene	ND		1.5	0.20	ug/Kg		02/28/24 17:21	02/29/24 03:54	1
1,3-Dichlorobenzene	ND		0.77	0.19	ug/Kg		02/28/24 17:21	02/29/24 03:54	1
1,3-Dichloropropane	ND		0.77	0.23	ug/Kg		02/28/24 17:21	02/29/24 03:54	1
1,4-Dichlorobenzene	ND		0.77	0.24	ug/Kg		02/28/24 17:21	02/29/24 03:54	1
2,2-Dichloropropane	ND		3.8	0.21	ug/Kg		02/28/24 17:21	02/29/24 03:54	1
2-Butanone	ND		15	3.5	ug/Kg		02/28/24 17:21	02/29/24 03:54	1
2-Chlorotoluene	ND		0.77	0.19	ug/Kg		02/28/24 17:21	02/29/24 03:54	1
2-Hexanone	ND		15	2.4	ug/Kg		02/28/24 17:21	02/29/24 03:54	1
4-Chlorotoluene	ND		0.77	0.19	ug/Kg		02/28/24 17:21	02/29/24 03:54	1
4-Methyl-2-pentanone	ND		15	2.2	ug/Kg		02/28/24 17:21	02/29/24 03:54	1
Acetone	**32**		15	7.5	ug/Kg		02/28/24 17:21	02/29/24 03:54	1
Benzene	**0.90**		0.77	0.20	ug/Kg		02/28/24 17:21	02/29/24 03:54	1
Bromobenzene	ND		0.77	0.16	ug/Kg		02/28/24 17:21	02/29/24 03:54	1
Bromochloromethane	ND		1.5	0.34	ug/Kg		02/28/24 17:21	02/29/24 03:54	1
Bromodichloromethane	ND		0.77	0.25	ug/Kg		02/28/24 17:21	02/29/24 03:54	1
Bromoform	ND		3.8	1.0	ug/Kg		02/28/24 17:21	02/29/24 03:54	1
Bromomethane	ND		15	5.0	ug/Kg		02/28/24 17:21	02/29/24 03:54	1
cis-1,2-Dichloroethene	ND		0.77	0.26	ug/Kg		02/28/24 17:21	02/29/24 03:54	1
cis-1,3-Dichloropropene	ND		0.77	0.27	ug/Kg		02/28/24 17:21	02/29/24 03:54	1
Carbon disulfide	ND		7.7	0.31	ug/Kg		02/28/24 17:21	02/29/24 03:54	1
Carbon tetrachloride	ND		0.77	0.23	ug/Kg		02/28/24 17:21	02/29/24 03:54	1
Chlorobenzene	ND		0.77	0.21	ug/Kg		02/28/24 17:21	02/29/24 03:54	1
Chloroethane	ND		1.5	0.57	ug/Kg		02/28/24 17:21	02/29/24 03:54	1
Chloroform	ND		0.77	0.45	ug/Kg		02/28/24 17:21	02/29/24 03:54	1
Chloromethane	ND		15	1.2	ug/Kg		02/28/24 17:21	02/29/24 03:54	1
Dibromochloromethane	ND		1.5	0.21	ug/Kg		02/28/24 17:21	02/29/24 03:54	1
Dibromomethane	ND		0.77	0.23	ug/Kg		02/28/24 17:21	02/29/24 03:54	1
Dichlorodifluoromethane	ND		1.5	0.35	ug/Kg		02/28/24 17:21	02/29/24 03:54	1
Di-isopropyl ether (DIPE)	ND		0.77	0.38	ug/Kg		02/28/24 17:21	02/29/24 03:54	1
Ethanol	ND	*1	190	71	ug/Kg		02/28/24 17:21	02/29/24 03:54	1
Ethylbenzene	ND		0.77	0.16	ug/Kg		02/28/24 17:21	02/29/24 03:54	1
Ethyl-t-butyl ether (ETBE)	ND		0.77	0.18	ug/Kg		02/28/24 17:21	02/29/24 03:54	1
Isopropylbenzene	ND		0.77	0.21	ug/Kg		02/28/24 17:21	02/29/24 03:54	1
Methylene Chloride	ND		7.7	2.4	ug/Kg		02/28/24 17:21	02/29/24 03:54	1

Method: SW846 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Client Sample ID: CEB6-2'
Date Collected: 02/27/24 13:01
Date Received: 02/27/24 18:20

Lab Sample ID: 570-174146-21
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl-t-Butyl Ether (MTBE)	ND		1.5	0.14	ug/Kg		02/28/24 17:21	02/29/24 03:54	1
Naphthalene	ND		7.7	3.0	ug/Kg		02/28/24 17:21	02/29/24 03:54	1
n-Butylbenzene	ND		0.77	0.16	ug/Kg		02/28/24 17:21	02/29/24 03:54	1
N-Propylbenzene	ND		1.5	0.20	ug/Kg		02/28/24 17:21	02/29/24 03:54	1
o-Xylene	ND		0.77	0.20	ug/Kg		02/28/24 17:21	02/29/24 03:54	1
m,p-Xylene	ND		1.5	0.36	ug/Kg		02/28/24 17:21	02/29/24 03:54	1
p-Isopropyltoluene	ND		0.77	0.22	ug/Kg		02/28/24 17:21	02/29/24 03:54	1
sec-Butylbenzene	ND		0.77	0.21	ug/Kg		02/28/24 17:21	02/29/24 03:54	1
Styrene	ND		0.77	0.24	ug/Kg		02/28/24 17:21	02/29/24 03:54	1
trans-1,2-Dichloroethene	ND		0.77	0.23	ug/Kg		02/28/24 17:21	02/29/24 03:54	1
trans-1,3-Dichloropropene	ND		1.5	0.21	ug/Kg		02/28/24 17:21	02/29/24 03:54	1
Tert-amyl-methyl ether (TAME)	ND		0.77	0.15	ug/Kg		02/28/24 17:21	02/29/24 03:54	1
tert-Butyl alcohol (TBA)	ND	*1 *+	15	5.4	ug/Kg		02/28/24 17:21	02/29/24 03:54	1
tert-Butylbenzene	ND		0.77	0.20	ug/Kg		02/28/24 17:21	02/29/24 03:54	1
Tetrachloroethene	**0.84**		0.77	0.17	ug/Kg		02/28/24 17:21	02/29/24 03:54	1
Toluene	**0.35**	**J**	0.77	0.21	ug/Kg		02/28/24 17:21	02/29/24 03:54	1
Trichloroethene	ND		1.5	0.30	ug/Kg		02/28/24 17:21	02/29/24 03:54	1
Trichlorofluoromethane	ND		7.7	0.21	ug/Kg		02/28/24 17:21	02/29/24 03:54	1
Vinyl acetate	ND		7.7	3.0	ug/Kg		02/28/24 17:21	02/29/24 03:54	1
Vinyl chloride	ND		0.77	0.29	ug/Kg		02/28/24 17:21	02/29/24 03:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*134*		*32 - 179*	*02/28/24 17:21*	*02/29/24 03:54*	*1*
4-Bromofluorobenzene (Surr)	*100*		*80 - 120*	*02/28/24 17:21*	*02/29/24 03:54*	*1*
Dibromofluoromethane (Surr)	*115*		*58 - 147*	*02/28/24 17:21*	*02/29/24 03:54*	*1*
Toluene-d8 (Surr)	*98*		*80 - 120*	*02/28/24 17:21*	*02/29/24 03:54*	*1*

Client Sample ID: CEB6-5'
Date Collected: 02/27/24 13:04
Date Received: 02/27/24 18:20

Lab Sample ID: 570-174146-22
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.77	0.22	ug/Kg		02/28/24 17:21	02/29/24 04:16	1
1,1,1-Trichloroethane	ND		0.77	0.18	ug/Kg		02/28/24 17:21	02/29/24 04:16	1
1,1,2,2-Tetrachloroethane	ND		1.5	0.42	ug/Kg		02/28/24 17:21	02/29/24 04:16	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		7.7	0.36	ug/Kg		02/28/24 17:21	02/29/24 04:16	1
1,1,2-Trichloroethane	ND		0.77	0.36	ug/Kg		02/28/24 17:21	02/29/24 04:16	1
1,1-Dichloroethane	ND		0.77	0.22	ug/Kg		02/28/24 17:21	02/29/24 04:16	1
1,1-Dichloroethene	ND		0.77	0.20	ug/Kg		02/28/24 17:21	02/29/24 04:16	1
1,1-Dichloropropene	ND		1.5	0.30	ug/Kg		02/28/24 17:21	02/29/24 04:16	1
1,2,3-Trichlorobenzene	ND		1.5	0.29	ug/Kg		02/28/24 17:21	02/29/24 04:16	1
1,2,3-Trichloropropane	ND		1.5	0.32	ug/Kg		02/28/24 17:21	02/29/24 04:16	1
1,2,4-Trichlorobenzene	ND		1.5	0.32	ug/Kg		02/28/24 17:21	02/29/24 04:16	1
1,2,4-Trimethylbenzene	ND		1.5	0.46	ug/Kg		02/28/24 17:21	02/29/24 04:16	1
1,2-Dibromo-3-Chloropropane	ND		7.7	2.6	ug/Kg		02/28/24 17:21	02/29/24 04:16	1
1,2-Dibromoethane	ND		0.77	0.16	ug/Kg		02/28/24 17:21	02/29/24 04:16	1
1,2-Dichlorobenzene	ND		0.77	0.19	ug/Kg		02/28/24 17:21	02/29/24 04:16	1
1,2-Dichloroethane	ND		0.77	0.21	ug/Kg		02/28/24 17:21	02/29/24 04:16	1
1,2-Dichloropropane	ND		0.77	0.21	ug/Kg		02/28/24 17:21	02/29/24 04:16	1
1,3,5-Trimethylbenzene	ND		1.5	0.21	ug/Kg		02/28/24 17:21	02/29/24 04:16	1
1,3-Dichlorobenzene	ND		0.77	0.19	ug/Kg		02/28/24 17:21	02/29/24 04:16	1

Method: SW846 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Client Sample ID: CEB6-5'
Date Collected: 02/27/24 13:04
Date Received: 02/27/24 18:20

Lab Sample ID: 570-174146-22
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,3-Dichloropropane	ND		0.77	0.23	ug/Kg		02/28/24 17:21	02/29/24 04:16	1
1,4-Dichlorobenzene	ND		0.77	0.24	ug/Kg		02/28/24 17:21	02/29/24 04:16	1
2,2-Dichloropropane	ND		3.9	0.21	ug/Kg		02/28/24 17:21	02/29/24 04:16	1
2-Butanone	ND		15	3.5	ug/Kg		02/28/24 17:21	02/29/24 04:16	1
2-Chlorotoluene	ND		0.77	0.19	ug/Kg		02/28/24 17:21	02/29/24 04:16	1
2-Hexanone	ND		15	2.4	ug/Kg		02/28/24 17:21	02/29/24 04:16	1
4-Chlorotoluene	ND		0.77	0.19	ug/Kg		02/28/24 17:21	02/29/24 04:16	1
4-Methyl-2-pentanone	ND		15	2.2	ug/Kg		02/28/24 17:21	02/29/24 04:16	1
Acetone	**17**		15	7.6	ug/Kg		02/28/24 17:21	02/29/24 04:16	1
Benzene	**1.7**		0.77	0.20	ug/Kg		02/28/24 17:21	02/29/24 04:16	1
Bromobenzene	ND		0.77	0.16	ug/Kg		02/28/24 17:21	02/29/24 04:16	1
Bromochloromethane	ND		1.5	0.34	ug/Kg		02/28/24 17:21	02/29/24 04:16	1
Bromodichloromethane	ND		0.77	0.25	ug/Kg		02/28/24 17:21	02/29/24 04:16	1
Bromoform	ND		3.9	1.0	ug/Kg		02/28/24 17:21	02/29/24 04:16	1
Bromomethane	ND		15	5.1	ug/Kg		02/28/24 17:21	02/29/24 04:16	1
cis-1,2-Dichloroethene	ND		0.77	0.26	ug/Kg		02/28/24 17:21	02/29/24 04:16	1
cis-1,3-Dichloropropene	ND		0.77	0.27	ug/Kg		02/28/24 17:21	02/29/24 04:16	1
Carbon disulfide	ND		7.7	0.31	ug/Kg		02/28/24 17:21	02/29/24 04:16	1
Carbon tetrachloride	ND		0.77	0.23	ug/Kg		02/28/24 17:21	02/29/24 04:16	1
Chlorobenzene	ND		0.77	0.21	ug/Kg		02/28/24 17:21	02/29/24 04:16	1
Chloroethane	ND		1.5	0.57	ug/Kg		02/28/24 17:21	02/29/24 04:16	1
Chloroform	ND		0.77	0.46	ug/Kg		02/28/24 17:21	02/29/24 04:16	1
Chloromethane	ND		15	1.2	ug/Kg		02/28/24 17:21	02/29/24 04:16	1
Dibromochloromethane	ND		1.5	0.21	ug/Kg		02/28/24 17:21	02/29/24 04:16	1
Dibromomethane	ND		0.77	0.24	ug/Kg		02/28/24 17:21	02/29/24 04:16	1
Dichlorodifluoromethane	ND		1.5	0.35	ug/Kg		02/28/24 17:21	02/29/24 04:16	1
Di-isopropyl ether (DIPE)	ND		0.77	0.39	ug/Kg		02/28/24 17:21	02/29/24 04:16	1
Ethanol	ND	*1	190	71	ug/Kg		02/28/24 17:21	02/29/24 04:16	1
Ethylbenzene	ND		0.77	0.16	ug/Kg		02/28/24 17:21	02/29/24 04:16	1
Ethyl-t-butyl ether (ETBE)	ND		0.77	0.18	ug/Kg		02/28/24 17:21	02/29/24 04:16	1
Isopropylbenzene	ND		0.77	0.21	ug/Kg		02/28/24 17:21	02/29/24 04:16	1
Methylene Chloride	ND		7.7	2.4	ug/Kg		02/28/24 17:21	02/29/24 04:16	1
Methyl-t-Butyl Ether (MTBE)	ND		1.5	0.15	ug/Kg		02/28/24 17:21	02/29/24 04:16	1
Naphthalene	ND		7.7	3.0	ug/Kg		02/28/24 17:21	02/29/24 04:16	1
n-Butylbenzene	ND		0.77	0.16	ug/Kg		02/28/24 17:21	02/29/24 04:16	1
N-Propylbenzene	ND		1.5	0.20	ug/Kg		02/28/24 17:21	02/29/24 04:16	1
o-Xylene	ND		0.77	0.20	ug/Kg		02/28/24 17:21	02/29/24 04:16	1
m,p-Xylene	ND		1.5	0.37	ug/Kg		02/28/24 17:21	02/29/24 04:16	1
p-Isopropyltoluene	ND		0.77	0.22	ug/Kg		02/28/24 17:21	02/29/24 04:16	1
sec-Butylbenzene	ND		0.77	0.21	ug/Kg		02/28/24 17:21	02/29/24 04:16	1
Styrene	ND		0.77	0.24	ug/Kg		02/28/24 17:21	02/29/24 04:16	1
trans-1,2-Dichloroethene	ND		0.77	0.23	ug/Kg		02/28/24 17:21	02/29/24 04:16	1
trans-1,3-Dichloropropene	ND		1.5	0.22	ug/Kg		02/28/24 17:21	02/29/24 04:16	1
Tert-amyl-methyl ether (TAME)	ND		0.77	0.15	ug/Kg		02/28/24 17:21	02/29/24 04:16	1
tert-Butyl alcohol (TBA)	ND	*1 *+	15	5.4	ug/Kg		02/28/24 17:21	02/29/24 04:16	1
tert-Butylbenzene	ND		0.77	0.20	ug/Kg		02/28/24 17:21	02/29/24 04:16	1
Tetrachloroethene	**1.0**		0.77	0.17	ug/Kg		02/28/24 17:21	02/29/24 04:16	1
Toluene	**0.60**	**J**	0.77	0.21	ug/Kg		02/28/24 17:21	02/29/24 04:16	1
Trichloroethene	ND		1.5	0.30	ug/Kg		02/28/24 17:21	02/29/24 04:16	1

Method: SW846 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Client Sample ID: CEB6-5'
Lab Sample ID: 570-174146-22
Date Collected: 02/27/24 13:04
Matrix: Solid
Date Received: 02/27/24 18:20

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichlorofluoromethane	ND		7.7	0.21	ug/Kg		02/28/24 17:21	02/29/24 04:16	1
Vinyl acetate	ND		7.7	3.0	ug/Kg		02/28/24 17:21	02/29/24 04:16	1
Vinyl chloride	ND		0.77	0.29	ug/Kg		02/28/24 17:21	02/29/24 04:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*134*		*32 - 179*	*02/28/24 17:21*	*02/29/24 04:16*	*1*
4-Bromofluorobenzene (Surr)	*99*		*80 - 120*	*02/28/24 17:21*	*02/29/24 04:16*	*1*
Dibromofluoromethane (Surr)	*115*		*58 - 147*	*02/28/24 17:21*	*02/29/24 04:16*	*1*
Toluene-d8 (Surr)	*99*		*80 - 120*	*02/28/24 17:21*	*02/29/24 04:16*	*1*

Method: SW846 8015B - Diesel Range Organics (DRO) (GC)

Client Sample ID: CEB1-2'
Date Collected: 02/27/24 07:20
Date Received: 02/27/24 18:20

Lab Sample ID: 570-174146-1
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	30		25	19	mg/Kg		02/28/24 13:02	02/29/24 23:52	5
TPH as Motor Oil (C17-C44)	210	F1	130	57	mg/Kg		02/28/24 13:02	02/29/24 23:52	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane (Surr)	*97*		*60 - 138*	*02/28/24 13:02*	*02/29/24 23:52*	*5*

Client Sample ID: CEB1-5'
Date Collected: 02/27/24 07:30
Date Received: 02/27/24 18:20

Lab Sample ID: 570-174146-2
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	8.4		5.1	4.0	mg/Kg		02/28/24 13:02	03/01/24 00:14	1
TPH as Motor Oil (C17-C44)	25	J	26	12	mg/Kg		02/28/24 13:02	03/01/24 00:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane (Surr)	*95*		*60 - 138*	*02/28/24 13:02*	*03/01/24 00:14*	*1*

Client Sample ID: CEB1-15'
Date Collected: 02/27/24 07:45
Date Received: 02/27/24 18:20

Lab Sample ID: 570-174146-4
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		4.8	3.7	mg/Kg		02/28/24 13:02	03/01/24 00:36	1
TPH as Motor Oil (C17-C44)	ND		24	11	mg/Kg		02/28/24 13:02	03/01/24 00:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane (Surr)	*96*		*60 - 138*	*02/28/24 13:02*	*03/01/24 00:36*	*1*

Client Sample ID: CEB2-2'
Date Collected: 02/27/24 08:30
Date Received: 02/27/24 18:20

Lab Sample ID: 570-174146-5
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	31		4.9	3.8	mg/Kg		02/28/24 13:02	03/01/24 00:59	1
TPH as Motor Oil (C17-C44)	110		24	11	mg/Kg		02/28/24 13:02	03/01/24 00:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane (Surr)	*97*		*60 - 138*	*02/28/24 13:02*	*03/01/24 00:59*	*1*

Client Sample ID: CEB2-5'
Date Collected: 02/27/24 08:35
Date Received: 02/27/24 18:20

Lab Sample ID: 570-174146-6
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		4.9	3.8	mg/Kg		02/28/24 13:02	03/01/24 03:34	1
TPH as Motor Oil (C17-C44)	ND		25	11	mg/Kg		02/28/24 13:02	03/01/24 03:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane (Surr)	*92*		*60 - 138*	*02/28/24 13:02*	*03/01/24 03:34*	*1*

Client Sample ID: CEB2-10'
Date Collected: 02/27/24 08:40
Date Received: 02/27/24 18:20

Lab Sample ID: 570-174146-7
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		4.9	3.8	mg/Kg		02/28/24 13:02	03/01/24 03:56	1
TPH as Motor Oil (C17-C44)	ND		25	11	mg/Kg		02/28/24 13:02	03/01/24 03:56	1

Method: SW846 8015B - Diesel Range Organics (DRO) (GC) (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
n-Octacosane (Surr)	93		60 - 138	02/26/24 13:02	03/01/24 03:56	1

Client Sample ID: CEB3-2'
Date Collected: 02/27/24 09:31
Date Received: 02/27/24 18:20

Lab Sample ID: 570-174146-9
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	10		4.9	3.7	mg/Kg		02/26/24 13:02	03/01/24 04:18	1
TPH as Motor Oil (C17-C44)	27		24	11	mg/Kg		02/26/24 13:02	03/01/24 04:18	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
n-Octacosane (Surr)	92		60 - 138	02/26/24 13:02	03/01/24 04:18	1

Client Sample ID: CEB3-5'
Date Collected: 02/27/24 09:35
Date Received: 02/27/24 18:20

Lab Sample ID: 570-174146-10
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		5.0	3.9	mg/Kg		02/26/24 13:02	03/01/24 04:39	1
TPH as Motor Oil (C17-C44)	ND		25	11	mg/Kg		02/26/24 13:02	03/01/24 04:39	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
n-Octacosane (Surr)	90		60 - 138	02/26/24 13:02	03/01/24 04:39	1

Client Sample ID: CEB3-10'
Date Collected: 02/27/24 09:41
Date Received: 02/27/24 18:20

Lab Sample ID: 570-174146-11
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	6.5		4.8	3.7	mg/Kg		02/26/24 13:02	03/01/24 05:02	1
TPH as Motor Oil (C17-C44)	ND		24	11	mg/Kg		02/26/24 13:02	03/01/24 05:02	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
n-Octacosane (Surr)	92		60 - 138	02/26/24 13:02	03/01/24 05:02	1

Client Sample ID: CEB3-15'
Date Collected: 02/27/24 09:45
Date Received: 02/27/24 18:20

Lab Sample ID: 570-174146-12
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	3.8	J	4.9	3.8	mg/Kg		02/26/24 13:02	03/01/24 05:24	1
TPH as Motor Oil (C17-C44)	ND		24	11	mg/Kg		02/26/24 13:02	03/01/24 05:24	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
n-Octacosane (Surr)	92		60 - 138	02/26/24 13:02	03/01/24 05:24	1

Client Sample ID: CEB4-2'
Date Collected: 02/27/24 10:15
Date Received: 02/27/24 18:20

Lab Sample ID: 570-174146-13
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		5.0	3.9	mg/Kg		02/26/24 13:02	03/01/24 05:46	1
TPH as Motor Oil (C17-C44)	ND		25	11	mg/Kg		02/26/24 13:02	03/01/24 05:46	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
n-Octacosane (Surr)	94		60 - 138	02/26/24 13:02	03/01/24 05:46	1

Method: SW846 8015B - Diesel Range Organics (DRO) (GC)

Client Sample ID: CEB4-10'
Date Collected: 02/27/24 10:20
Date Received: 02/27/24 18:20

Lab Sample ID: 570-174146-15
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	6.7		5.1	3.9	mg/Kg		02/28/24 13:02	03/01/24 06:08	1
TPH as Motor Oil (C17-C44)	ND		25	12	mg/Kg		02/28/24 13:02	03/01/24 06:08	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
n-Octacosane (Surr)	95		60 - 138	02/28/24 13:02	03/01/24 06:08	1

Client Sample ID: CEB4-15'
Date Collected: 02/27/24 10:24
Date Received: 02/27/24 18:20

Lab Sample ID: 570-174146-16
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	5.6		5.0	3.9	mg/Kg		02/28/24 13:02	03/01/24 06:30	1
TPH as Motor Oil (C17-C44)	ND		25	11	mg/Kg		02/28/24 13:02	03/01/24 06:30	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
n-Octacosane (Surr)	95		60 - 138	02/28/24 13:02	03/01/24 06:30	1

Client Sample ID: CEB5-2'
Date Collected: 02/27/24 12:01
Date Received: 02/27/24 18:20

Lab Sample ID: 570-174146-17
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	6.5		5.0	3.8	mg/Kg		02/28/24 13:02	03/01/24 06:51	1
TPH as Motor Oil (C17-C44)	ND		25	11	mg/Kg		02/28/24 13:02	03/01/24 06:51	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
n-Octacosane (Surr)	95		60 - 138	02/28/24 13:02	03/01/24 06:51	1

Client Sample ID: CEB5-5'
Date Collected: 02/27/24 12:04
Date Received: 02/27/24 18:20

Lab Sample ID: 570-174146-18
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	31		4.9	3.8	mg/Kg		02/28/24 13:02	03/01/24 07:14	1
TPH as Motor Oil (C17-C44)	39		24	11	mg/Kg		02/28/24 13:02	03/01/24 07:14	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
n-Octacosane (Surr)	95		60 - 138	02/28/24 13:02	03/01/24 07:14	1

Client Sample ID: CEB5-10'
Date Collected: 02/27/24 12:10
Date Received: 02/27/24 18:20

Lab Sample ID: 570-174146-19
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	5.2		4.9	3.8	mg/Kg		02/28/24 13:02	03/01/24 07:36	1
TPH as Motor Oil (C17-C44)	ND		24	11	mg/Kg		02/28/24 13:02	03/01/24 07:36	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
n-Octacosane (Surr)	91		60 - 138	02/28/24 13:02	03/01/24 07:36	1

Client Sample ID: CEB5-15'
Date Collected: 02/27/24 12:15
Date Received: 02/27/24 18:20

Lab Sample ID: 570-174146-20
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		5.0	3.9	mg/Kg		02/28/24 13:02	03/01/24 07:58	1
TPH as Motor Oil (C17-C44)	ND		25	11	mg/Kg		02/28/24 13:02	03/01/24 07:58	1

Method: SW846 8015B - Diesel Range Organics (DRO) (GC) (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
n-Octacosane (Surr)	92		60 - 138	02/26/24 13:02	03/01/24 07:58	1

Client Sample ID: CEB6-2'
Date Collected: 02/27/24 13:01
Date Received: 02/27/24 18:20

Lab Sample ID: 570-174146-21
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		5.0	3.9	mg/Kg		02/26/24 13:02	03/01/24 08:20	1
TPH as Motor Oil (C17-C44)	ND		25	11	mg/Kg		02/26/24 13:02	03/01/24 08:20	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
n-Octacosane (Surr)	90		60 - 138	02/26/24 13:02	03/01/24 08:20	1

Client Sample ID: CEB6-5'
Date Collected: 02/27/24 13:04
Date Received: 02/27/24 18:20

Lab Sample ID: 570-174146-22
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		5.0	3.8	mg/Kg		02/26/24 13:02	03/01/24 08:42	1
TPH as Motor Oil (C17-C44)	ND		25	11	mg/Kg		02/26/24 13:02	03/01/24 08:42	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
n-Octacosane (Surr)	91		60 - 138	02/26/24 13:02	03/01/24 08:42	1

Method: SW846 6010B - Metals (ICP)

Client Sample ID: CEB1-2'
Date Collected: 02/27/24 07:20
Date Received: 02/27/24 18:20

Lab Sample ID: 570-174146-1
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	5.73	J	9.85	2.81	mg/Kg		02/29/24 07:30	03/04/24 14:34	5
Arsenic	15.2		2.96	1.37	mg/Kg		02/29/24 07:30	03/04/24 14:34	5
Barium	122		2.96	0.140	mg/Kg		02/29/24 07:30	03/04/24 14:34	5
Beryllium	0.123	J	0.493	0.0680	mg/Kg		02/29/24 07:30	03/04/24 14:34	5
Cadmium	3.77		0.493	0.162	mg/Kg		02/29/24 07:30	03/04/24 14:34	5
Chromium	16.3		0.985	0.183	mg/Kg		02/29/24 07:30	03/04/24 14:34	5
Cobalt	6.29		0.985	0.203	mg/Kg		02/29/24 07:30	03/04/24 14:34	5
Copper	181		1.97	0.944	mg/Kg		02/29/24 07:30	03/04/24 14:34	5
Lead	275		1.97	0.403	mg/Kg		02/29/24 07:30	03/04/24 14:34	5
Molybdenum	1.77	J	1.97	0.507	mg/Kg		02/29/24 07:30	03/04/24 14:34	5
Nickel	17.0		1.97	0.357	mg/Kg		02/29/24 07:30	03/04/24 14:34	5
Selenium	ND		2.96	1.20	mg/Kg		02/29/24 07:30	03/04/24 14:34	5
Silver	ND		1.48	0.142	mg/Kg		02/29/24 07:30	03/04/24 14:34	5
Thallium	ND		9.85	2.07	mg/Kg		02/29/24 07:30	03/04/24 14:34	5
Vanadium	25.3		0.985	0.166	mg/Kg		02/29/24 07:30	03/04/24 14:34	5
Zinc	1600		4.93	1.14	mg/Kg		02/29/24 07:30	03/04/24 14:34	5

Client Sample ID: CEB1-5'
Date Collected: 02/27/24 07:30
Date Received: 02/27/24 18:20

Lab Sample ID: 570-174146-2
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		10.1	2.87	mg/Kg		02/29/24 07:30	03/04/24 14:36	5
Arsenic	1.86	J	3.02	1.40	mg/Kg		02/29/24 07:30	03/04/24 14:36	5
Barium	91.1		3.02	0.143	mg/Kg		02/29/24 07:30	03/04/24 14:36	5
Beryllium	0.239	J	0.503	0.0693	mg/Kg		02/29/24 07:30	03/04/24 14:36	5
Cadmium	ND		0.503	0.165	mg/Kg		02/29/24 07:30	03/04/24 14:36	5
Chromium	12.9		1.01	0.187	mg/Kg		02/29/24 07:30	03/04/24 14:36	5
Cobalt	5.95		1.01	0.207	mg/Kg		02/29/24 07:30	03/04/24 14:36	5
Copper	14.3		2.01	0.963	mg/Kg		02/29/24 07:30	03/04/24 14:36	5
Lead	21.9		2.01	0.411	mg/Kg		02/29/24 07:30	03/04/24 14:36	5
Molybdenum	0.616	J	2.01	0.518	mg/Kg		02/29/24 07:30	03/04/24 14:36	5
Nickel	8.25		2.01	0.364	mg/Kg		02/29/24 07:30	03/04/24 14:36	5
Selenium	ND		3.02	1.23	mg/Kg		02/29/24 07:30	03/04/24 14:36	5
Silver	ND		1.51	0.145	mg/Kg		02/29/24 07:30	03/04/24 14:36	5
Thallium	ND		10.1	2.12	mg/Kg		02/29/24 07:30	03/04/24 14:36	5
Vanadium	32.3		1.01	0.169	mg/Kg		02/29/24 07:30	03/04/24 14:36	5
Zinc	45.3		5.03	1.16	mg/Kg		02/29/24 07:30	03/04/24 14:36	5

Client Sample ID: CEB1-15'
Date Collected: 02/27/24 07:45
Date Received: 02/27/24 18:20

Lab Sample ID: 570-174146-4
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		9.85	2.81	mg/Kg		02/29/24 07:30	03/04/24 14:43	5
Arsenic	ND		2.96	1.37	mg/Kg		02/29/24 07:30	03/04/24 14:43	5
Barium	47.0		2.96	0.140	mg/Kg		02/29/24 07:30	03/04/24 14:43	5
Beryllium	0.148	J	0.493	0.0680	mg/Kg		02/29/24 07:30	03/04/24 14:43	5
Cadmium	ND		0.493	0.162	mg/Kg		02/29/24 07:30	03/04/24 14:43	5
Chromium	7.70		0.985	0.183	mg/Kg		02/29/24 07:30	03/04/24 14:43	5
Cobalt	4.11		0.985	0.203	mg/Kg		02/29/24 07:30	03/04/24 14:43	5
Copper	5.69		1.97	0.944	mg/Kg		02/29/24 07:30	03/04/24 14:43	5

Method: SW846 6010B - Metals (ICP) (Continued)

Client Sample ID: CEB1-15'
Date Collected: 02/27/24 07:45
Date Received: 02/27/24 18:20

Lab Sample ID: 570-174146-4
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	1.53	J	1.97	0.403	mg/Kg		02/29/24 07:30	03/04/24 14:43	5
Molybdenum	0.825	J	1.97	0.507	mg/Kg		02/29/24 07:30	03/04/24 14:43	5
Nickel	4.06		1.97	0.357	mg/Kg		02/29/24 07:30	03/04/24 14:43	5
Selenium	ND		2.96	1.20	mg/Kg		02/29/24 07:30	03/04/24 14:43	5
Silver	ND		1.48	0.142	mg/Kg		02/29/24 07:30	03/04/24 14:43	5
Thallium	ND		9.85	2.07	mg/Kg		02/29/24 07:30	03/04/24 14:43	5
Vanadium	21.6		0.985	0.166	mg/Kg		02/29/24 07:30	03/04/24 14:43	5
Zinc	22.6		4.93	1.14	mg/Kg		02/29/24 07:30	03/04/24 14:43	5

Client Sample ID: CEB2-2'
Date Collected: 02/27/24 08:30
Date Received: 02/27/24 18:20

Lab Sample ID: 570-174146-5
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		10.0	2.86	mg/Kg		02/29/24 07:30	03/04/24 17:38	5
Arsenic	3.05		3.00	1.39	mg/Kg		02/29/24 07:30	03/04/24 17:38	5
Barium	40.3		3.00	0.142	mg/Kg		02/29/24 07:30	03/04/24 17:38	5
Beryllium	0.288	J	0.500	0.0690	mg/Kg		02/29/24 07:30	03/04/24 17:38	5
Cadmium	ND		0.500	0.164	mg/Kg		02/29/24 07:30	03/04/24 17:38	5
Chromium	17.0		1.00	0.186	mg/Kg		02/29/24 07:30	03/04/24 17:38	5
Cobalt	4.84		1.00	0.206	mg/Kg		02/29/24 07:30	03/04/24 17:38	5
Copper	43.4		2.00	0.958	mg/Kg		02/29/24 07:30	03/04/24 17:38	5
Lead	31.2		2.00	0.409	mg/Kg		02/29/24 07:30	03/04/24 17:38	5
Molybdenum	0.550	J	2.00	0.515	mg/Kg		02/29/24 07:30	03/04/24 17:38	5
Nickel	11.6		2.00	0.362	mg/Kg		02/29/24 07:30	03/04/24 17:38	5
Selenium	ND		3.00	1.22	mg/Kg		02/29/24 07:30	03/04/24 17:38	5
Silver	ND		1.50	0.144	mg/Kg		02/29/24 07:30	03/04/24 17:38	5
Thallium	ND		10.0	2.11	mg/Kg		02/29/24 07:30	03/04/24 17:38	5
Vanadium	19.8		1.00	0.168	mg/Kg		02/29/24 07:30	03/04/24 17:38	5
Zinc	55.1		5.00	1.16	mg/Kg		02/29/24 07:30	03/04/24 17:38	5

Client Sample ID: CEB2-5'
Date Collected: 02/27/24 08:35
Date Received: 02/27/24 18:20

Lab Sample ID: 570-174146-6
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		9.85	2.81	mg/Kg		02/29/24 07:30	03/04/24 17:40	5
Arsenic	ND		2.96	1.37	mg/Kg		02/29/24 07:30	03/04/24 17:40	5
Barium	38.0		2.96	0.140	mg/Kg		02/29/24 07:30	03/04/24 17:40	5
Beryllium	0.197	J	0.493	0.0680	mg/Kg		02/29/24 07:30	03/04/24 17:40	5
Cadmium	ND		0.493	0.162	mg/Kg		02/29/24 07:30	03/04/24 17:40	5
Chromium	4.52		0.985	0.183	mg/Kg		02/29/24 07:30	03/04/24 17:40	5
Cobalt	2.59		0.985	0.203	mg/Kg		02/29/24 07:30	03/04/24 17:40	5
Copper	5.59		1.97	0.944	mg/Kg		02/29/24 07:30	03/04/24 17:40	5
Lead	5.67		1.97	0.403	mg/Kg		02/29/24 07:30	03/04/24 17:40	5
Molybdenum	ND		1.97	0.507	mg/Kg		02/29/24 07:30	03/04/24 17:40	5
Nickel	11.3		1.97	0.357	mg/Kg		02/29/24 07:30	03/04/24 17:40	5
Selenium	1.27	J	2.96	1.20	mg/Kg		02/29/24 07:30	03/04/24 17:40	5
Silver	ND		1.48	0.142	mg/Kg		02/29/24 07:30	03/04/24 17:40	5
Thallium	ND		9.85	2.07	mg/Kg		02/29/24 07:30	03/04/24 17:40	5
Vanadium	17.4		0.985	0.166	mg/Kg		02/29/24 07:30	03/04/24 17:40	5
Zinc	19.9		4.93	1.14	mg/Kg		02/29/24 07:30	03/04/24 17:40	5

Method: SW846 6010B - Metals (ICP)

Client Sample ID: CEB2-10'
Date Collected: 02/27/24 08:40
Date Received: 02/27/24 18:20

Lab Sample ID: 570-174146-7
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND	F1	9.80	2.80	mg/Kg		02/29/24 07:30	03/04/24 13:52	5
Arsenic	ND		2.94	1.36	mg/Kg		02/29/24 07:30	03/04/24 13:52	5
Barium	**65.4**		2.94	0.139	mg/Kg		02/29/24 07:30	03/04/24 13:52	5
Beryllium	**0.196**	**J**	0.490	0.0676	mg/Kg		02/29/24 07:30	03/04/24 13:52	5
Cadmium	ND		0.490	0.161	mg/Kg		02/29/24 07:30	03/04/24 13:52	5
Chromium	**9.44**		0.980	0.182	mg/Kg		02/29/24 07:30	03/04/24 13:52	5
Cobalt	**4.71**		0.980	0.202	mg/Kg		02/29/24 07:30	03/04/24 13:52	5
Copper	**8.47**		1.96	0.939	mg/Kg		02/29/24 07:30	03/04/24 13:52	5
Lead	**1.91**	**J**	1.96	0.401	mg/Kg		02/29/24 07:30	03/04/24 13:52	5
Molybdenum	ND		1.96	0.505	mg/Kg		02/29/24 07:30	03/04/24 13:52	5
Nickel	**5.87**		1.96	0.355	mg/Kg		02/29/24 07:30	03/04/24 13:52	5
Selenium	ND		2.94	1.20	mg/Kg		02/29/24 07:30	03/04/24 13:52	5
Silver	ND		1.47	0.141	mg/Kg		02/29/24 07:30	03/04/24 13:52	5
Thallium	ND		9.80	2.06	mg/Kg		02/29/24 07:30	03/04/24 13:52	5
Vanadium	**25.4**		0.980	0.165	mg/Kg		02/29/24 07:30	03/04/24 13:52	5
Zinc	**28.8**		4.90	1.13	mg/Kg		02/29/24 07:30	03/04/24 13:52	5

Client Sample ID: CEB3-2'
Date Collected: 02/27/24 09:31
Date Received: 02/27/24 18:20

Lab Sample ID: 570-174146-9
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		9.90	2.83	mg/Kg		02/29/24 07:30	03/04/24 17:43	5
Arsenic	ND		2.97	1.38	mg/Kg		02/29/24 07:30	03/04/24 17:43	5
Barium	**80.0**		2.97	0.141	mg/Kg		02/29/24 07:30	03/04/24 17:43	5
Beryllium	**0.421**	**J**	0.495	0.0683	mg/Kg		02/29/24 07:30	03/04/24 17:43	5
Cadmium	ND		0.495	0.162	mg/Kg		02/29/24 07:30	03/04/24 17:43	5
Chromium	**11.8**		0.990	0.184	mg/Kg		02/29/24 07:30	03/04/24 17:43	5
Cobalt	**5.52**		0.990	0.204	mg/Kg		02/29/24 07:30	03/04/24 17:43	5
Copper	**17.1**		1.98	0.949	mg/Kg		02/29/24 07:30	03/04/24 17:43	5
Lead	**5.64**		1.98	0.405	mg/Kg		02/29/24 07:30	03/04/24 17:43	5
Molybdenum	**0.681**	**J**	1.98	0.510	mg/Kg		02/29/24 07:30	03/04/24 17:43	5
Nickel	**8.00**		1.98	0.358	mg/Kg		02/29/24 07:30	03/04/24 17:43	5
Selenium	ND		2.97	1.21	mg/Kg		02/29/24 07:30	03/04/24 17:43	5
Silver	ND		1.49	0.143	mg/Kg		02/29/24 07:30	03/04/24 17:43	5
Thallium	ND		9.90	2.09	mg/Kg		02/29/24 07:30	03/04/24 17:43	5
Vanadium	**29.1**		0.990	0.166	mg/Kg		02/29/24 07:30	03/04/24 17:43	5
Zinc	**36.7**		4.95	1.14	mg/Kg		02/29/24 07:30	03/04/24 17:43	5

Client Sample ID: CEB3-5'
Date Collected: 02/27/24 09:35
Date Received: 02/27/24 18:20

Lab Sample ID: 570-174146-10
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		9.80	2.80	mg/Kg		02/29/24 07:30	03/04/24 17:45	5
Arsenic	ND		2.94	1.36	mg/Kg		02/29/24 07:30	03/04/24 17:45	5
Barium	**65.5**		2.94	0.139	mg/Kg		02/29/24 07:30	03/04/24 17:45	5
Beryllium	**0.331**	**J**	0.490	0.0676	mg/Kg		02/29/24 07:30	03/04/24 17:45	5
Cadmium	ND		0.490	0.161	mg/Kg		02/29/24 07:30	03/04/24 17:45	5
Chromium	**10.0**		0.980	0.182	mg/Kg		02/29/24 07:30	03/04/24 17:45	5
Cobalt	**4.61**		0.980	0.202	mg/Kg		02/29/24 07:30	03/04/24 17:45	5
Copper	**10.6**		1.96	0.939	mg/Kg		02/29/24 07:30	03/04/24 17:45	5

Method: SW846 6010B - Metals (ICP) (Continued)

Client Sample ID: CEB3-5'
Date Collected: 02/27/24 09:35
Date Received: 02/27/24 18:20

Lab Sample ID: 570-174146-10
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	3.00		1.96	0.401	mg/Kg		02/29/24 07:30	03/04/24 17:45	5
Molybdenum	ND		1.96	0.505	mg/Kg		02/29/24 07:30	03/04/24 17:45	5
Nickel	6.57		1.96	0.355	mg/Kg		02/29/24 07:30	03/04/24 17:45	5
Selenium	ND		2.94	1.20	mg/Kg		02/29/24 07:30	03/04/24 17:45	5
Silver	ND		1.47	0.141	mg/Kg		02/29/24 07:30	03/04/24 17:45	5
Thallium	ND		9.80	2.06	mg/Kg		02/29/24 07:30	03/04/24 17:45	5
Vanadium	26.9		0.980	0.165	mg/Kg		02/29/24 07:30	03/04/24 17:45	5
Zinc	31.8		4.90	1.13	mg/Kg		02/29/24 07:30	03/04/24 17:45	5

Client Sample ID: CEB3-10'
Date Collected: 02/27/24 09:41
Date Received: 02/27/24 18:20

Lab Sample ID: 570-174146-11
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		9.90	2.83	mg/Kg		02/29/24 07:30	03/04/24 17:48	5
Arsenic	1.71	J	2.97	1.38	mg/Kg		02/29/24 07:30	03/04/24 17:48	5
Barium	82.3		2.97	0.141	mg/Kg		02/29/24 07:30	03/04/24 17:48	5
Beryllium	0.408	J	0.495	0.0683	mg/Kg		02/29/24 07:30	03/04/24 17:48	5
Cadmium	ND		0.495	0.162	mg/Kg		02/29/24 07:30	03/04/24 17:48	5
Chromium	11.3		0.990	0.184	mg/Kg		02/29/24 07:30	03/04/24 17:48	5
Cobalt	5.33		0.990	0.204	mg/Kg		02/29/24 07:30	03/04/24 17:48	5
Copper	13.3		1.98	0.949	mg/Kg		02/29/24 07:30	03/04/24 17:48	5
Lead	2.78		1.98	0.405	mg/Kg		02/29/24 07:30	03/04/24 17:48	5
Molybdenum	ND		1.98	0.510	mg/Kg		02/29/24 07:30	03/04/24 17:48	5
Nickel	7.59		1.98	0.358	mg/Kg		02/29/24 07:30	03/04/24 17:48	5
Selenium	ND		2.97	1.21	mg/Kg		02/29/24 07:30	03/04/24 17:48	5
Silver	ND		1.49	0.143	mg/Kg		02/29/24 07:30	03/04/24 17:48	5
Thallium	ND		9.90	2.09	mg/Kg		02/29/24 07:30	03/04/24 17:48	5
Vanadium	28.5		0.990	0.166	mg/Kg		02/29/24 07:30	03/04/24 17:48	5
Zinc	34.5		4.95	1.14	mg/Kg		02/29/24 07:30	03/04/24 17:48	5

Client Sample ID: CEB3-15'
Date Collected: 02/27/24 09:45
Date Received: 02/27/24 18:20

Lab Sample ID: 570-174146-12
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		9.95	2.84	mg/Kg		02/29/24 07:30	03/04/24 17:50	5
Arsenic	ND		2.99	1.38	mg/Kg		02/29/24 07:30	03/04/24 17:50	5
Barium	28.1		2.99	0.141	mg/Kg		02/29/24 07:30	03/04/24 17:50	5
Beryllium	0.174	J	0.498	0.0687	mg/Kg		02/29/24 07:30	03/04/24 17:50	5
Cadmium	ND		0.498	0.163	mg/Kg		02/29/24 07:30	03/04/24 17:50	5
Chromium	3.31		0.995	0.185	mg/Kg		02/29/24 07:30	03/04/24 17:50	5
Cobalt	1.77		0.995	0.205	mg/Kg		02/29/24 07:30	03/04/24 17:50	5
Copper	3.51		1.99	0.953	mg/Kg		02/29/24 07:30	03/04/24 17:50	5
Lead	1.42	J	1.99	0.407	mg/Kg		02/29/24 07:30	03/04/24 17:50	5
Molybdenum	ND		1.99	0.512	mg/Kg		02/29/24 07:30	03/04/24 17:50	5
Nickel	1.97	J	1.99	0.360	mg/Kg		02/29/24 07:30	03/04/24 17:50	5
Selenium	ND		2.99	1.22	mg/Kg		02/29/24 07:30	03/04/24 17:50	5
Silver	ND		1.49	0.143	mg/Kg		02/29/24 07:30	03/04/24 17:50	5
Thallium	ND		9.95	2.10	mg/Kg		02/29/24 07:30	03/04/24 17:50	5
Vanadium	10.8		0.995	0.167	mg/Kg		02/29/24 07:30	03/04/24 17:50	5
Zinc	13.2		4.98	1.15	mg/Kg		02/29/24 07:30	03/04/24 17:50	5

Method: SW846 6010B - Metals (ICP)

Client Sample ID: CEB4-2'
Date Collected: 02/27/24 10:15
Date Received: 02/27/24 18:20

Lab Sample ID: 570-174146-13
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		9.85	2.81	mg/Kg		02/29/24 07:30	03/04/24 17:53	5
Arsenic	ND		2.96	1.37	mg/Kg		02/29/24 07:30	03/04/24 17:53	5
Barium	**56.1**		2.96	0.140	mg/Kg		02/29/24 07:30	03/04/24 17:53	5
Beryllium	**0.308**	**J**	0.493	0.0680	mg/Kg		02/29/24 07:30	03/04/24 17:53	5
Cadmium	ND		0.493	0.162	mg/Kg		02/29/24 07:30	03/04/24 17:53	5
Chromium	**8.55**		0.985	0.183	mg/Kg		02/29/24 07:30	03/04/24 17:53	5
Cobalt	**4.04**		0.985	0.203	mg/Kg		02/29/24 07:30	03/04/24 17:53	5
Copper	**9.42**		1.97	0.944	mg/Kg		02/29/24 07:30	03/04/24 17:53	5
Lead	**2.34**		1.97	0.403	mg/Kg		02/29/24 07:30	03/04/24 17:53	5
Molybdenum	ND		1.97	0.507	mg/Kg		02/29/24 07:30	03/04/24 17:53	5
Nickel	**5.52**		1.97	0.357	mg/Kg		02/29/24 07:30	03/04/24 17:53	5
Selenium	ND		2.96	1.20	mg/Kg		02/29/24 07:30	03/04/24 17:53	5
Silver	ND		1.48	0.142	mg/Kg		02/29/24 07:30	03/04/24 17:53	5
Thallium	ND		9.85	2.07	mg/Kg		02/29/24 07:30	03/04/24 17:53	5
Vanadium	**25.6**		0.985	0.166	mg/Kg		02/29/24 07:30	03/04/24 17:53	5
Zinc	**27.9**		4.93	1.14	mg/Kg		02/29/24 07:30	03/04/24 17:53	5

Client Sample ID: CEB4-10'
Date Collected: 02/27/24 10:20
Date Received: 02/27/24 18:20

Lab Sample ID: 570-174146-15
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		9.85	2.81	mg/Kg		02/29/24 07:30	03/04/24 17:55	5
Arsenic	ND		2.96	1.37	mg/Kg		02/29/24 07:30	03/04/24 17:55	5
Barium	**75.3**		2.96	0.140	mg/Kg		02/29/24 07:30	03/04/24 17:55	5
Beryllium	**0.369**	**J**	0.493	0.0680	mg/Kg		02/29/24 07:30	03/04/24 17:55	5
Cadmium	ND		0.493	0.162	mg/Kg		02/29/24 07:30	03/04/24 17:55	5
Chromium	**10.8**		0.985	0.183	mg/Kg		02/29/24 07:30	03/04/24 17:55	5
Cobalt	**5.02**		0.985	0.203	mg/Kg		02/29/24 07:30	03/04/24 17:55	5
Copper	**11.8**		1.97	0.944	mg/Kg		02/29/24 07:30	03/04/24 17:55	5
Lead	**2.50**		1.97	0.403	mg/Kg		02/29/24 07:30	03/04/24 17:55	5
Molybdenum	ND		1.97	0.507	mg/Kg		02/29/24 07:30	03/04/24 17:55	5
Nickel	**7.09**		1.97	0.357	mg/Kg		02/29/24 07:30	03/04/24 17:55	5
Selenium	ND		2.96	1.20	mg/Kg		02/29/24 07:30	03/04/24 17:55	5
Silver	ND		1.48	0.142	mg/Kg		02/29/24 07:30	03/04/24 17:55	5
Thallium	ND		9.85	2.07	mg/Kg		02/29/24 07:30	03/04/24 17:55	5
Vanadium	**28.5**		0.985	0.166	mg/Kg		02/29/24 07:30	03/04/24 17:55	5
Zinc	**32.7**		4.93	1.14	mg/Kg		02/29/24 07:30	03/04/24 17:55	5

Client Sample ID: CEB4-15'
Date Collected: 02/27/24 10:24
Date Received: 02/27/24 18:20

Lab Sample ID: 570-174146-16
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		10.1	2.87	mg/Kg		02/29/24 07:30	03/04/24 17:58	5
Arsenic	ND		3.02	1.40	mg/Kg		02/29/24 07:30	03/04/24 17:58	5
Barium	**34.1**		3.02	0.143	mg/Kg		02/29/24 07:30	03/04/24 17:58	5
Beryllium	**0.201**	**J**	0.503	0.0693	mg/Kg		02/29/24 07:30	03/04/24 17:58	5
Cadmium	ND		0.503	0.165	mg/Kg		02/29/24 07:30	03/04/24 17:58	5
Chromium	**5.00**		1.01	0.187	mg/Kg		02/29/24 07:30	03/04/24 17:58	5
Cobalt	**2.30**		1.01	0.207	mg/Kg		02/29/24 07:30	03/04/24 17:58	5
Copper	**4.47**		2.01	0.963	mg/Kg		02/29/24 07:30	03/04/24 17:58	5

Method: SW846 6010B - Metals (ICP) (Continued)

Client Sample ID: CEB4-15'
Date Collected: 02/27/24 10:24
Date Received: 02/27/24 18:20

Lab Sample ID: 570-174146-16
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	1.18	J	2.01	0.411	mg/Kg		02/29/24 07:30	03/04/24 17:58	5
Molybdenum	ND		2.01	0.518	mg/Kg		02/29/24 07:30	03/04/24 17:58	5
Nickel	2.45		2.01	0.364	mg/Kg		02/29/24 07:30	03/04/24 17:58	5
Selenium	ND		3.02	1.23	mg/Kg		02/29/24 07:30	03/04/24 17:58	5
Silver	ND		1.51	0.145	mg/Kg		02/29/24 07:30	03/04/24 17:58	5
Thallium	ND		10.1	2.12	mg/Kg		02/29/24 07:30	03/04/24 17:58	5
Vanadium	16.3		1.01	0.169	mg/Kg		02/29/24 07:30	03/04/24 17:58	5
Zinc	15.2		5.03	1.16	mg/Kg		02/29/24 07:30	03/04/24 17:58	5

Client Sample ID: CEB5-2'
Date Collected: 02/27/24 12:01
Date Received: 02/27/24 18:20

Lab Sample ID: 570-174146-17
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		9.90	2.83	mg/Kg		02/29/24 07:30	03/04/24 18:07	5
Arsenic	ND		2.97	1.38	mg/Kg		02/29/24 07:30	03/04/24 18:07	5
Barium	55.8		2.97	0.141	mg/Kg		02/29/24 07:30	03/04/24 18:07	5
Beryllium	0.309	J	0.495	0.0683	mg/Kg		02/29/24 07:30	03/04/24 18:07	5
Cadmium	ND		0.495	0.162	mg/Kg		02/29/24 07:30	03/04/24 18:07	5
Chromium	9.31		0.990	0.184	mg/Kg		02/29/24 07:30	03/04/24 18:07	5
Cobalt	4.10		0.990	0.204	mg/Kg		02/29/24 07:30	03/04/24 18:07	5
Copper	15.1		1.98	0.949	mg/Kg		02/29/24 07:30	03/04/24 18:07	5
Lead	71.0		1.98	0.405	mg/Kg		02/29/24 07:30	03/04/24 18:07	5
Molybdenum	0.532	J	1.98	0.510	mg/Kg		02/29/24 07:30	03/04/24 18:07	5
Nickel	6.01		1.98	0.358	mg/Kg		02/29/24 07:30	03/04/24 18:07	5
Selenium	ND		2.97	1.21	mg/Kg		02/29/24 07:30	03/04/24 18:07	5
Silver	ND		1.49	0.143	mg/Kg		02/29/24 07:30	03/04/24 18:07	5
Thallium	ND		9.90	2.09	mg/Kg		02/29/24 07:30	03/04/24 18:07	5
Vanadium	25.1		0.990	0.166	mg/Kg		02/29/24 07:30	03/04/24 18:07	5
Zinc	39.5		4.95	1.14	mg/Kg		02/29/24 07:30	03/04/24 18:07	5

Client Sample ID: CEB5-5'
Date Collected: 02/27/24 12:04
Date Received: 02/27/24 18:20

Lab Sample ID: 570-174146-18
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		9.90	2.83	mg/Kg		02/29/24 07:30	03/04/24 18:10	5
Arsenic	ND		2.97	1.38	mg/Kg		02/29/24 07:30	03/04/24 18:10	5
Barium	67.7		2.97	0.141	mg/Kg		02/29/24 07:30	03/04/24 18:10	5
Beryllium	0.309	J	0.495	0.0683	mg/Kg		02/29/24 07:30	03/04/24 18:10	5
Cadmium	ND		0.495	0.162	mg/Kg		02/29/24 07:30	03/04/24 18:10	5
Chromium	9.80		0.990	0.184	mg/Kg		02/29/24 07:30	03/04/24 18:10	5
Cobalt	4.65		0.990	0.204	mg/Kg		02/29/24 07:30	03/04/24 18:10	5
Copper	10.5		1.98	0.949	mg/Kg		02/29/24 07:30	03/04/24 18:10	5
Lead	1.92	J	1.98	0.405	mg/Kg		02/29/24 07:30	03/04/24 18:10	5
Molybdenum	ND		1.98	0.510	mg/Kg		02/29/24 07:30	03/04/24 18:10	5
Nickel	6.34		1.98	0.358	mg/Kg		02/29/24 07:30	03/04/24 18:10	5
Selenium	ND		2.97	1.21	mg/Kg		02/29/24 07:30	03/04/24 18:10	5
Silver	ND		1.49	0.143	mg/Kg		02/29/24 07:30	03/04/24 18:10	5
Thallium	ND		9.90	2.09	mg/Kg		02/29/24 07:30	03/04/24 18:10	5
Vanadium	26.7		0.990	0.166	mg/Kg		02/29/24 07:30	03/04/24 18:10	5
Zinc	29.5		4.95	1.14	mg/Kg		02/29/24 07:30	03/04/24 18:10	5

Method: SW846 6010B - Metals (ICP)

Client Sample ID: CEB5-10'
Date Collected: 02/27/24 12:10
Date Received: 02/27/24 18:20

Lab Sample ID: 570-174146-19
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		9.80	2.80	mg/Kg		02/29/24 07:30	03/04/24 18:12	5
Arsenic	ND		2.94	1.36	mg/Kg		02/29/24 07:30	03/04/24 18:12	5
Barium	26.9		2.94	0.139	mg/Kg		02/29/24 07:30	03/04/24 18:12	5
Beryllium	0.196	J	0.490	0.0676	mg/Kg		02/29/24 07:30	03/04/24 18:12	5
Cadmium	ND		0.490	0.161	mg/Kg		02/29/24 07:30	03/04/24 18:12	5
Chromium	3.85		0.980	0.182	mg/Kg		02/29/24 07:30	03/04/24 18:12	5
Cobalt	2.02		0.980	0.202	mg/Kg		02/29/24 07:30	03/04/24 18:12	5
Copper	4.71		1.96	0.939	mg/Kg		02/29/24 07:30	03/04/24 18:12	5
Lead	1.41	J	1.96	0.401	mg/Kg		02/29/24 07:30	03/04/24 18:12	5
Molybdenum	ND		1.96	0.505	mg/Kg		02/29/24 07:30	03/04/24 18:12	5
Nickel	2.52		1.96	0.355	mg/Kg		02/29/24 07:30	03/04/24 18:12	5
Selenium	ND		2.94	1.20	mg/Kg		02/29/24 07:30	03/04/24 18:12	5
Silver	ND		1.47	0.141	mg/Kg		02/29/24 07:30	03/04/24 18:12	5
Thallium	ND		9.80	2.06	mg/Kg		02/29/24 07:30	03/04/24 18:12	5
Vanadium	10.9		0.980	0.165	mg/Kg		02/29/24 07:30	03/04/24 18:12	5
Zinc	13.7		4.90	1.13	mg/Kg		02/29/24 07:30	03/04/24 18:12	5

Client Sample ID: CEB5-15'
Date Collected: 02/27/24 12:15
Date Received: 02/27/24 18:20

Lab Sample ID: 570-174146-20
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		9.80	2.80	mg/Kg		02/29/24 07:30	03/04/24 18:15	5
Arsenic	ND		2.94	1.36	mg/Kg		02/29/24 07:30	03/04/24 18:15	5
Barium	24.5		2.94	0.139	mg/Kg		02/29/24 07:30	03/04/24 18:15	5
Beryllium	0.172	J	0.490	0.0676	mg/Kg		02/29/24 07:30	03/04/24 18:15	5
Cadmium	ND		0.490	0.161	mg/Kg		02/29/24 07:30	03/04/24 18:15	5
Chromium	3.28		0.980	0.182	mg/Kg		02/29/24 07:30	03/04/24 18:15	5
Cobalt	1.85		0.980	0.202	mg/Kg		02/29/24 07:30	03/04/24 18:15	5
Copper	3.95		1.96	0.939	mg/Kg		02/29/24 07:30	03/04/24 18:15	5
Lead	1.18	J	1.96	0.401	mg/Kg		02/29/24 07:30	03/04/24 18:15	5
Molybdenum	ND		1.96	0.505	mg/Kg		02/29/24 07:30	03/04/24 18:15	5
Nickel	2.00		1.96	0.355	mg/Kg		02/29/24 07:30	03/04/24 18:15	5
Selenium	ND		2.94	1.20	mg/Kg		02/29/24 07:30	03/04/24 18:15	5
Silver	ND		1.47	0.141	mg/Kg		02/29/24 07:30	03/04/24 18:15	5
Thallium	ND		9.80	2.06	mg/Kg		02/29/24 07:30	03/04/24 18:15	5
Vanadium	10.6		0.980	0.165	mg/Kg		02/29/24 07:30	03/04/24 18:15	5
Zinc	11.6		4.90	1.13	mg/Kg		02/29/24 07:30	03/04/24 18:15	5

Client Sample ID: CEB6-2'
Date Collected: 02/27/24 13:01
Date Received: 02/27/24 18:20

Lab Sample ID: 570-174146-21
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		10.1	2.87	mg/Kg		02/29/24 07:30	03/04/24 18:17	5
Arsenic	ND		3.02	1.40	mg/Kg		02/29/24 07:30	03/04/24 18:17	5
Barium	59.2		3.02	0.143	mg/Kg		02/29/24 07:30	03/04/24 18:17	5
Beryllium	0.289	J	0.503	0.0693	mg/Kg		02/29/24 07:30	03/04/24 18:17	5
Cadmium	ND		0.503	0.165	mg/Kg		02/29/24 07:30	03/04/24 18:17	5
Chromium	8.74		1.01	0.187	mg/Kg		02/29/24 07:30	03/04/24 18:17	5
Cobalt	3.99		1.01	0.207	mg/Kg		02/29/24 07:30	03/04/24 18:17	5
Copper	9.97		2.01	0.963	mg/Kg		02/29/24 07:30	03/04/24 18:17	5

Method: SW846 6010B - Metals (ICP) (Continued)

Client Sample ID: CEB6-2'
Date Collected: 02/27/24 13:01
Date Received: 02/27/24 18:20

Lab Sample ID: 570-174146-21
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	**4.86**		2.01	0.411	mg/Kg		02/29/24 07:30	03/04/24 18:17	5
Molybdenum	ND		2.01	0.518	mg/Kg		02/29/24 07:30	03/04/24 18:17	5
Nickel	**5.69**		2.01	0.364	mg/Kg		02/29/24 07:30	03/04/24 18:17	5
Selenium	ND		3.02	1.23	mg/Kg		02/29/24 07:30	03/04/24 18:17	5
Silver	ND		1.51	0.145	mg/Kg		02/29/24 07:30	03/04/24 18:17	5
Thallium	ND		10.1	2.12	mg/Kg		02/29/24 07:30	03/04/24 18:17	5
Vanadium	**23.4**		1.01	0.169	mg/Kg		02/29/24 07:30	03/04/24 18:17	5
Zinc	**28.1**		5.03	1.16	mg/Kg		02/29/24 07:30	03/04/24 18:17	5

Client Sample ID: CEB6-5'
Date Collected: 02/27/24 13:04
Date Received: 02/27/24 18:20

Lab Sample ID: 570-174146-22
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		9.85	2.81	mg/Kg		02/29/24 07:30	03/04/24 18:19	5
Arsenic	**2.40**	**J**	2.96	1.37	mg/Kg		02/29/24 07:30	03/04/24 18:19	5
Barium	**114**		2.96	0.140	mg/Kg		02/29/24 07:30	03/04/24 18:19	5
Beryllium	**0.530**		0.493	0.0680	mg/Kg		02/29/24 07:30	03/04/24 18:19	5
Cadmium	ND		0.493	0.162	mg/Kg		02/29/24 07:30	03/04/24 18:19	5
Chromium	**16.6**		0.985	0.183	mg/Kg		02/29/24 07:30	03/04/24 18:19	5
Cobalt	**7.65**		0.985	0.203	mg/Kg		02/29/24 07:30	03/04/24 18:19	5
Copper	**19.3**		1.97	0.944	mg/Kg		02/29/24 07:30	03/04/24 18:19	5
Lead	**3.53**		1.97	0.403	mg/Kg		02/29/24 07:30	03/04/24 18:19	5
Molybdenum	ND		1.97	0.507	mg/Kg		02/29/24 07:30	03/04/24 18:19	5
Nickel	**11.3**		1.97	0.357	mg/Kg		02/29/24 07:30	03/04/24 18:19	5
Selenium	ND		2.96	1.20	mg/Kg		02/29/24 07:30	03/04/24 18:19	5
Silver	ND		1.48	0.142	mg/Kg		02/29/24 07:30	03/04/24 18:19	5
Thallium	ND		9.85	2.07	mg/Kg		02/29/24 07:30	03/04/24 18:19	5
Vanadium	**39.5**		0.985	0.166	mg/Kg		02/29/24 07:30	03/04/24 18:19	5
Zinc	**51.6**		4.93	1.14	mg/Kg		02/29/24 07:30	03/04/24 18:19	5

Method: SW846 7471A - Mercury (CVAA)

Client Sample ID: CEB1-2'
Date Collected: 02/27/24 07:20
Date Received: 02/27/24 18:20
Lab Sample ID: 570-174146-1
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.425		0.0833	0.0220	mg/Kg		02/28/24 15:58	02/29/24 13:40	1

Client Sample ID: CEB1-5'
Date Collected: 02/27/24 07:30
Date Received: 02/27/24 18:20
Lab Sample ID: 570-174146-2
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.285		0.0850	0.0224	mg/Kg		02/28/24 15:58	02/29/24 13:42	1

Client Sample ID: CEB1-15'
Date Collected: 02/27/24 07:45
Date Received: 02/27/24 18:20
Lab Sample ID: 570-174146-4
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.0648	J	0.0801	0.0212	mg/Kg		02/28/24 15:58	02/29/24 13:44	1

Client Sample ID: CEB2-2'
Date Collected: 02/27/24 08:30
Date Received: 02/27/24 18:20
Lab Sample ID: 570-174146-5
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.282		0.0786	0.0208	mg/Kg		02/28/24 15:58	02/29/24 13:46	1

Client Sample ID: CEB2-5'
Date Collected: 02/27/24 08:35
Date Received: 02/27/24 18:20
Lab Sample ID: 570-174146-6
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.182		0.0850	0.0224	mg/Kg		02/28/24 15:58	02/29/24 13:48	1

Client Sample ID: CEB2-10'
Date Collected: 02/27/24 08:40
Date Received: 02/27/24 18:20
Lab Sample ID: 570-174146-7
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.0355	J	0.0833	0.0220	mg/Kg		02/28/24 15:58	02/29/24 13:34	1

Client Sample ID: CEB3-2'
Date Collected: 02/27/24 09:31
Date Received: 02/27/24 18:20
Lab Sample ID: 570-174146-9
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.105		0.0801	0.0212	mg/Kg		02/28/24 15:58	02/29/24 15:15	1

Client Sample ID: CEB3-5'
Date Collected: 02/27/24 09:35
Date Received: 02/27/24 18:20
Lab Sample ID: 570-174146-10
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.220		0.0833	0.0220	mg/Kg		02/28/24 15:58	02/29/24 15:17	1

Client Sample ID: CEB3-10'
Date Collected: 02/27/24 09:41
Date Received: 02/27/24 18:20
Lab Sample ID: 570-174146-11
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.0516	J	0.0833	0.0220	mg/Kg		02/28/24 15:58	02/29/24 15:19	1

Method: SW846 7471A - Mercury (CVAA)

Client Sample ID: CEB3-15'
Date Collected: 02/27/24 09:45
Date Received: 02/27/24 18:20

Lab Sample ID: 570-174146-12
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.0389	J	0.0801	0.0212	mg/Kg		02/28/24 15:58	02/29/24 15:21	1

Client Sample ID: CEB4-2'
Date Collected: 02/27/24 10:15
Date Received: 02/27/24 18:20

Lab Sample ID: 570-174146-13
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.0652	J	0.0850	0.0224	mg/Kg		02/28/24 15:58	02/29/24 15:23	1

Client Sample ID: CEB4-10'
Date Collected: 02/27/24 10:20
Date Received: 02/27/24 18:20

Lab Sample ID: 570-174146-15
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.0554	J	0.0817	0.0216	mg/Kg		02/28/24 15:58	02/29/24 15:25	1

Client Sample ID: CEB4-15'
Date Collected: 02/27/24 10:24
Date Received: 02/27/24 18:20

Lab Sample ID: 570-174146-16
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.0596	J	0.0801	0.0212	mg/Kg		02/28/24 15:58	02/29/24 15:27	1

Client Sample ID: CEB5-2'
Date Collected: 02/27/24 12:01
Date Received: 02/27/24 18:20

Lab Sample ID: 570-174146-17
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.112		0.0850	0.0224	mg/Kg		02/28/24 15:58	02/29/24 15:29	1

Client Sample ID: CEB5-5'
Date Collected: 02/27/24 12:04
Date Received: 02/27/24 18:20

Lab Sample ID: 570-174146-18
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.0817	0.0216	mg/Kg		02/28/24 15:58	02/29/24 15:35	1

Client Sample ID: CEB5-10'
Date Collected: 02/27/24 12:10
Date Received: 02/27/24 18:20

Lab Sample ID: 570-174146-19
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.0720	J	0.0833	0.0220	mg/Kg		02/28/24 15:58	02/29/24 15:37	1

Client Sample ID: CEB5-15'
Date Collected: 02/27/24 12:15
Date Received: 02/27/24 18:20

Lab Sample ID: 570-174146-20
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.0522	J	0.0786	0.0208	mg/Kg		02/28/24 15:58	02/29/24 15:39	1

Client Sample ID: CEB6-2'
Date Collected: 02/27/24 13:01
Date Received: 02/27/24 18:20

Lab Sample ID: 570-174146-21
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.0293	J	0.0786	0.0208	mg/Kg		02/28/24 15:58	02/29/24 15:41	1

Client: California Environmental
Project/Site: #3666 / 777 S. Alameda Street

Job ID: 570-174146-1

Method: SW846 7471A - Mercury (CVAA)

Client Sample ID: CEB6-5'
Date Collected: 02/27/24 13:04
Date Received: 02/27/24 18:20

Lab Sample ID: 570-174146-22
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.0601	J	0.0801	0.0212	mg/Kg		02/28/24 15:58	02/29/24 15:43	1

Surrogate Summary

Client: California Environmental
Project/Site: #3666 / 777 S. Alameda Street

Job ID: 570-174146-1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)			
Lab Sample ID	Client Sample ID	DCA (32-179)	BFB (80-120)	DBFM (58-147)	TOL (80-120)
570-174146-1	CEB1-2'	128	100	108	98
570-174146-2	CEB1-5'	132	99	111	99
570-174146-4	CEB1-15'	134	101	113	99
570-174146-5	CEB2-2'	133	100	111	98
570-174146-6	CEB2-5'	134	101	113	99
570-174146-7	CEB2-10'	130	100	110	99
570-174146-9	CEB3-2'	136	101	115	99
570-174146-10	CEB3-5'	132	100	112	99
570-174146-11	CEB3-10'	135	100	115	100
570-174146-12	CEB3-15'	132	99	112	99
570-174146-13	CEB4-2'	131	100	111	99
570-174146-15	CEB4-10'	133	100	113	99
570-174146-16	CEB4-15'	133	100	112	99
570-174146-17	CEB5-2'	138	100	117	99
570-174146-18	CEB5-5'	137	100	114	98
570-174146-19	CEB5-10'	134	100	113	98
570-174146-20	CEB5-15'	134	100	113	99
570-174146-21	CEB6-2'	134	100	115	98
570-174146-22	CEB6-5'	134	99	115	99
LCS 570-415139/3	Lab Control Sample	109	100	106	104
LCSD 570-415139/4	Lab Control Sample Dup	109	99	105	104
MB 570-415139/5	Method Blank	114	99	102	98

Surrogate Legend

DCA = 1,2-Dichloroethane-d4 (Surr)
BFB = 4-Bromofluorobenzene (Surr)
DBFM = Dibromofluoromethane (Surr)
TOL = Toluene-d8 (Surr)

Method: 8260B/CA_LUFTMS - Volatile Organic Compounds by GC/MS

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)
Lab Sample ID	Client Sample ID	TOL (80-120)
570-174146-1	CEB1-2'	98
570-174146-2	CEB1-5'	99
570-174146-4	CEB1-15'	99
570-174146-5	CEB2-2'	98
570-174146-6	CEB2-5'	100
570-174146-7	CEB2-10'	99
570-174146-9	CEB3-2'	99
570-174146-10	CEB3-5'	99
570-174146-11	CEB3-10'	100
570-174146-12	CEB3-15'	99
570-174146-13	CEB4-2'	99
570-174146-15	CEB4-10'	99
570-174146-16	CEB4-15'	99
570-174146-17	CEB5-2'	99
570-174146-18	CEB5-5'	98

Method: 8260B/CA_LUFTMS - Volatile Organic Compounds by GC/MS (Continued)

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)
		TOL
Lab Sample ID	Client Sample ID	(80-120)
570-174146-19	CEB5-10'	98
570-174146-20	CEB5-15'	99
570-174146-21	CEB6-2'	99
570-174146-22	CEB6-5'	99
LCS 570-415141/3	Lab Control Sample	102
LCSD 570-415141/4	Lab Control Sample Dup	102
MB 570-415141/5	Method Blank	99

Surrogate Legend

TOL = Toluene-d8 (Surr)

Method: 8015B - Diesel Range Organics (DRO) (GC)

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)
		OTCSN1
Lab Sample ID	Client Sample ID	(60-138)
570-174146-1	CEB1-2'	97
570-174146-1 MS	CEB1-2'	94
570-174146-1 MS	CEB1-2'	88
570-174146-1 MSD	CEB1-2'	101
570-174146-1 MSD	CEB1-2'	95
570-174146-2	CEB1-5'	95
570-174146-4	CEB1-15'	96
570-174146-5	CEB2-2'	97
570-174146-6	CEB2-5'	92
570-174146-7	CEB2-10'	93
570-174146-9	CEB3-2'	92
570-174146-10	CEB3-5'	90
570-174146-11	CEB3-10'	92
570-174146-12	CEB3-15'	92
570-174146-13	CEB4-2'	94
570-174146-15	CEB4-10'	95
570-174146-16	CEB4-15'	95
570-174146-17	CEB5-2'	95
570-174146-18	CEB5-5'	95
570-174146-19	CEB5-10'	91
570-174146-20	CEB5-15'	92
570-174146-21	CEB6-2'	90
570-174146-22	CEB6-5'	91
LCS 570-414991/2-A	Lab Control Sample	104
LCS 570-414991/6-A	Lab Control Sample	96
LCSD 570-414991/3-A	Lab Control Sample Dup	91
LCSD 570-414991/7-A	Lab Control Sample Dup	93
MB 570-414991/1-A	Method Blank	95

Surrogate Legend

OTCSN = n-Octacosane (Surr)

Method: 8260B - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 570-415139/5
Matrix: Solid
Analysis Batch: 415139

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.0	0.29	ug/Kg			02/28/24 21:02	1
1,1,1-Trichloroethane	ND		1.0	0.23	ug/Kg			02/28/24 21:02	1
1,1,2,2-Tetrachloroethane	ND		2.0	0.54	ug/Kg			02/28/24 21:02	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		10	0.46	ug/Kg			02/28/24 21:02	1
1,1,2-Trichloroethane	ND		1.0	0.46	ug/Kg			02/28/24 21:02	1
1,1-Dichloroethane	ND		1.0	0.28	ug/Kg			02/28/24 21:02	1
1,1-Dichloroethene	ND		1.0	0.27	ug/Kg			02/28/24 21:02	1
1,1-Dichloropropene	ND		2.0	0.39	ug/Kg			02/28/24 21:02	1
1,2,3-Trichlorobenzene	ND		2.0	0.38	ug/Kg			02/28/24 21:02	1
1,2,3-Trichloropropane	ND		2.0	0.42	ug/Kg			02/28/24 21:02	1
1,2,4-Trichlorobenzene	ND		2.0	0.41	ug/Kg			02/28/24 21:02	1
1,2,4-Trimethylbenzene	ND		2.0	0.60	ug/Kg			02/28/24 21:02	1
1,2-Dibromo-3-Chloropropane	ND		10	3.3	ug/Kg			02/28/24 21:02	1
1,2-Dibromoethane	ND		1.0	0.21	ug/Kg			02/28/24 21:02	1
1,2-Dichlorobenzene	ND		1.0	0.25	ug/Kg			02/28/24 21:02	1
1,2-Dichloroethane	ND		1.0	0.28	ug/Kg			02/28/24 21:02	1
1,2-Dichloropropane	ND		1.0	0.28	ug/Kg			02/28/24 21:02	1
1,3,5-Trimethylbenzene	ND		2.0	0.27	ug/Kg			02/28/24 21:02	1
1,3-Dichlorobenzene	ND		1.0	0.25	ug/Kg			02/28/24 21:02	1
1,3-Dichloropropane	ND		1.0	0.30	ug/Kg			02/28/24 21:02	1
1,4-Dichlorobenzene	ND		1.0	0.31	ug/Kg			02/28/24 21:02	1
2,2-Dichloropropane	ND		5.0	0.27	ug/Kg			02/28/24 21:02	1
2-Butanone	ND		20	4.5	ug/Kg			02/28/24 21:02	1
2-Chlorotoluene	ND		1.0	0.25	ug/Kg			02/28/24 21:02	1
2-Hexanone	ND		20	3.1	ug/Kg			02/28/24 21:02	1
4-Chlorotoluene	ND		1.0	0.24	ug/Kg			02/28/24 21:02	1
4-Methyl-2-pentanone	ND		20	2.9	ug/Kg			02/28/24 21:02	1
Acetone	ND		20	9.8	ug/Kg			02/28/24 21:02	1
Benzene	ND		1.0	0.26	ug/Kg			02/28/24 21:02	1
Bromobenzene	ND		1.0	0.21	ug/Kg			02/28/24 21:02	1
Bromochloromethane	ND		2.0	0.44	ug/Kg			02/28/24 21:02	1
Bromodichloromethane	ND		1.0	0.33	ug/Kg			02/28/24 21:02	1
Bromoform	ND		5.0	1.3	ug/Kg			02/28/24 21:02	1
Bromomethane	ND		20	6.6	ug/Kg			02/28/24 21:02	1
cis-1,2-Dichloroethene	ND		1.0	0.34	ug/Kg			02/28/24 21:02	1
cis-1,3-Dichloropropene	ND		1.0	0.35	ug/Kg			02/28/24 21:02	1
Carbon disulfide	ND		10	0.40	ug/Kg			02/28/24 21:02	1
Carbon tetrachloride	ND		1.0	0.30	ug/Kg			02/28/24 21:02	1
Chlorobenzene	ND		1.0	0.27	ug/Kg			02/28/24 21:02	1
Chloroethane	ND		2.0	0.74	ug/Kg			02/28/24 21:02	1
Chloroform	ND		1.0	0.59	ug/Kg			02/28/24 21:02	1
Chloromethane	ND		20	1.5	ug/Kg			02/28/24 21:02	1
Dibromochloromethane	ND		2.0	0.27	ug/Kg			02/28/24 21:02	1
Dibromomethane	ND		1.0	0.31	ug/Kg			02/28/24 21:02	1
Dichlorodifluoromethane	ND		2.0	0.45	ug/Kg			02/28/24 21:02	1
Di-isopropyl ether (DIPE)	ND		1.0	0.50	ug/Kg			02/28/24 21:02	1
Ethanol	ND		250	92	ug/Kg			02/28/24 21:02	1
Ethylbenzene	ND		1.0	0.21	ug/Kg			02/28/24 21:02	1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 570-415139/5
Matrix: Solid
Analysis Batch: 415139

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethyl-t-butyl ether (ETBE)	ND		1.0	0.24	ug/Kg			02/28/24 21:02	1
Isopropylbenzene	ND		1.0	0.28	ug/Kg			02/28/24 21:02	1
Methylene Chloride	ND		10	3.1	ug/Kg			02/28/24 21:02	1
Methyl-t-Butyl Ether (MTBE)	ND		2.0	0.19	ug/Kg			02/28/24 21:02	1
Naphthalene	ND		10	3.9	ug/Kg			02/28/24 21:02	1
n-Butylbenzene	ND		1.0	0.21	ug/Kg			02/28/24 21:02	1
N-Propylbenzene	ND		2.0	0.26	ug/Kg			02/28/24 21:02	1
o-Xylene	ND		1.0	0.26	ug/Kg			02/28/24 21:02	1
m,p-Xylene	ND		2.0	0.47	ug/Kg			02/28/24 21:02	1
p-Isopropyltoluene	ND		1.0	0.28	ug/Kg			02/28/24 21:02	1
sec-Butylbenzene	ND		1.0	0.27	ug/Kg			02/28/24 21:02	1
Styrene	ND		1.0	0.32	ug/Kg			02/28/24 21:02	1
trans-1,2-Dichloroethene	ND		1.0	0.30	ug/Kg			02/28/24 21:02	1
trans-1,3-Dichloropropene	ND		2.0	0.28	ug/Kg			02/28/24 21:02	1
Tert-amyl-methyl ether (TAME)	ND		1.0	0.19	ug/Kg			02/28/24 21:02	1
tert-Butyl alcohol (TBA)	ND		20	7.0	ug/Kg			02/28/24 21:02	1
tert-Butylbenzene	ND		1.0	0.25	ug/Kg			02/28/24 21:02	1
Tetrachloroethene	ND		1.0	0.22	ug/Kg			02/28/24 21:02	1
Toluene	ND		1.0	0.27	ug/Kg			02/28/24 21:02	1
Trichloroethene	ND		2.0	0.39	ug/Kg			02/28/24 21:02	1
Trichlorofluoromethane	ND		10	0.27	ug/Kg			02/28/24 21:02	1
Vinyl acetate	ND		10	3.9	ug/Kg			02/28/24 21:02	1
Vinyl chloride	ND		1.0	0.38	ug/Kg			02/28/24 21:02	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*114*		*32 - 179*		*02/28/24 21:02*	*1*
4-Bromofluorobenzene (Surr)	*99*		*80 - 120*		*02/28/24 21:02*	*1*
Dibromofluoromethane (Surr)	*102*		*58 - 147*		*02/28/24 21:02*	*1*
Toluene-d8 (Surr)	*98*		*80 - 120*		*02/28/24 21:02*	*1*

Lab Sample ID: LCS 570-415139/3
Matrix: Solid
Analysis Batch: 415139

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1-Dichloroethene	50.0	47.28		ug/Kg		95	74 - 132
1,2-Dibromoethane	50.0	51.18		ug/Kg		102	80 - 120
1,2-Dichlorobenzene	50.0	51.02		ug/Kg		102	80 - 120
1,2-Dichloroethane	50.0	51.68		ug/Kg		103	77 - 120
Benzene	50.0	49.60		ug/Kg		99	80 - 120
Carbon tetrachloride	50.0	52.23		ug/Kg		104	75 - 140
Chlorobenzene	50.0	48.17		ug/Kg		96	80 - 120
Di-isopropyl ether (DIPE)	50.0	54.24		ug/Kg		108	73 - 132
Ethanol	500	636.3		ug/Kg		127	46 - 159
Ethylbenzene	50.0	48.91		ug/Kg		98	80 - 120
Ethyl-t-butyl ether (ETBE)	50.0	54.33		ug/Kg		109	77 - 129
Methyl-t-Butyl Ether (MTBE)	50.0	53.47		ug/Kg		107	79 - 123
o-Xylene	50.0	50.30		ug/Kg		101	80 - 120

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 570-415139/3
Matrix: Solid
Analysis Batch: 415139

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
m,p-Xylene	100	99.83		ug/Kg		100	80 - 120

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*109*		*32 - 179*
4-Bromofluorobenzene (Surr)	*100*		*80 - 120*
Dibromofluoromethane (Surr)	*106*		*58 - 147*
Toluene-d8 (Surr)	*104*		*80 - 120*

Lab Sample ID: LCSD 570-415139/4
Matrix: Solid
Analysis Batch: 415139

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,1-Dichloroethene	50.0	45.05		ug/Kg		90	74 - 132	5	20
1,2-Dibromoethane	50.0	49.58		ug/Kg		99	80 - 120	3	20
1,2-Dichlorobenzene	50.0	49.33		ug/Kg		99	80 - 120	3	20
1,2-Dichloroethane	50.0	50.00		ug/Kg		100	77 - 120	3	20
Benzene	50.0	47.97		ug/Kg		96	80 - 120	3	20
Carbon tetrachloride	50.0	49.37		ug/Kg		99	75 - 140	6	20
Chlorobenzene	50.0	46.23		ug/Kg		92	80 - 120	4	20
Di-isopropyl ether (DIPE)	50.0	52.40		ug/Kg		105	73 - 132	3	20
Ethanol	500	427.7	*1	ug/Kg		86	46 - 159	39	30
Ethylbenzene	50.0	46.70		ug/Kg		93	80 - 120	5	20
Ethyl-t-butyl ether (ETBE)	50.0	52.56		ug/Kg		105	77 - 129	3	20
Methyl-t-Butyl Ether (MTBE)	50.0	52.29		ug/Kg		105	79 - 123	2	20
o-Xylene	50.0	48.35		ug/Kg		97	80 - 120	4	20
m,p-Xylene	100	95.11		ug/Kg		95	80 - 120	5	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*109*		*32 - 179*
4-Bromofluorobenzene (Surr)	*99*		*80 - 120*
Dibromofluoromethane (Surr)	*105*		*58 - 147*
Toluene-d8 (Surr)	*104*		*80 - 120*

Method: 8260B/CA_LUFTMS - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 570-415141/5
Matrix: Solid
Analysis Batch: 415141

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	ND		100	47	ug/Kg			02/28/24 21:02	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*99*		*80 - 120*		*02/28/24 21:02*	*1*

Method: 8260B/CA_LUFTMS - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 570-415141/3
Matrix: Solid
Analysis Batch: 415141

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
TPPH	1000	913.7		ug/Kg		91	65 - 135

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Toluene-d8 (Surr)	*102*		*80 - 120*

Lab Sample ID: LCSD 570-415141/4
Matrix: Solid
Analysis Batch: 415141

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
TPPH	1000	913.0		ug/Kg		91	65 - 135	0	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
Toluene-d8 (Surr)	*102*		*80 - 120*

Method: 8015B - Diesel Range Organics (DRO) (GC)

Lab Sample ID: MB 570-414991/1-A
Matrix: Solid
Analysis Batch: 415447

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 414991

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		5.0	3.8	mg/Kg		02/28/24 13:02	02/29/24 21:18	1
TPH as Motor Oil (C17-C44)	ND		25	11	mg/Kg		02/28/24 13:02	02/29/24 21:18	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane (Surr)	*95*		*60 - 138*	*02/28/24 13:02*	*02/29/24 21:18*	*1*

Lab Sample ID: LCS 570-414991/2-A
Matrix: Solid
Analysis Batch: 415447

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 414991

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Diesel Range Organics [C10-C28]	400	449.0		mg/Kg		112	80 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
n-Octacosane (Surr)	*104*		*60 - 138*

Lab Sample ID: LCS 570-414991/6-A
Matrix: Solid
Analysis Batch: 415447

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 414991

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
TPH as Motor Oil (C17-C44)	400	449.3		mg/Kg		112	77 - 125

Method: 8015B - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: LCS 570-414991/6-A
Matrix: Solid
Analysis Batch: 415447

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 414991

Surrogate	LCS %Recovery	LCS Qualifier	Limits
n-Octacosane (Surr)	96		60 - 138

Lab Sample ID: LCSD 570-414991/3-A
Matrix: Solid
Analysis Batch: 415447

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 414991

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Diesel Range Organics [C10-C28]	400	419.8		mg/Kg		105	80 - 130	7	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
n-Octacosane (Surr)	91		60 - 138

Lab Sample ID: LCSD 570-414991/7-A
Matrix: Solid
Analysis Batch: 415447

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 414991

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
TPH as Motor Oil (C17-C44)	400	423.8		mg/Kg		106	77 - 125	6	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
n-Octacosane (Surr)	93		60 - 138

Lab Sample ID: 570-174146-1 MS
Matrix: Solid
Analysis Batch: 415447

Client Sample ID: CEB1-2'
Prep Type: Total/NA
Prep Batch: 414991

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Diesel Range Organics [C10-C28]	30		402	513.4		mg/Kg		120	43 - 165

Surrogate	MS %Recovery	MS Qualifier	Limits
n-Octacosane (Surr)	94		60 - 138

Lab Sample ID: 570-174146-1 MS
Matrix: Solid
Analysis Batch: 415447

Client Sample ID: CEB1-2'
Prep Type: Total/NA
Prep Batch: 414991

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
TPH as Motor Oil (C17-C44)	210	F1	387	1107	F1	mg/Kg		231	44 - 161

Surrogate	MS %Recovery	MS Qualifier	Limits
n-Octacosane (Surr)	88		60 - 138

Method: 8015B - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: 570-174146-1 MSD
Matrix: Solid
Analysis Batch: 415447

Client Sample ID: CEB1-2'
Prep Type: Total/NA
Prep Batch: 414991

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Diesel Range Organics [C10-C28]	30		388	449.1		mg/Kg		108	43 - 165	13	35

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
n-Octacosane (Surr)	*101*		*60 - 138*

Lab Sample ID: 570-174146-1 MSD
Matrix: Solid
Analysis Batch: 415447

Client Sample ID: CEB1-2'
Prep Type: Total/NA
Prep Batch: 414991

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
TPH as Motor Oil (C17-C44)	210	F1	394	847.0		mg/Kg		161	44 - 161	27	37

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
n-Octacosane (Surr)	*95*		*60 - 138*

Method: 6010B - Metals (ICP)

Lab Sample ID: MB 570-415099/1-A ^5
Matrix: Solid
Analysis Batch: 416566

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 415099

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		10.0	2.86	mg/Kg		02/29/24 07:30	03/04/24 13:18	5
Arsenic	ND		3.00	1.39	mg/Kg		02/29/24 07:30	03/04/24 13:18	5
Barium	ND		3.00	0.142	mg/Kg		02/29/24 07:30	03/04/24 13:18	5
Beryllium	ND		0.500	0.0690	mg/Kg		02/29/24 07:30	03/04/24 13:18	5
Cadmium	ND		0.500	0.164	mg/Kg		02/29/24 07:30	03/04/24 13:18	5
Chromium	ND		1.00	0.186	mg/Kg		02/29/24 07:30	03/04/24 13:18	5
Cobalt	ND		1.00	0.206	mg/Kg		02/29/24 07:30	03/04/24 13:18	5
Copper	ND		2.00	0.958	mg/Kg		02/29/24 07:30	03/04/24 13:18	5
Lead	ND		2.00	0.409	mg/Kg		02/29/24 07:30	03/04/24 13:18	5
Molybdenum	ND		2.00	0.515	mg/Kg		02/29/24 07:30	03/04/24 13:18	5
Nickel	ND		2.00	0.362	mg/Kg		02/29/24 07:30	03/04/24 13:18	5
Selenium	ND		3.00	1.22	mg/Kg		02/29/24 07:30	03/04/24 13:18	5
Silver	ND		1.50	0.144	mg/Kg		02/29/24 07:30	03/04/24 13:18	5
Thallium	ND		10.0	2.11	mg/Kg		02/29/24 07:30	03/04/24 13:18	5
Vanadium	ND		1.00	0.168	mg/Kg		02/29/24 07:30	03/04/24 13:18	5
Zinc	ND		5.00	1.16	mg/Kg		02/29/24 07:30	03/04/24 13:18	5

Lab Sample ID: LCS 570-415099/2-A ^5
Matrix: Solid
Analysis Batch: 416566

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 415099

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Antimony	49.8	49.24		mg/Kg		99	80 - 120
Arsenic	49.8	45.16		mg/Kg		91	80 - 120
Barium	49.8	45.87		mg/Kg		92	80 - 120
Beryllium	49.8	45.87		mg/Kg		92	80 - 120

Method: 6010B - Metals (ICP) (Continued)

Lab Sample ID: LCS 570-415099/2-A ^5
Matrix: Solid
Analysis Batch: 416566

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 415099

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Cadmium	49.8	45.81		mg/Kg		92	80 - 120
Chromium	49.8	46.41		mg/Kg		93	80 - 120
Cobalt	49.8	46.34		mg/Kg		93	80 - 120
Copper	49.8	46.46		mg/Kg		93	80 - 120
Lead	49.8	46.26		mg/Kg		93	80 - 120
Molybdenum	49.8	45.41		mg/Kg		91	80 - 120
Nickel	49.8	46.27		mg/Kg		93	80 - 120
Selenium	49.8	43.79		mg/Kg		88	80 - 120
Silver	24.9	24.23		mg/Kg		97	80 - 120
Thallium	49.8	45.91		mg/Kg		92	80 - 120
Vanadium	49.8	45.68		mg/Kg		92	80 - 120
Zinc	49.8	45.90		mg/Kg		92	80 - 120

Lab Sample ID: LCSD 570-415099/3-A ^5
Matrix: Solid
Analysis Batch: 416566

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 415099

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Antimony	49.5	47.83		mg/Kg		97	80 - 120	3	20
Arsenic	49.5	44.55		mg/Kg		90	80 - 120	1	20
Barium	49.5	44.06		mg/Kg		89	80 - 120	4	20
Beryllium	49.5	44.07		mg/Kg		89	80 - 120	4	20
Cadmium	49.5	44.42		mg/Kg		90	80 - 120	3	20
Chromium	49.5	44.52		mg/Kg		90	80 - 120	4	20
Cobalt	49.5	44.88		mg/Kg		91	80 - 120	3	20
Copper	49.5	44.63		mg/Kg		90	80 - 120	4	20
Lead	49.5	44.29		mg/Kg		89	80 - 120	4	20
Molybdenum	49.5	43.85		mg/Kg		89	80 - 120	3	20
Nickel	49.5	44.62		mg/Kg		90	80 - 120	4	20
Selenium	49.5	41.72		mg/Kg		84	80 - 120	5	20
Silver	24.8	23.30		mg/Kg		94	80 - 120	4	20
Thallium	49.5	44.43		mg/Kg		90	80 - 120	3	20
Vanadium	49.5	43.87		mg/Kg		89	80 - 120	4	20
Zinc	49.5	43.81		mg/Kg		89	80 - 120	5	20

Lab Sample ID: 570-174146-7 MS
Matrix: Solid
Analysis Batch: 416566

Client Sample ID: CEB2-10'
Prep Type: Total/NA
Prep Batch: 415099

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Antimony	ND	F1	50.0	17.00	F1	mg/Kg		34	75 - 125
Arsenic	ND		50.0	47.84		mg/Kg		96	75 - 125
Barium	65.4		50.0	112.7		mg/Kg		95	75 - 125
Beryllium	0.196	J	50.0	45.85		mg/Kg		91	75 - 125
Cadmium	ND		50.0	44.24		mg/Kg		88	75 - 125
Chromium	9.44		50.0	55.56		mg/Kg		92	75 - 125
Cobalt	4.71		50.0	49.40		mg/Kg		89	75 - 125
Copper	8.47		50.0	55.41		mg/Kg		94	75 - 125
Lead	1.91	J	50.0	46.86		mg/Kg		90	75 - 125

Method: 6010B - Metals (ICP) (Continued)

Lab Sample ID: 570-174146-7 MS
Matrix: Solid
Analysis Batch: 416566

Client Sample ID: CEB2-10'
Prep Type: Total/NA
Prep Batch: 415099

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Molybdenum	ND		50.0	44.39		mg/Kg		89	75 - 125
Nickel	5.87		50.0	50.44		mg/Kg		89	75 - 125
Selenium	ND		50.0	41.96		mg/Kg		84	75 - 125
Silver	ND		25.0	23.89		mg/Kg		96	75 - 125
Thallium	ND		50.0	44.48		mg/Kg		89	75 - 125
Vanadium	25.4		50.0	73.00		mg/Kg		95	75 - 125
Zinc	28.8		50.0	74.26		mg/Kg		91	75 - 125

Lab Sample ID: 570-174146-7 MSD
Matrix: Solid
Analysis Batch: 416566

Client Sample ID: CEB2-10'
Prep Type: Total/NA
Prep Batch: 415099

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Antimony	ND	F1	49.3	16.10	F1	mg/Kg		33	75 - 125	5	20
Arsenic	ND		49.3	45.70		mg/Kg		93	75 - 125	5	20
Barium	65.4		49.3	114.0		mg/Kg		99	75 - 125	1	20
Beryllium	0.196	J	49.3	44.98		mg/Kg		91	75 - 125	2	20
Cadmium	ND		49.3	43.24		mg/Kg		88	75 - 125	2	20
Chromium	9.44		49.3	54.99		mg/Kg		92	75 - 125	1	20
Cobalt	4.71		49.3	48.65		mg/Kg		89	75 - 125	2	20
Copper	8.47		49.3	55.07		mg/Kg		95	75 - 125	1	20
Lead	1.91	J	49.3	46.02		mg/Kg		90	75 - 125	2	20
Molybdenum	ND		49.3	43.68		mg/Kg		89	75 - 125	2	20
Nickel	5.87		49.3	49.79		mg/Kg		89	75 - 125	1	20
Selenium	ND		49.3	42.32		mg/Kg		86	75 - 125	1	20
Silver	ND		24.6	23.42		mg/Kg		95	75 - 125	2	20
Thallium	ND		49.3	42.41		mg/Kg		86	75 - 125	5	20
Vanadium	25.4		49.3	72.48		mg/Kg		96	75 - 125	1	20
Zinc	28.8		49.3	73.90		mg/Kg		92	75 - 125	0	20

Method: 7471A - Mercury (CVAA)

Lab Sample ID: MB 570-415093/1-A
Matrix: Solid
Analysis Batch: 415500

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 415093

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.0817	0.0216	mg/Kg		02/28/24 15:58	02/29/24 13:23	1

Lab Sample ID: LCS 570-415093/2-A
Matrix: Solid
Analysis Batch: 415500

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 415093

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.385	0.3841		mg/Kg		100	80 - 120

Method: 7471A - Mercury (CVAA) (Continued)

Lab Sample ID: LCSD 570-415093/3-A
Matrix: Solid
Analysis Batch: 415500

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 415093

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury			0.400	0.3906		mg/Kg		98	80 - 120	2	10

Lab Sample ID: 570-174146-7 MS
Matrix: Solid
Analysis Batch: 415500

Client Sample ID: CEB2-10'
Prep Type: Total/NA
Prep Batch: 415093

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.0355	J	0.392	0.4829		mg/Kg		114	80 - 120

Lab Sample ID: 570-174146-7 MSD
Matrix: Solid
Analysis Batch: 415500

Client Sample ID: CEB2-10'
Prep Type: Total/NA
Prep Batch: 415093

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury	0.0355	J	0.400	0.4519		mg/Kg		104	80 - 120	7	20

GC/MS VOA

Prep Batch: 415133

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-174146-1	CEB1-2'	Total/NA	Solid	5035	
570-174146-2	CEB1-5'	Total/NA	Solid	5035	
570-174146-4	CEB1-15'	Total/NA	Solid	5035	
570-174146-5	CEB2-2'	Total/NA	Solid	5035	
570-174146-6	CEB2-5'	Total/NA	Solid	5035	
570-174146-7	CEB2-10'	Total/NA	Solid	5035	
570-174146-9	CEB3-2'	Total/NA	Solid	5035	
570-174146-10	CEB3-5'	Total/NA	Solid	5035	
570-174146-11	CEB3-10'	Total/NA	Solid	5035	
570-174146-12	CEB3-15'	Total/NA	Solid	5035	
570-174146-13	CEB4-2'	Total/NA	Solid	5035	
570-174146-15	CEB4-10'	Total/NA	Solid	5035	
570-174146-16	CEB4-15'	Total/NA	Solid	5035	
570-174146-17	CEB5-2'	Total/NA	Solid	5035	
570-174146-18	CEB5-5'	Total/NA	Solid	5035	
570-174146-19	CEB5-10'	Total/NA	Solid	5035	
570-174146-20	CEB5-15'	Total/NA	Solid	5035	
570-174146-21	CEB6-2'	Total/NA	Solid	5035	
570-174146-22	CEB6-5'	Total/NA	Solid	5035	

Analysis Batch: 415139

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-174146-1	CEB1-2'	Total/NA	Solid	8260B	415133
570-174146-2	CEB1-5'	Total/NA	Solid	8260B	415133
570-174146-4	CEB1-15'	Total/NA	Solid	8260B	415133
570-174146-5	CEB2-2'	Total/NA	Solid	8260B	415133
570-174146-6	CEB2-5'	Total/NA	Solid	8260B	415133
570-174146-7	CEB2-10'	Total/NA	Solid	8260B	415133
570-174146-9	CEB3-2'	Total/NA	Solid	8260B	415133
570-174146-10	CEB3-5'	Total/NA	Solid	8260B	415133
570-174146-11	CEB3-10'	Total/NA	Solid	8260B	415133
570-174146-12	CEB3-15'	Total/NA	Solid	8260B	415133
570-174146-13	CEB4-2'	Total/NA	Solid	8260B	415133
570-174146-15	CEB4-10'	Total/NA	Solid	8260B	415133
570-174146-16	CEB4-15'	Total/NA	Solid	8260B	415133
570-174146-17	CEB5-2'	Total/NA	Solid	8260B	415133
570-174146-18	CEB5-5'	Total/NA	Solid	8260B	415133
570-174146-19	CEB5-10'	Total/NA	Solid	8260B	415133
570-174146-20	CEB5-15'	Total/NA	Solid	8260B	415133
570-174146-21	CEB6-2'	Total/NA	Solid	8260B	415133
570-174146-22	CEB6-5'	Total/NA	Solid	8260B	415133
MB 570-415139/5	Method Blank	Total/NA	Solid	8260B	
LCS 570-415139/3	Lab Control Sample	Total/NA	Solid	8260B	
LCSD 570-415139/4	Lab Control Sample Dup	Total/NA	Solid	8260B	

Analysis Batch: 415141

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-174146-1	CEB1-2'	Total/NA	Solid	8260B/CA_LUFT MS	415133
570-174146-2	CEB1-5'	Total/NA	Solid	8260B/CA_LUFT MS	415133

GC/MS VOA (Continued)

Analysis Batch: 415141 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-174146-4	CEB1-15'	Total/NA	Solid	8260B/CA_LUFT MS	415133
570-174146-5	CEB2-2'	Total/NA	Solid	8260B/CA_LUFT MS	415133
570-174146-6	CEB2-5'	Total/NA	Solid	8260B/CA_LUFT MS	415133
570-174146-7	CEB2-10'	Total/NA	Solid	8260B/CA_LUFT MS	415133
570-174146-9	CEB3-2'	Total/NA	Solid	8260B/CA_LUFT MS	415133
570-174146-10	CEB3-5'	Total/NA	Solid	8260B/CA_LUFT MS	415133
570-174146-11	CEB3-10'	Total/NA	Solid	8260B/CA_LUFT MS	415133
570-174146-12	CEB3-15'	Total/NA	Solid	8260B/CA_LUFT MS	415133
570-174146-13	CEB4-2'	Total/NA	Solid	8260B/CA_LUFT MS	415133
570-174146-15	CEB4-10'	Total/NA	Solid	8260B/CA_LUFT MS	415133
570-174146-16	CEB4-15'	Total/NA	Solid	8260B/CA_LUFT MS	415133
570-174146-17	CEB5-2'	Total/NA	Solid	8260B/CA_LUFT MS	415133
570-174146-18	CEB5-5'	Total/NA	Solid	8260B/CA_LUFT MS	415133
570-174146-19	CEB5-10'	Total/NA	Solid	8260B/CA_LUFT MS	415133
570-174146-20	CEB5-15'	Total/NA	Solid	8260B/CA_LUFT MS	415133
570-174146-21	CEB6-2'	Total/NA	Solid	8260B/CA_LUFT MS	415133
570-174146-22	CEB6-5'	Total/NA	Solid	8260B/CA_LUFT MS	415133
MB 570-415141/5	Method Blank	Total/NA	Solid	8260B/CA_LUFT MS	
LCS 570-415141/3	Lab Control Sample	Total/NA	Solid	8260B/CA_LUFT MS	
LCSD 570-415141/4	Lab Control Sample Dup	Total/NA	Solid	8260B/CA_LUFT MS	

GC Semi VOA

Prep Batch: 414991

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-174146-1	CEB1-2'	Total/NA	Solid	3550C	
570-174146-2	CEB1-5'	Total/NA	Solid	3550C	
570-174146-4	CEB1-15'	Total/NA	Solid	3550C	
570-174146-5	CEB2-2'	Total/NA	Solid	3550C	
570-174146-6	CEB2-5'	Total/NA	Solid	3550C	
570-174146-7	CEB2-10'	Total/NA	Solid	3550C	
570-174146-9	CEB3-2'	Total/NA	Solid	3550C	
570-174146-10	CEB3-5'	Total/NA	Solid	3550C	
570-174146-11	CEB3-10'	Total/NA	Solid	3550C	
570-174146-12	CEB3-15'	Total/NA	Solid	3550C	
570-174146-13	CEB4-2'	Total/NA	Solid	3550C	

GC Semi VOA (Continued)

Prep Batch: 414991 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-174146-15	CEB4-10'	Total/NA	Solid	3550C	
570-174146-16	CEB4-15'	Total/NA	Solid	3550C	
570-174146-17	CEB5-2'	Total/NA	Solid	3550C	
570-174146-18	CEB5-5'	Total/NA	Solid	3550C	
570-174146-19	CEB5-10'	Total/NA	Solid	3550C	
570-174146-20	CEB5-15'	Total/NA	Solid	3550C	
570-174146-21	CEB6-2'	Total/NA	Solid	3550C	
570-174146-22	CEB6-5'	Total/NA	Solid	3550C	
MB 570-414991/1-A	Method Blank	Total/NA	Solid	3550C	
LCS 570-414991/2-A	Lab Control Sample	Total/NA	Solid	3550C	
LCS 570-414991/6-A	Lab Control Sample	Total/NA	Solid	3550C	
LCSD 570-414991/3-A	Lab Control Sample Dup	Total/NA	Solid	3550C	
LCSD 570-414991/7-A	Lab Control Sample Dup	Total/NA	Solid	3550C	
570-174146-1 MS	CEB1-2'	Total/NA	Solid	3550C	
570-174146-1 MS	CEB1-2'	Total/NA	Solid	3550C	
570-174146-1 MSD	CEB1-2'	Total/NA	Solid	3550C	
570-174146-1 MSD	CEB1-2'	Total/NA	Solid	3550C	

Analysis Batch: 415447

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-174146-1	CEB1-2'	Total/NA	Solid	8015B	414991
570-174146-2	CEB1-5'	Total/NA	Solid	8015B	414991
570-174146-4	CEB1-15'	Total/NA	Solid	8015B	414991
570-174146-5	CEB2-2'	Total/NA	Solid	8015B	414991
MB 570-414991/1-A	Method Blank	Total/NA	Solid	8015B	414991
LCS 570-414991/2-A	Lab Control Sample	Total/NA	Solid	8015B	414991
LCS 570-414991/6-A	Lab Control Sample	Total/NA	Solid	8015B	414991
LCSD 570-414991/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B	414991
LCSD 570-414991/7-A	Lab Control Sample Dup	Total/NA	Solid	8015B	414991
570-174146-1 MS	CEB1-2'	Total/NA	Solid	8015B	414991
570-174146-1 MS	CEB1-2'	Total/NA	Solid	8015B	414991
570-174146-1 MSD	CEB1-2'	Total/NA	Solid	8015B	414991
570-174146-1 MSD	CEB1-2'	Total/NA	Solid	8015B	414991

Analysis Batch: 415613

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-174146-6	CEB2-5'	Total/NA	Solid	8015B	414991
570-174146-7	CEB2-10'	Total/NA	Solid	8015B	414991
570-174146-9	CEB3-2'	Total/NA	Solid	8015B	414991
570-174146-10	CEB3-5'	Total/NA	Solid	8015B	414991
570-174146-11	CEB3-10'	Total/NA	Solid	8015B	414991
570-174146-12	CEB3-15'	Total/NA	Solid	8015B	414991
570-174146-13	CEB4-2'	Total/NA	Solid	8015B	414991
570-174146-15	CEB4-10'	Total/NA	Solid	8015B	414991
570-174146-16	CEB4-15'	Total/NA	Solid	8015B	414991
570-174146-17	CEB5-2'	Total/NA	Solid	8015B	414991
570-174146-18	CEB5-5'	Total/NA	Solid	8015B	414991
570-174146-19	CEB5-10'	Total/NA	Solid	8015B	414991
570-174146-20	CEB5-15'	Total/NA	Solid	8015B	414991
570-174146-21	CEB6-2'	Total/NA	Solid	8015B	414991
570-174146-22	CEB6-5'	Total/NA	Solid	8015B	414991

Metals

Prep Batch: 415093

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-174146-1	CEB1-2'	Total/NA	Solid	7471A	
570-174146-2	CEB1-5'	Total/NA	Solid	7471A	
570-174146-4	CEB1-15'	Total/NA	Solid	7471A	
570-174146-5	CEB2-2'	Total/NA	Solid	7471A	
570-174146-6	CEB2-5'	Total/NA	Solid	7471A	
570-174146-7	CEB2-10'	Total/NA	Solid	7471A	
570-174146-9	CEB3-2'	Total/NA	Solid	7471A	
570-174146-10	CEB3-5'	Total/NA	Solid	7471A	
570-174146-11	CEB3-10'	Total/NA	Solid	7471A	
570-174146-12	CEB3-15'	Total/NA	Solid	7471A	
570-174146-13	CEB4-2'	Total/NA	Solid	7471A	
570-174146-15	CEB4-10'	Total/NA	Solid	7471A	
570-174146-16	CEB4-15'	Total/NA	Solid	7471A	
570-174146-17	CEB5-2'	Total/NA	Solid	7471A	
570-174146-18	CEB5-5'	Total/NA	Solid	7471A	
570-174146-19	CEB5-10'	Total/NA	Solid	7471A	
570-174146-20	CEB5-15'	Total/NA	Solid	7471A	
570-174146-21	CEB6-2'	Total/NA	Solid	7471A	
570-174146-22	CEB6-5'	Total/NA	Solid	7471A	
MB 570-415093/1-A	Method Blank	Total/NA	Solid	7471A	
LCS 570-415093/2-A	Lab Control Sample	Total/NA	Solid	7471A	
LCSD 570-415093/3-A	Lab Control Sample Dup	Total/NA	Solid	7471A	
570-174146-7 MS	CEB2-10'	Total/NA	Solid	7471A	
570-174146-7 MSD	CEB2-10'	Total/NA	Solid	7471A	

Prep Batch: 415099

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-174146-1	CEB1-2'	Total/NA	Solid	3050B	
570-174146-2	CEB1-5'	Total/NA	Solid	3050B	
570-174146-4	CEB1-15'	Total/NA	Solid	3050B	
570-174146-5	CEB2-2'	Total/NA	Solid	3050B	
570-174146-6	CEB2-5'	Total/NA	Solid	3050B	
570-174146-7	CEB2-10'	Total/NA	Solid	3050B	
570-174146-9	CEB3-2'	Total/NA	Solid	3050B	
570-174146-10	CEB3-5'	Total/NA	Solid	3050B	
570-174146-11	CEB3-10'	Total/NA	Solid	3050B	
570-174146-12	CEB3-15'	Total/NA	Solid	3050B	
570-174146-13	CEB4-2'	Total/NA	Solid	3050B	
570-174146-15	CEB4-10'	Total/NA	Solid	3050B	
570-174146-16	CEB4-15'	Total/NA	Solid	3050B	
570-174146-17	CEB5-2'	Total/NA	Solid	3050B	
570-174146-18	CEB5-5'	Total/NA	Solid	3050B	
570-174146-19	CEB5-10'	Total/NA	Solid	3050B	
570-174146-20	CEB5-15'	Total/NA	Solid	3050B	
570-174146-21	CEB6-2'	Total/NA	Solid	3050B	
570-174146-22	CEB6-5'	Total/NA	Solid	3050B	
MB 570-415099/1-A ^5	Method Blank	Total/NA	Solid	3050B	
LCS 570-415099/2-A ^5	Lab Control Sample	Total/NA	Solid	3050B	
LCSD 570-415099/3-A ^5	Lab Control Sample Dup	Total/NA	Solid	3050B	
570-174146-7 MS	CEB2-10'	Total/NA	Solid	3050B	
570-174146-7 MSD	CEB2-10'	Total/NA	Solid	3050B	

Metals

Analysis Batch: 415500

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-174146-1	CEB1-2'	Total/NA	Solid	7471A	415093
570-174146-2	CEB1-5'	Total/NA	Solid	7471A	415093
570-174146-4	CEB1-15'	Total/NA	Solid	7471A	415093
570-174146-5	CEB2-2'	Total/NA	Solid	7471A	415093
570-174146-6	CEB2-5'	Total/NA	Solid	7471A	415093
570-174146-7	CEB2-10'	Total/NA	Solid	7471A	415093
MB 570-415093/1-A	Method Blank	Total/NA	Solid	7471A	415093
LCS 570-415093/2-A	Lab Control Sample	Total/NA	Solid	7471A	415093
LCSD 570-415093/3-A	Lab Control Sample Dup	Total/NA	Solid	7471A	415093
570-174146-7 MS	CEB2-10'	Total/NA	Solid	7471A	415093
570-174146-7 MSD	CEB2-10'	Total/NA	Solid	7471A	415093

Analysis Batch: 415525

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-174146-9	CEB3-2'	Total/NA	Solid	7471A	415093
570-174146-10	CEB3-5'	Total/NA	Solid	7471A	415093
570-174146-11	CEB3-10'	Total/NA	Solid	7471A	415093
570-174146-12	CEB3-15'	Total/NA	Solid	7471A	415093
570-174146-13	CEB4-2'	Total/NA	Solid	7471A	415093
570-174146-15	CEB4-10'	Total/NA	Solid	7471A	415093
570-174146-16	CEB4-15'	Total/NA	Solid	7471A	415093
570-174146-17	CEB5-2'	Total/NA	Solid	7471A	415093
570-174146-18	CEB5-5'	Total/NA	Solid	7471A	415093
570-174146-19	CEB5-10'	Total/NA	Solid	7471A	415093
570-174146-20	CEB5-15'	Total/NA	Solid	7471A	415093
570-174146-21	CEB6-2'	Total/NA	Solid	7471A	415093
570-174146-22	CEB6-5'	Total/NA	Solid	7471A	415093

Analysis Batch: 416566

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-174146-1	CEB1-2'	Total/NA	Solid	6010B	415099
570-174146-2	CEB1-5'	Total/NA	Solid	6010B	415099
570-174146-4	CEB1-15'	Total/NA	Solid	6010B	415099
570-174146-7	CEB2-10'	Total/NA	Solid	6010B	415099
MB 570-415099/1-A ^5	Method Blank	Total/NA	Solid	6010B	415099
LCS 570-415099/2-A ^5	Lab Control Sample	Total/NA	Solid	6010B	415099
LCSD 570-415099/3-A ^5	Lab Control Sample Dup	Total/NA	Solid	6010B	415099
570-174146-7 MS	CEB2-10'	Total/NA	Solid	6010B	415099
570-174146-7 MSD	CEB2-10'	Total/NA	Solid	6010B	415099

Analysis Batch: 416630

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-174146-5	CEB2-2'	Total/NA	Solid	6010B	415099
570-174146-6	CEB2-5'	Total/NA	Solid	6010B	415099
570-174146-9	CEB3-2'	Total/NA	Solid	6010B	415099
570-174146-10	CEB3-5'	Total/NA	Solid	6010B	415099
570-174146-11	CEB3-10'	Total/NA	Solid	6010B	415099
570-174146-12	CEB3-15'	Total/NA	Solid	6010B	415099
570-174146-13	CEB4-2'	Total/NA	Solid	6010B	415099
570-174146-15	CEB4-10'	Total/NA	Solid	6010B	415099
570-174146-16	CEB4-15'	Total/NA	Solid	6010B	415099

Metals

Analysis Batch: 416685

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-174146-17	CEB5-2'	Total/NA	Solid	6010B	415099
570-174146-18	CEB5-5'	Total/NA	Solid	6010B	415099
570-174146-19	CEB5-10'	Total/NA	Solid	6010B	415099
570-174146-20	CEB5-15'	Total/NA	Solid	6010B	415099
570-174146-21	CEB6-2'	Total/NA	Solid	6010B	415099
570-174146-22	CEB6-5'	Total/NA	Solid	6010B	415099

Lab Chronicle

Client: California Environmental
Project/Site: #3666 / 777 S. Alameda Street

Job ID: 570-174146-1

Client Sample ID: CEB1-2'

Date Collected: 02/27/24 07:20
Date Received: 02/27/24 18:20

Lab Sample ID: 570-174146-1
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			6.922 g	5 g	415133	02/28/24 17:21	X7LQ	EET CAL 4
Total/NA	Analysis	8260B		1	5 g	5 mL	415139	02/28/24 21:45	AJ4K	EET CAL 4
	Instrument ID: GCMSGGG									
Total/NA	Prep	5035			6.922 g	5 g	415133	02/28/24 17:21	X7LQ	EET CAL 4
Total/NA	Analysis	8260B/CA_LUFTMS		1	5 g	5 mL	415141	02/28/24 21:45	AJ4K	EET CAL 4
	Instrument ID: GCMSGGG_TPH									
Total/NA	Prep	3550C			9.89 g	10 mL	414991	02/28/24 13:02	JE	EET CAL 4
Total/NA	Analysis	8015B		5	10 mL	10 mL	415447	02/29/24 23:52	SP9M	EET CAL 4
	Instrument ID: GC48									
Total/NA	Prep	3050B			2.03 g	50 mL	415099	02/29/24 07:30	RL6Q	EET CAL 4
Total/NA	Analysis	6010B		5			416566	03/04/24 14:34	VZ0K	EET CAL 4
	Instrument ID: ICP11									
Total/NA	Prep	7471A			0.50 g	50 mL	415093	02/28/24 15:58	RL6Q	EET CAL 4
Total/NA	Analysis	7471A		1			415500	02/29/24 13:40	ECX6	EET CAL 4
	Instrument ID: HG7									

Client Sample ID: CEB1-5'

Date Collected: 02/27/24 07:30
Date Received: 02/27/24 18:20

Lab Sample ID: 570-174146-2
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			6.538 g	5 g	415133	02/28/24 17:21	X7LQ	EET CAL 4
Total/NA	Analysis	8260B		1	5 g	5 mL	415139	02/28/24 22:07	AJ4K	EET CAL 4
	Instrument ID: GCMSGGG									
Total/NA	Prep	5035			6.538 g	5 g	415133	02/28/24 17:21	X7LQ	EET CAL 4
Total/NA	Analysis	8260B/CA_LUFTMS		1	5 g	5 mL	415141	02/28/24 22:07	AJ4K	EET CAL 4
	Instrument ID: GCMSGGG_TPH									
Total/NA	Prep	3550C			9.73 g	10 mL	414991	02/28/24 13:02	JE	EET CAL 4
Total/NA	Analysis	8015B		1	10 mL	10 mL	415447	03/01/24 00:14	SP9M	EET CAL 4
	Instrument ID: GC48									
Total/NA	Prep	3050B			1.99 g	50 mL	415099	02/29/24 07:30	RL6Q	EET CAL 4
Total/NA	Analysis	6010B		5			416566	03/04/24 14:36	VZ0K	EET CAL 4
	Instrument ID: ICP11									
Total/NA	Prep	7471A			0.49 g	50 mL	415093	02/28/24 15:58	RL6Q	EET CAL 4
Total/NA	Analysis	7471A		1			415500	02/29/24 13:42	ECX6	EET CAL 4
	Instrument ID: HG7									

Client Sample ID: CEB1-15'

Date Collected: 02/27/24 07:45
Date Received: 02/27/24 18:20

Lab Sample ID: 570-174146-4
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			6.784 g	5 g	415133	02/28/24 17:21	X7LQ	EET CAL 4
Total/NA	Analysis	8260B		1	5 g	5 mL	415139	02/28/24 22:29	AJ4K	EET CAL 4
	Instrument ID: GCMSGGG									

Lab Chronicle

Client: California Environmental
Project/Site: #3666 / 777 S. Alameda Street

Job ID: 570-174146-1

Client Sample ID: CEB1-15'

Date Collected: 02/27/24 07:45
Date Received: 02/27/24 18:20

Lab Sample ID: 570-174146-4
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			6.784 g	5 g	415133	02/28/24 17:21	X7LQ	EET CAL 4
Total/NA	Analysis	8260B/CA_LUFTMS		1	5 g	5 mL	415141	02/28/24 22:29	AJ4K	EET CAL 4
	Instrument ID: GCMSGGG_TPH									
Total/NA	Prep	3550C			10.37 g	10 mL	414991	02/28/24 13:02	JE	EET CAL 4
Total/NA	Analysis	8015B		1	10 mL	10 mL	415447	03/01/24 00:36	SP9M	EET CAL 4
	Instrument ID: GC48									
Total/NA	Prep	3050B			2.03 g	50 mL	415099	02/29/24 07:30	RL6Q	EET CAL 4
Total/NA	Analysis	6010B		5			416566	03/04/24 14:43	VZ0K	EET CAL 4
	Instrument ID: ICP11									
Total/NA	Prep	7471A			0.52 g	50 mL	415093	02/28/24 15:58	RL6Q	EET CAL 4
Total/NA	Analysis	7471A		1			415500	02/29/24 13:44	ECX6	EET CAL 4
	Instrument ID: HG7									

Client Sample ID: CEB2-2'

Date Collected: 02/27/24 08:30
Date Received: 02/27/24 18:20

Lab Sample ID: 570-174146-5
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			6.598 g	5 g	415133	02/28/24 17:21	X7LQ	EET CAL 4
Total/NA	Analysis	8260B		1	5 g	5 mL	415139	02/28/24 22:50	AJ4K	EET CAL 4
	Instrument ID: GCMSGGG									
Total/NA	Prep	5035			6.598 g	5 g	415133	02/28/24 17:21	X7LQ	EET CAL 4
Total/NA	Analysis	8260B/CA_LUFTMS		1	5 g	5 mL	415141	02/28/24 22:50	AJ4K	EET CAL 4
	Instrument ID: GCMSGGG_TPH									
Total/NA	Prep	3550C			10.24 g	10 mL	414991	02/28/24 13:02	JE	EET CAL 4
Total/NA	Analysis	8015B		1	10 mL	10 mL	415447	03/01/24 00:59	SP9M	EET CAL 4
	Instrument ID: GC48									
Total/NA	Prep	3050B			2.00 g	50 mL	415099	02/29/24 07:30	RL6Q	EET CAL 4
Total/NA	Analysis	6010B		5			416630	03/04/24 17:38	P1R	EET CAL 4
	Instrument ID: ICP10									
Total/NA	Prep	7471A			0.53 g	50 mL	415093	02/28/24 15:58	RL6Q	EET CAL 4
Total/NA	Analysis	7471A		1			415500	02/29/24 13:46	ECX6	EET CAL 4
	Instrument ID: HG7									

Client Sample ID: CEB2-5'

Date Collected: 02/27/24 08:35
Date Received: 02/27/24 18:20

Lab Sample ID: 570-174146-6
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			7.098 g	5 g	415133	02/28/24 17:21	X7LQ	EET CAL 4
Total/NA	Analysis	8260B		1	5 g	5 mL	415139	02/28/24 23:12	AJ4K	EET CAL 4
	Instrument ID: GCMSGGG									

Lab Chronicle

Client: California Environmental
Project/Site: #3666 / 777 S. Alameda Street

Job ID: 570-174146-1

Client Sample ID: CEB2-5'

Date Collected: 02/27/24 08:35
Date Received: 02/27/24 18:20

Lab Sample ID: 570-174146-6
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			7.098 g	5 g	415133	02/28/24 17:21	X7LQ	EET CAL 4
Total/NA	Analysis	8260B/CA_LUFTMS		1	5 g	5 mL	415141	02/28/24 23:12	AJ4K	EET CAL 4
	Instrument ID: GCMSGGG_TPH									
Total/NA	Prep	3550C			10.20 g	10 mL	414991	02/28/24 13:02	JE	EET CAL 4
Total/NA	Analysis	8015B		1	10 mL	10 mL	415613	03/01/24 03:34	SP9M	EET CAL 4
	Instrument ID: GC48									
Total/NA	Prep	3050B			2.03 g	50 mL	415099	02/29/24 07:30	RL6Q	EET CAL 4
Total/NA	Analysis	6010B		5			416630	03/04/24 17:40	P1R	EET CAL 4
	Instrument ID: ICP10									
Total/NA	Prep	7471A			0.49 g	50 mL	415093	02/28/24 15:58	RL6Q	EET CAL 4
Total/NA	Analysis	7471A		1			415500	02/29/24 13:48	ECX6	EET CAL 4
	Instrument ID: HG7									

Client Sample ID: CEB2-10'

Date Collected: 02/27/24 08:40
Date Received: 02/27/24 18:20

Lab Sample ID: 570-174146-7
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			6.232 g	5 g	415133	02/28/24 17:21	X7LQ	EET CAL 4
Total/NA	Analysis	8260B		1	5 g	5 mL	415139	02/28/24 23:34	AJ4K	EET CAL 4
	Instrument ID: GCMSGGG									
Total/NA	Prep	5035			6.232 g	5 g	415133	02/28/24 17:21	X7LQ	EET CAL 4
Total/NA	Analysis	8260B/CA_LUFTMS		1	5 g	5 mL	415141	02/28/24 23:34	AJ4K	EET CAL 4
	Instrument ID: GCMSGGG_TPH									
Total/NA	Prep	3550C			10.17 g	10 mL	414991	02/28/24 13:02	JE	EET CAL 4
Total/NA	Analysis	8015B		1	10 mL	10 mL	415613	03/01/24 03:56	SP9M	EET CAL 4
	Instrument ID: GC48									
Total/NA	Prep	3050B			2.04 g	50 mL	415099	02/29/24 07:30	RL6Q	EET CAL 4
Total/NA	Analysis	6010B		5			416566	03/04/24 13:52	VZ0K	EET CAL 4
	Instrument ID: ICP11									
Total/NA	Prep	7471A			0.50 g	50 mL	415093	02/28/24 15:58	RL6Q	EET CAL 4
Total/NA	Analysis	7471A		1			415500	02/29/24 13:34	ECX6	EET CAL 4
	Instrument ID: HG7									

Client Sample ID: CEB3-2'

Date Collected: 02/27/24 09:31
Date Received: 02/27/24 18:20

Lab Sample ID: 570-174146-9
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			7.6 g	5 g	415133	02/28/24 17:21	X7LQ	EET CAL 4
Total/NA	Analysis	8260B		1	5 g	5 mL	415139	02/28/24 23:55	AJ4K	EET CAL 4
	Instrument ID: GCMSGGG									

Lab Chronicle

Client: California Environmental
Project/Site: #3666 / 777 S. Alameda Street

Job ID: 570-174146-1

Client Sample ID: CEB3-2'

Date Collected: 02/27/24 09:31
Date Received: 02/27/24 18:20

Lab Sample ID: 570-174146-9
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			7.6 g	5 g	415133	02/28/24 17:21	X7LQ	EET CAL 4
Total/NA	Analysis	8260B/CA_LUFTMS		1	5 g	5 mL	415141	02/28/24 23:55	AJ4K	EET CAL 4
	Instrument ID: GCMSGGG_TPH									
Total/NA	Prep	3550C			10.26 g	10 mL	414991	02/28/24 13:02	JE	EET CAL 4
Total/NA	Analysis	8015B		1	10 mL	10 mL	415613	03/01/24 04:18	SP9M	EET CAL 4
	Instrument ID: GC48									
Total/NA	Prep	3050B			2.02 g	50 mL	415099	02/29/24 07:30	RL6Q	EET CAL 4
Total/NA	Analysis	6010B		5			416630	03/04/24 17:43	P1R	EET CAL 4
	Instrument ID: ICP10									
Total/NA	Prep	7471A			0.52 g	50 mL	415093	02/28/24 15:58	RL6Q	EET CAL 4
Total/NA	Analysis	7471A		1			415525	02/29/24 15:15	ECX6	EET CAL 4
	Instrument ID: HG7									

Client Sample ID: CEB3-5'

Date Collected: 02/27/24 09:35
Date Received: 02/27/24 18:20

Lab Sample ID: 570-174146-10
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			6.537 g	5 g	415133	02/28/24 17:21	X7LQ	EET CAL 4
Total/NA	Analysis	8260B		1	5 g	5 mL	415139	02/29/24 00:17	AJ4K	EET CAL 4
	Instrument ID: GCMSGGG									
Total/NA	Prep	5035			6.537 g	5 g	415133	02/28/24 17:21	X7LQ	EET CAL 4
Total/NA	Analysis	8260B/CA_LUFTMS		1	5 g	5 mL	415141	02/29/24 00:17	AJ4K	EET CAL 4
	Instrument ID: GCMSGGG_TPH									
Total/NA	Prep	3550C			9.93 g	10 mL	414991	02/28/24 13:02	JE	EET CAL 4
Total/NA	Analysis	8015B		1	10 mL	10 mL	415613	03/01/24 04:39	SP9M	EET CAL 4
	Instrument ID: GC48									
Total/NA	Prep	3050B			2.04 g	50 mL	415099	02/29/24 07:30	RL6Q	EET CAL 4
Total/NA	Analysis	6010B		5			416630	03/04/24 17:45	P1R	EET CAL 4
	Instrument ID: ICP10									
Total/NA	Prep	7471A			0.50 g	50 mL	415093	02/28/24 15:58	RL6Q	EET CAL 4
Total/NA	Analysis	7471A		1			415525	02/29/24 15:17	ECX6	EET CAL 4
	Instrument ID: HG7									

Client Sample ID: CEB3-10'

Date Collected: 02/27/24 09:41
Date Received: 02/27/24 18:20

Lab Sample ID: 570-174146-11
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			6.64 g	5 g	415133	02/28/24 17:21	X7LQ	EET CAL 4
Total/NA	Analysis	8260B		1	5 g	5 mL	415139	02/29/24 00:39	AJ4K	EET CAL 4
	Instrument ID: GCMSGGG									

Lab Chronicle

Client: California Environmental
Project/Site: #3666 / 777 S. Alameda Street

Job ID: 570-174146-1

Client Sample ID: CEB3-10'

Date Collected: 02/27/24 09:41
Date Received: 02/27/24 18:20

Lab Sample ID: 570-174146-11
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			6.64 g	5 g	415133	02/28/24 17:21	X7LQ	EET CAL 4
Total/NA	Analysis	8260B/CA_LUFTMS		1	5 g	5 mL	415141	02/29/24 00:39	AJ4K	EET CAL 4
	Instrument ID: GCMSGGG_TPH									
Total/NA	Prep	3550C			10.42 g	10 mL	414991	02/28/24 13:02	JE	EET CAL 4
Total/NA	Analysis	8015B		1	10 mL	10 mL	415613	03/01/24 05:02	SP9M	EET CAL 4
	Instrument ID: GC48									
Total/NA	Prep	3050B			2.02 g	50 mL	415099	02/29/24 07:30	RL6Q	EET CAL 4
Total/NA	Analysis	6010B		5			416630	03/04/24 17:48	P1R	EET CAL 4
	Instrument ID: ICP10									
Total/NA	Prep	7471A			0.50 g	50 mL	415093	02/28/24 15:58	RL6Q	EET CAL 4
Total/NA	Analysis	7471A		1			415525	02/29/24 15:19	ECX6	EET CAL 4
	Instrument ID: HG7									

Client Sample ID: CEB3-15'

Date Collected: 02/27/24 09:45
Date Received: 02/27/24 18:20

Lab Sample ID: 570-174146-12
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			6.168 g	5 g	415133	02/28/24 17:21	X7LQ	EET CAL 4
Total/NA	Analysis	8260B		1	5 g	5 mL	415139	02/29/24 01:00	AJ4K	EET CAL 4
	Instrument ID: GCMSGGG									
Total/NA	Prep	5035			6.168 g	5 g	415133	02/28/24 17:21	X7LQ	EET CAL 4
Total/NA	Analysis	8260B/CA_LUFTMS		1	5 g	5 mL	415141	02/29/24 01:00	AJ4K	EET CAL 4
	Instrument ID: GCMSGGG_TPH									
Total/NA	Prep	3550C			10.21 g	10 mL	414991	02/28/24 13:02	JE	EET CAL 4
Total/NA	Analysis	8015B		1	10 mL	10 mL	415613	03/01/24 05:24	SP9M	EET CAL 4
	Instrument ID: GC48									
Total/NA	Prep	3050B			2.01 g	50 mL	415099	02/29/24 07:30	RL6Q	EET CAL 4
Total/NA	Analysis	6010B		5			416630	03/04/24 17:50	P1R	EET CAL 4
	Instrument ID: ICP10									
Total/NA	Prep	7471A			0.52 g	50 mL	415093	02/28/24 15:58	RL6Q	EET CAL 4
Total/NA	Analysis	7471A		1			415525	02/29/24 15:21	ECX6	EET CAL 4
	Instrument ID: HG7									

Client Sample ID: CEB4-2'

Date Collected: 02/27/24 10:15
Date Received: 02/27/24 18:20

Lab Sample ID: 570-174146-13
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			6.135 g	5 g	415133	02/28/24 17:21	X7LQ	EET CAL 4
Total/NA	Analysis	8260B		1	5 g	5 mL	415139	02/29/24 01:22	AJ4K	EET CAL 4
	Instrument ID: GCMSGGG									

Lab Chronicle

Client: California Environmental
Project/Site: #3666 / 777 S. Alameda Street

Job ID: 570-174146-1

Client Sample ID: CEB4-2'

Date Collected: 02/27/24 10:15
Date Received: 02/27/24 18:20

Lab Sample ID: 570-174146-13
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			6.135 g	5 g	415133	02/28/24 17:21	X7LQ	EET CAL 4
Total/NA	Analysis	8260B/CA_LUFTMS		1	5 g	5 mL	415141	02/29/24 01:22	AJ4K	EET CAL 4
	Instrument ID: GCMSGGG_TPH									
Total/NA	Prep	3550C			9.91 g	10 mL	414991	02/28/24 13:02	JE	EET CAL 4
Total/NA	Analysis	8015B		1	10 mL	10 mL	415613	03/01/24 05:46	SP9M	EET CAL 4
	Instrument ID: GC48									
Total/NA	Prep	3050B			2.03 g	50 mL	415099	02/29/24 07:30	RL6Q	EET CAL 4
Total/NA	Analysis	6010B		5			416630	03/04/24 17:53	P1R	EET CAL 4
	Instrument ID: ICP10									
Total/NA	Prep	7471A			0.49 g	50 mL	415093	02/28/24 15:58	RL6Q	EET CAL 4
Total/NA	Analysis	7471A		1			415525	02/29/24 15:23	ECX6	EET CAL 4
	Instrument ID: HG7									

Client Sample ID: CEB4-10'

Date Collected: 02/27/24 10:20
Date Received: 02/27/24 18:20

Lab Sample ID: 570-174146-15
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			6.019 g	5 g	415133	02/28/24 17:21	X7LQ	EET CAL 4
Total/NA	Analysis	8260B		1	5 g	5 mL	415139	02/29/24 01:44	AJ4K	EET CAL 4
	Instrument ID: GCMSGGG									
Total/NA	Prep	5035			6.019 g	5 g	415133	02/28/24 17:21	X7LQ	EET CAL 4
Total/NA	Analysis	8260B/CA_LUFTMS		1	5 g	5 mL	415141	02/29/24 01:44	AJ4K	EET CAL 4
	Instrument ID: GCMSGGG_TPH									
Total/NA	Prep	3550C			9.81 g	10 mL	414991	02/28/24 13:02	JE	EET CAL 4
Total/NA	Analysis	8015B		1	10 mL	10 mL	415613	03/01/24 06:08	SP9M	EET CAL 4
	Instrument ID: GC48									
Total/NA	Prep	3050B			2.03 g	50 mL	415099	02/29/24 07:30	RL6Q	EET CAL 4
Total/NA	Analysis	6010B		5			416630	03/04/24 17:55	P1R	EET CAL 4
	Instrument ID: ICP10									
Total/NA	Prep	7471A			0.51 g	50 mL	415093	02/28/24 15:58	RL6Q	EET CAL 4
Total/NA	Analysis	7471A		1			415525	02/29/24 15:25	ECX6	EET CAL 4
	Instrument ID: HG7									

Client Sample ID: CEB4-15'

Date Collected: 02/27/24 10:24
Date Received: 02/27/24 18:20

Lab Sample ID: 570-174146-16
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			6.168 g	5 g	415133	02/28/24 17:21	X7LQ	EET CAL 4
Total/NA	Analysis	8260B		1	5 g	5 mL	415139	02/29/24 02:06	AJ4K	EET CAL 4
	Instrument ID: GCMSGGG									

Lab Chronicle

Client: California Environmental
Project/Site: #3666 / 777 S. Alameda Street

Job ID: 570-174146-1

Client Sample ID: CEB4-15'

Date Collected: 02/27/24 10:24
Date Received: 02/27/24 18:20

Lab Sample ID: 570-174146-16
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			6.168 g	5 g	415133	02/28/24 17:21	X7LQ	EET CAL 4
Total/NA	Analysis	8260B/CA_LUFTMS		1	5 g	5 mL	415141	02/29/24 02:06	AJ4K	EET CAL 4
	Instrument ID: GCMSGGG_TPH									
Total/NA	Prep	3550C			9.96 g	10 mL	414991	02/28/24 13:02	JE	EET CAL 4
Total/NA	Analysis	8015B		1	10 mL	10 mL	415613	03/01/24 06:30	SP9M	EET CAL 4
	Instrument ID: GC48									
Total/NA	Prep	3050B			1.99 g	50 mL	415099	02/29/24 07:30	RL6Q	EET CAL 4
Total/NA	Analysis	6010B		5			416630	03/04/24 17:58	P1R	EET CAL 4
	Instrument ID: ICP10									
Total/NA	Prep	7471A			0.52 g	50 mL	415093	02/28/24 15:58	RL6Q	EET CAL 4
Total/NA	Analysis	7471A		1			415525	02/29/24 15:27	ECX6	EET CAL 4
	Instrument ID: HG7									

Client Sample ID: CEB5-2'

Date Collected: 02/27/24 12:01
Date Received: 02/27/24 18:20

Lab Sample ID: 570-174146-17
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.87 g	5 g	415133	02/28/24 17:21	X7LQ	EET CAL 4
Total/NA	Analysis	8260B		1	5 g	5 mL	415139	02/29/24 02:27	AJ4K	EET CAL 4
	Instrument ID: GCMSGGG									
Total/NA	Prep	5035			5.87 g	5 g	415133	02/28/24 17:21	X7LQ	EET CAL 4
Total/NA	Analysis	8260B/CA_LUFTMS		1	5 g	5 mL	415141	02/29/24 02:27	AJ4K	EET CAL 4
	Instrument ID: GCMSGGG_TPH									
Total/NA	Prep	3550C			10.01 g	10 mL	414991	02/28/24 13:02	JE	EET CAL 4
Total/NA	Analysis	8015B		1	10 mL	10 mL	415613	03/01/24 06:51	SP9M	EET CAL 4
	Instrument ID: GC48									
Total/NA	Prep	3050B			2.02 g	50 mL	415099	02/29/24 07:30	RL6Q	EET CAL 4
Total/NA	Analysis	6010B		5			416685	03/04/24 18:07	P1R	EET CAL 4
	Instrument ID: ICP10									
Total/NA	Prep	7471A			0.49 g	50 mL	415093	02/28/24 15:58	RL6Q	EET CAL 4
Total/NA	Analysis	7471A		1			415525	02/29/24 15:29	ECX6	EET CAL 4
	Instrument ID: HG7									

Client Sample ID: CEB5-5'

Date Collected: 02/27/24 12:04
Date Received: 02/27/24 18:20

Lab Sample ID: 570-174146-18
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.696 g	5 g	415133	02/28/24 17:21	X7LQ	EET CAL 4
Total/NA	Analysis	8260B		1	5 g	5 mL	415139	02/29/24 02:49	AJ4K	EET CAL 4
	Instrument ID: GCMSGGG									

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Client: California Environmental
Project/Site: #3666 / 777 S. Alameda Street

Job ID: 570-174146-1

Client Sample ID: CEB5-5'

Date Collected: 02/27/24 12:04
Date Received: 02/27/24 18:20

Lab Sample ID: 570-174146-18
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.696 g	5 g	415133	02/28/24 17:21	X7LQ	EET CAL 4
Total/NA	Analysis	8260B/CA_LUFTMS		1	5 g	5 mL	415141	02/29/24 02:49	AJ4K	EET CAL 4
	Instrument ID: GCMSGGG_TPH									
Total/NA	Prep	3550C			10.23 g	10 mL	414991	02/28/24 13:02	JE	EET CAL 4
Total/NA	Analysis	8015B		1	10 mL	10 mL	415613	03/01/24 07:14	SP9M	EET CAL 4
	Instrument ID: GC48									
Total/NA	Prep	3050B			2.02 g	50 mL	415099	02/29/24 07:30	RL6Q	EET CAL 4
Total/NA	Analysis	6010B		5			416685	03/04/24 18:10	P1R	EET CAL 4
	Instrument ID: ICP10									
Total/NA	Prep	7471A			0.51 g	50 mL	415093	02/28/24 15:58	RL6Q	EET CAL 4
Total/NA	Analysis	7471A		1			415525	02/29/24 15:35	ECX6	EET CAL 4
	Instrument ID: HG7									

Client Sample ID: CEB5-10'

Date Collected: 02/27/24 12:10
Date Received: 02/27/24 18:20

Lab Sample ID: 570-174146-19
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.618 g	5 g	415133	02/28/24 17:21	X7LQ	EET CAL 4
Total/NA	Analysis	8260B		1	5 g	5 mL	415139	02/29/24 03:11	AJ4K	EET CAL 4
	Instrument ID: GCMSGGG									
Total/NA	Prep	5035			5.618 g	5 g	415133	02/28/24 17:21	X7LQ	EET CAL 4
Total/NA	Analysis	8260B/CA_LUFTMS		1	5 g	5 mL	415141	02/29/24 03:11	AJ4K	EET CAL 4
	Instrument ID: GCMSGGG_TPH									
Total/NA	Prep	3550C			10.21 g	10 mL	414991	02/28/24 13:02	JE	EET CAL 4
Total/NA	Analysis	8015B		1	10 mL	10 mL	415613	03/01/24 07:36	SP9M	EET CAL 4
	Instrument ID: GC48									
Total/NA	Prep	3050B			2.04 g	50 mL	415099	02/29/24 07:30	RL6Q	EET CAL 4
Total/NA	Analysis	6010B		5			416685	03/04/24 18:12	P1R	EET CAL 4
	Instrument ID: ICP10									
Total/NA	Prep	7471A			0.50 g	50 mL	415093	02/28/24 15:58	RL6Q	EET CAL 4
Total/NA	Analysis	7471A		1			415525	02/29/24 15:37	ECX6	EET CAL 4
	Instrument ID: HG7									

Client Sample ID: CEB5-15'

Date Collected: 02/27/24 12:15
Date Received: 02/27/24 18:20

Lab Sample ID: 570-174146-20
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.76 g	5 g	415133	02/28/24 17:21	X7LQ	EET CAL 4
Total/NA	Analysis	8260B		1	5 g	5 mL	415139	02/29/24 03:33	AJ4K	EET CAL 4
	Instrument ID: GCMSGGG									

Lab Chronicle

Client: California Environmental
Project/Site: #3666 / 777 S. Alameda Street

Job ID: 570-174146-1

Client Sample ID: CEB5-15'

Date Collected: 02/27/24 12:15
Date Received: 02/27/24 18:20

Lab Sample ID: 570-174146-20
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.76 g	5 g	415133	02/28/24 17:21	X7LQ	EET CAL 4
Total/NA	Analysis	8260B/CA_LUFTMS		1	5 g	5 mL	415141	02/29/24 03:33	AJ4K	EET CAL 4
	Instrument ID: GCMSGGG_TPH									
Total/NA	Prep	3550C			9.94 g	10 mL	414991	02/28/24 13:02	JE	EET CAL 4
Total/NA	Analysis	8015B		1	10 mL	10 mL	415613	03/01/24 07:58	SP9M	EET CAL 4
	Instrument ID: GC48									
Total/NA	Prep	3050B			2.04 g	50 mL	415099	02/29/24 07:30	RL6Q	EET CAL 4
Total/NA	Analysis	6010B		5			416685	03/04/24 18:15	P1R	EET CAL 4
	Instrument ID: ICP10									
Total/NA	Prep	7471A			0.53 g	50 mL	415093	02/28/24 15:58	RL6Q	EET CAL 4
Total/NA	Analysis	7471A		1			415525	02/29/24 15:39	ECX6	EET CAL 4
	Instrument ID: HG7									

Client Sample ID: CEB6-2'

Date Collected: 02/27/24 13:01
Date Received: 02/27/24 18:20

Lab Sample ID: 570-174146-21
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			6.519 g	5 g	415133	02/28/24 17:21	X7LQ	EET CAL 4
Total/NA	Analysis	8260B		1	5 g	5 mL	415139	02/29/24 03:54	AJ4K	EET CAL 4
	Instrument ID: GCMSGGG									
Total/NA	Prep	5035			6.519 g	5 g	415133	02/28/24 17:21	X7LQ	EET CAL 4
Total/NA	Analysis	8260B/CA_LUFTMS		1	5 g	5 mL	415141	02/29/24 03:54	AJ4K	EET CAL 4
	Instrument ID: GCMSGGG_TPH									
Total/NA	Prep	3550C			9.92 g	10 mL	414991	02/28/24 13:02	JE	EET CAL 4
Total/NA	Analysis	8015B		1	10 mL	10 mL	415613	03/01/24 08:20	SP9M	EET CAL 4
	Instrument ID: GC48									
Total/NA	Prep	3050B			1.99 g	50 mL	415099	02/29/24 07:30	RL6Q	EET CAL 4
Total/NA	Analysis	6010B		5			416685	03/04/24 18:17	P1R	EET CAL 4
	Instrument ID: ICP10									
Total/NA	Prep	7471A			0.53 g	50 mL	415093	02/28/24 15:58	RL6Q	EET CAL 4
Total/NA	Analysis	7471A		1			415525	02/29/24 15:41	ECX6	EET CAL 4
	Instrument ID: HG7									

Client Sample ID: CEB6-5'

Date Collected: 02/27/24 13:04
Date Received: 02/27/24 18:20

Lab Sample ID: 570-174146-22
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			6.474 g	5 g	415133	02/28/24 17:21	X7LQ	EET CAL 4
Total/NA	Analysis	8260B		1	5 g	5 mL	415139	02/29/24 04:16	AJ4K	EET CAL 4
	Instrument ID: GCMSGGG									

Lab Chronicle

Client: California Environmental
Project/Site: #3666 / 777 S. Alameda Street

Job ID: 570-174146-1

Client Sample ID: CEB6-5'

Date Collected: 02/27/24 13:04
Date Received: 02/27/24 18:20

Lab Sample ID: 570-174146-22

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			6.474 g	5 g	415133	02/28/24 17:21	X7LQ	EET CAL 4
Total/NA	Analysis	8260B/CA_LUFTMS		1	5 g	5 mL	415141	02/29/24 04:16	AJ4K	EET CAL 4
	Instrument ID: GCMSGGG_TPH									
Total/NA	Prep	3550C			10.01 g	10 mL	414991	02/28/24 13:02	JE	EET CAL 4
Total/NA	Analysis	8015B		1	10 mL	10 mL	415613	03/01/24 08:42	SP9M	EET CAL 4
	Instrument ID: GC48									
Total/NA	Prep	3050B			2.03 g	50 mL	415099	02/29/24 07:30	RL6Q	EET CAL 4
Total/NA	Analysis	6010B		5			416685	03/04/24 18:19	P1R	EET CAL 4
	Instrument ID: ICP10									
Total/NA	Prep	7471A			0.52 g	50 mL	415093	02/28/24 15:58	RL6Q	EET CAL 4
Total/NA	Analysis	7471A		1			415525	02/29/24 15:43	ECX6	EET CAL 4
	Instrument ID: HG7									

Laboratory References:

EET CAL 4 = Eurofins Calscience Tustin, 2841 Dow Avenue, Tustin, CA 92780, TEL (714)895-5494

Accreditation/Certification Summary

Client: California Environmental
Job ID: 570-174146-1
Project/Site: #3666 / 777 S. Alameda Street

Laboratory: Eurofins Calscience

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
California	State	3082	07-31-24

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
8260B	5035	Solid	1,1,2-Trichloro-1,2,2-trifluoroethane
8260B	5035	Solid	1,1-Dichloropropene
8260B	5035	Solid	1,2,3-Trichlorobenzene
8260B	5035	Solid	1,2,4-Trimethylbenzene
8260B	5035	Solid	1,3,5-Trimethylbenzene
8260B	5035	Solid	1,3-Dichloropropane
8260B	5035	Solid	2,2-Dichloropropane
8260B	5035	Solid	2-Butanone
8260B	5035	Solid	2-Chlorotoluene
8260B	5035	Solid	2-Hexanone
8260B	5035	Solid	Acetone
8260B	5035	Solid	Ethanol
8260B	5035	Solid	Isopropylbenzene
8260B	5035	Solid	p-Isopropyltoluene
8260B	5035	Solid	Vinyl acetate

Oregon	NELAP	4175	02-03-25

Method Summary

Client: California Environmental
Project/Site: #3666 / 777 S. Alameda Street

Job ID: 570-174146-1

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	EET CAL 4
8260B/CA_LUFTMS	Volatile Organic Compounds by GC/MS	SW846	EET CAL 4
8015B	Diesel Range Organics (DRO) (GC)	SW846	EET CAL 4
6010B	Metals (ICP)	SW846	EET CAL 4
7471A	Mercury (CVAA)	SW846	EET CAL 4
3050B	Preparation, Metals	SW846	EET CAL 4
3550C	Ultrasonic Extraction	SW846	EET CAL 4
5035	Closed System Purge and Trap	SW846	EET CAL 4
7471A	Preparation, Mercury	SW846	EET CAL 4

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

EET CAL 4 = Eurofins Calscience Tustin, 2841 Dow Avenue, Tustin, CA 92780, TEL (714)895-5494

Sample Summary

Client: California Environmental
Project/Site: #3666 / 777 S. Alameda Street

Job ID: 570-174146-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
570-174146-1	CEB1-2'	Solid	02/27/24 07:20	02/27/24 18:20
570-174146-2	CEB1-5'	Solid	02/27/24 07:30	02/27/24 18:20
570-174146-4	CEB1-15'	Solid	02/27/24 07:45	02/27/24 18:20
570-174146-5	CEB2-2'	Solid	02/27/24 08:30	02/27/24 18:20
570-174146-6	CEB2-5'	Solid	02/27/24 08:35	02/27/24 18:20
570-174146-7	CEB2-10'	Solid	02/27/24 08:40	02/27/24 18:20
570-174146-9	CEB3-2'	Solid	02/27/24 09:31	02/27/24 18:20
570-174146-10	CEB3-5'	Solid	02/27/24 09:35	02/27/24 18:20
570-174146-11	CEB3-10'	Solid	02/27/24 09:41	02/27/24 18:20
570-174146-12	CEB3-15'	Solid	02/27/24 09:45	02/27/24 18:20
570-174146-13	CEB4-2'	Solid	02/27/24 10:15	02/27/24 18:20
570-174146-15	CEB4-10'	Solid	02/27/24 10:20	02/27/24 18:20
570-174146-16	CEB4-15'	Solid	02/27/24 10:24	02/27/24 18:20
570-174146-17	CEB5-2'	Solid	02/27/24 12:01	02/27/24 18:20
570-174146-18	CEB5-5'	Solid	02/27/24 12:04	02/27/24 18:20
570-174146-19	CEB5-10'	Solid	02/27/24 12:10	02/27/24 18:20
570-174146-20	CEB5-15'	Solid	02/27/24 12:15	02/27/24 18:20
570-174146-21	CEB6-2'	Solid	02/27/24 13:01	02/27/24 18:20
570-174146-22	CEB6-5'	Solid	02/27/24 13:04	02/27/24 18:20

Erick Ovalle

From: eric@calenviro.com
Sent: Thursday, February 29, 2024 3:45 PM
To: Erick Ovalle; 'Data Labs'
Subject: RE: 570-174146-1 #3666 / 777 S. Alameda Street Sample Confirmation files from Eurofins Southwest

CAUTION: EXTERNAL EMAIL - Sent from an email domain that is not formally trusted by Eurofins.

Do not click on links or open attachments unless you recognise the sender and are certain that the content is safe.

Hi Erick,

Please add the ' to the end of all of foot depth on pages 1 & 3.

Thank you for updating the year to 2024.

Noted regarding samples 23 & 24. Please just hold that jar for pending future analysis.

Best,

ERIC KOONS, SENIOR ENVIRONMENTAL SCIENTIST

CalEnviro
geologists & engineers

30423 Canwood Street - #208
Agoura Hills, CA 91301
C - 805-300-0942, O – 818-991-15542
Engineering Contractor A732377
Hazardous Waste Substance Removal
www.calenviro.com

From: Erick Ovalle <TALS@reports.et.eurofinsus.com>
Sent: Thursday, February 29, 2024 3:15 PM
To: Data Labs <labs@calenviro.com>
Subject: 570-174146-1 #3666 / 777 S. Alameda Street Sample Confirmation files from Eurofins Southwest

Hello,

Attached, please find the Sample Confirmation files for job 570-174146-1; #3666 / 777 S. Alameda Street

COC page 2, samples 11 through 20: The sample IDs have an ' following the foot depth while pages 1 and 3 did not. Please confirm if we need to add the ' to pages 1 and 3 or to remove it from page 2?

COC page 3: The collection year listed on the COC references 2004. We update the collection year to match 2024.

Samples 23 and 24: We received one soil jar for each sample instead of 4 along with the 5035 kit.

Please feel free to contact me if you have any questions.

Thank you.

Erick Ovalle
Project Manager

Eurofins Calscience
Phone: 657-210-6331
Mobile: 657-250-2681

E-mail: Erick.Ovalle@et.eurofinsus.com
www.eurofinsus.com/env



Reference: [570-603773]
Attachments: 2

> > Bank information has changed, please refer to remittance information on invoice. < <

eurofins | Calscience

7440 Lincoln Way, Garden Grove, CA 92841-1427 • (714) 895-5494
For courier service / sample drop off information, contact us26_sales@eurofinsus.com or call us.

570-174146 Chain of Custody

Loc: 570

CHAIN OF CUSTOD 174146

DATE: 2/27/24

PAGE: 1 OF 3

LABORATORY CLIENT: California Environmental	CLIENT PROJECT NAME / NUMBER: #3666 / 777 S. Alameda Street
ADDRESS: 30423 Canwood Street, Suite 208	P.O. NO.: ~~5P019090~~
CITY: Agoura Hills STATE: CA ZIP: 91301	PROJECT CONTACT: Eric Koons
TEL: 818-991-1542 E-MAIL: eric@calenviro.com	SAMPLER(S): (PRINT) CB

TURNAROUND TIME (Rush surcharges may apply to any TAT not "STANDARD"):
☐ SAME DAY ☐ 24 HR ☐ 48 HR ☐ 72 HR ☐ 5 DAYS ☒ STANDARD

☐ COELT EDF | GLOBAL ID: | LOG CODE:

SPECIAL INSTRUCTIONS:

REQUESTED ANALYSES

Please check box or fill in blank as needed.

LAB USE ONLY	SAMPLE ID	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	Unpreserved	Preserved	Field Filtered	VOCs + GRO (8260/5035)	DRO + MRO (8015)	Title 22 Metals (6010 / 7471A)
1	CEB1-2	2/27/24	7:20		4				X	X	X
2	CEB1-5		7:30		4				X	X	X
3	CEB1-10		7:40		1	Hold					
4	CEB1-15		7:45		4				X	X	X
5	CEB2-2		8:30		4				X	X	X
6	CEB2-5		8:35		4				X	X	X
7	CEB2-10		8:40		4				X	X	X
8	CEB2-15		8:43		4	Hold					
9	CEB3-2		9:31		4				X	X	X
10	CEB3-5		9:35		4				X	X	X

Relinquished by: (Signature) Burkly	Received by: (Signature/Affiliation) EC	Date: 2/27/24	Time: 1320
Relinquished by: (Signature) EC	Received by: (Signature/Affiliation) EC	Date: 2/27/24	Time: 1820
Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date:	Time:

2.9/3.1 SCS

3/5/2024

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CHAIN OF CUSTODY RECORD

WO # / LAB USE ONLY

DATE: 2/27/24

PAGE: 2 OF 3

LABORATORY CLIENT: California Environmental

ADDRESS: 30423 Canwood Street, Suite 208

CITY: Agoura Hills STATE: CA ZIP: 91301

TEL: 818-991-1542 E-MAIL: eric@calenviro.com

CLIENT PROJECT NAME / NUMBER: #3666 / 777 S. Alameda Street

P.O. NO.: ~~57010000~~

PROJECT CONTACT: Eric Koons

SAMPLER(S): (PRINT) CB

TURNAROUND TIME (Rush surcharges may apply to any TAT not "STANDARD"):
☐ SAME DAY ☐ 24 HR ☐ 48 HR ☐ 72 HR ☐ 5 DAYS ☒ STANDARD

☐ COELT EDF GLOBAL ID: LOG CODE:

SPECIAL INSTRUCTIONS:

REQUESTED ANALYSES

Please check box or fill in blank as needed.

LAB USE ONLY	SAMPLE ID	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	Unpreserved	Preserved	Field Filtered	VOCs + GRO (8260/5035)	DRO + MRO (8015)	Title 22 Metals (6010 / 7471A)
11	CEB3-10'	2/27/24	9:41	Soil	4				X	X	X
12	CEB3-15'		9:45		4				X	X	X
13	CEB4-2'		10:15		4				X	X	X
14	CEB4-5'		10:17		4	Hold					
15	CEB4-10'		10:20		4				X	X	X
16	CEB4-15'		10:24		4				X	X	X
17	CEB5-2'		12:01		4				X	X	X
18	CEB5-5'		12:04		4				X	X	X
19	CEB5-10'		12:10		4				X	X	X
20	CEB5-15'	↓	12:15	↓	4				X	X	X

Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date:	Time:
[signature]	[signature] EC	2/27/24	1320
[signature] EC	[signature] FC	2/27/24	1820

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For courier service / sample drop off information, contact us26_sales@eurofinsus.com or call us.

CHAIN OF CUSTODY RECORD

WO # / LAB USE ONLY:

DATE: 2/27/24

PAGE: 3 OF 3

LABORATORY CLIENT: California Environmental

ADDRESS: 30423 Canwood Street, Suite 208

CITY: Agoura Hills STATE: CA ZIP: 91301

TEL: 818-991-1542 E-MAIL: eric@calenviro.com

CLIENT PROJECT NAME / NUMBER: #3666 / 777 S. Alameda Street

P.O. NO.: ~~57010000~~

PROJECT CONTACT: Eric Koons

SAMPLER(S): (PRINT) CS

TURNAROUND TIME (Rush surcharges may apply to any TAT not "STANDARD"):
☐ SAME DAY ☐ 24 HR ☐ 48 HR ☐ 72 HR ☐ 5 DAYS ☒ STANDARD

☐ COELT EDF GLOBAL ID: LOG CODE:

SPECIAL INSTRUCTIONS:

REQUESTED ANALYSES

Please check box or fill in blank as needed.

LAB USE ONLY	SAMPLE ID	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	Unpreserved	Preserved	Field Filtered	VOCs + GRO (8260/5035)	DRO + MRO (8015)	Title 22 Metals (6010 / 7471A)
21	CEB6-2	2/27/24	1:01	Soil	4				X	X	X
22	CEB6-5		1:04						X	X	X
23	CEB6-10		1:11			Hold					
	CEB6-15		1:15			Hold					

Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date:	Time:
	EC	2/27/24	1320
Relinquished by: (Signature) EC	Received by: (Signature/Affiliation) EC	Date: 2/27/24	Time: 1820
Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date:	Time:

Login Sample Receipt Checklist

Client: California Environmental

Job Number: 570-174146-1

Login Number: 174146
List Number: 1
Creator: Gonzalez, Juan

List Source: Eurofins Calscience

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	False	Refer to Job Narrative for details.
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Eric Koons
California Environmental
30423 Canwood Street
Suite 208
Agoura Hills, California 91301

Generated 3/7/2024 1:16:47 PM

JOB DESCRIPTION

#3666 / 777 S. Alameda Street

JOB NUMBER

570-174496-1

Eurofins Calscience
2841 Dow Avenue, Suite 100
Tustin CA 92780

See page two for job notes and contact information.

my EOL

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Calscience Project Manager.

Authorization



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3/7/2024 1:16:47 PM

Authorized for release by
Erick Ovalle, Project Manager
Erick.Ovalle@et.eurofinsus.com
(657)210-6331

Table of Contents

Cover Page 1
Table of Contents 3
Definitions/Glossary 4
Case Narrative 5
Detection Summary 6
Client Sample Results 9
Surrogate Summary 29
QC Sample Results 31
QC Association Summary 40
Lab Chronicle 43
Certification Summary 47
Method Summary 48
Sample Summary 49
Chain of Custody 50
Receipt Checklists 52

Definitions/Glossary

Client: California Environmental
Job ID: 570-174496-1
Project/Site: #3666 / 777 S. Alameda Street

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

GC Semi VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Metals

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Job Narrative
570-174496-1

Receipt
The samples were received on 2/29/2024 6:50 PM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 3.1° C.

GC/MS VOA
Method 8260B: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with analytical batch 570-416639.The laboratory control sample (LCS) was performed in duplicate (LCSD) to provide precision data for this batch.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

GC Semi VOA
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Metals
Method 6010B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 570-416720 and 570-416720 and analytical batch 570-417033 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Organic Prep
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

VOA Prep
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Detection Summary

Client: California Environmental
Project/Site: #3666 / 777 S. Alameda Street

Job ID: 570-174496-1

Client Sample ID: CEB7-10'

Lab Sample ID: 570-174496-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	14	J	15	7.5	ug/Kg	1		8260B	Total/NA
Benzene	0.56	J	0.76	0.20	ug/Kg	1		8260B	Total/NA
tert-Butyl alcohol (TBA)	5.7	J	15	5.3	ug/Kg	1		8260B	Total/NA
Toluene	0.31	J	0.76	0.20	ug/Kg	1		8260B	Total/NA
Diesel Range Organics [C10-C28]	5.6		5.0	3.8	mg/Kg	1		8015B	Total/NA
Barium	53.7	F1	3.02	0.143	mg/Kg	5		6010B	Total/NA
Beryllium	0.302	J	0.503	0.0693	mg/Kg	5		6010B	Total/NA
Chromium	9.37	F1	1.01	0.187	mg/Kg	5		6010B	Total/NA
Cobalt	4.15	F1	1.01	0.207	mg/Kg	5		6010B	Total/NA
Copper	8.37		2.01	0.963	mg/Kg	5		6010B	Total/NA
Lead	1.66	J	2.01	0.411	mg/Kg	5		6010B	Total/NA
Nickel	5.41	F1	2.01	0.364	mg/Kg	5		6010B	Total/NA
Vanadium	28.9	F1	1.01	0.169	mg/Kg	5		6010B	Total/NA
Zinc	26.7	F1	5.03	1.16	mg/Kg	5		6010B	Total/NA
Mercury	0.602		0.0833	0.0220	mg/Kg	1		7471A	Total/NA

Client Sample ID: CEB8-2'

Lab Sample ID: 570-174496-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	30		15	7.3	ug/Kg	1		8260B	Total/NA
Benzene	0.26	J	0.74	0.19	ug/Kg	1		8260B	Total/NA
Diesel Range Organics [C10-C28]	7.0		4.8	3.7	mg/Kg	1		8015B	Total/NA
Barium	66.1		3.05	0.144	mg/Kg	5		6010B	Total/NA
Beryllium	0.178	J	0.508	0.0701	mg/Kg	5		6010B	Total/NA
Chromium	11.1		1.02	0.189	mg/Kg	5		6010B	Total/NA
Cobalt	5.08		1.02	0.209	mg/Kg	5		6010B	Total/NA
Copper	10.7		2.03	0.973	mg/Kg	5		6010B	Total/NA
Lead	3.32		2.03	0.415	mg/Kg	5		6010B	Total/NA
Molybdenum	0.546	J	2.03	0.523	mg/Kg	5		6010B	Total/NA
Nickel	6.95		2.03	0.368	mg/Kg	5		6010B	Total/NA
Vanadium	29.7		1.02	0.171	mg/Kg	5		6010B	Total/NA
Zinc	31.5		5.08	1.17	mg/Kg	5		6010B	Total/NA
Mercury	0.0591	J	0.0850	0.0224	mg/Kg	1		7471A	Total/NA

Client Sample ID: CEB8-5'

Lab Sample ID: 570-174496-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	23		14	7.0	ug/Kg	1		8260B	Total/NA
Benzene	1.8		0.72	0.18	ug/Kg	1		8260B	Total/NA
m,p-Xylene	0.36	J	1.4	0.34	ug/Kg	1		8260B	Total/NA
Toluene	0.81		0.72	0.19	ug/Kg	1		8260B	Total/NA
Diesel Range Organics [C10-C28]	4.2	J	5.0	3.9	mg/Kg	1		8015B	Total/NA
Barium	41.8		3.06	0.145	mg/Kg	5		6010B	Total/NA
Beryllium	0.0893	J	0.510	0.0704	mg/Kg	5		6010B	Total/NA
Chromium	7.22		1.02	0.190	mg/Kg	5		6010B	Total/NA
Cobalt	3.20		1.02	0.210	mg/Kg	5		6010B	Total/NA
Copper	5.75		2.04	0.978	mg/Kg	5		6010B	Total/NA
Lead	1.80	J	2.04	0.417	mg/Kg	5		6010B	Total/NA
Nickel	3.62		2.04	0.369	mg/Kg	5		6010B	Total/NA
Vanadium	21.2		1.02	0.171	mg/Kg	5		6010B	Total/NA
Zinc	19.4		5.10	1.18	mg/Kg	5		6010B	Total/NA
Mercury	0.0466	J	0.0801	0.0212	mg/Kg	1		7471A	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: CEB9-2'

Lab Sample ID: 570-174496-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	27		15	7.4	ug/Kg	1		8260B	Total/NA
Benzene	1.2		0.75	0.19	ug/Kg	1		8260B	Total/NA
Toluene	0.57	J	0.75	0.20	ug/Kg	1		8260B	Total/NA
Diesel Range Organics [C10-C28]	9.6		5.0	3.9	mg/Kg	1		8015B	Total/NA
Barium	66.4		3.06	0.145	mg/Kg	5		6010B	Total/NA
Beryllium	0.166	J	0.510	0.0704	mg/Kg	5		6010B	Total/NA
Chromium	10.0		1.02	0.190	mg/Kg	5		6010B	Total/NA
Cobalt	4.97		1.02	0.210	mg/Kg	5		6010B	Total/NA
Copper	9.91		2.04	0.978	mg/Kg	5		6010B	Total/NA
Lead	2.13		2.04	0.417	mg/Kg	5		6010B	Total/NA
Nickel	6.06		2.04	0.369	mg/Kg	5		6010B	Total/NA
Vanadium	27.7		1.02	0.171	mg/Kg	5		6010B	Total/NA
Zinc	30.7		5.10	1.18	mg/Kg	5		6010B	Total/NA
Mercury	0.0443	J	0.0833	0.0220	mg/Kg	1		7471A	Total/NA

Client Sample ID: CEB9-5'

Lab Sample ID: 570-174496-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
2-Butanone	5.4	J	16	3.5	ug/Kg	1		8260B	Total/NA
Acetone	85		16	7.6	ug/Kg	1		8260B	Total/NA
Benzene	0.82		0.78	0.20	ug/Kg	1		8260B	Total/NA
tert-Butyl alcohol (TBA)	5.8	J	16	5.4	ug/Kg	1		8260B	Total/NA
Tetrachloroethene	0.27	J	0.78	0.17	ug/Kg	1		8260B	Total/NA
Toluene	0.27	J	0.78	0.21	ug/Kg	1		8260B	Total/NA
Diesel Range Organics [C10-C28]	13		5.1	3.9	mg/Kg	1		8015B	Total/NA
Barium	92.3		3.06	0.145	mg/Kg	5		6010B	Total/NA
Beryllium	0.217	J	0.510	0.0704	mg/Kg	5		6010B	Total/NA
Chromium	12.8		1.02	0.190	mg/Kg	5		6010B	Total/NA
Cobalt	6.36		1.02	0.210	mg/Kg	5		6010B	Total/NA
Copper	13.2		2.04	0.978	mg/Kg	5		6010B	Total/NA
Lead	4.72		2.04	0.417	mg/Kg	5		6010B	Total/NA
Nickel	8.06		2.04	0.369	mg/Kg	5		6010B	Total/NA
Vanadium	33.1		1.02	0.171	mg/Kg	5		6010B	Total/NA
Zinc	38.8		5.10	1.18	mg/Kg	5		6010B	Total/NA
Mercury	0.0911		0.0817	0.0216	mg/Kg	1		7471A	Total/NA

Client Sample ID: CEB10-2'

Lab Sample ID: 570-174496-13

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
2-Butanone	4.0	J	17	3.8	ug/Kg	1		8260B	Total/NA
Acetone	75		17	8.3	ug/Kg	1		8260B	Total/NA
Benzene	0.89		0.84	0.22	ug/Kg	1		8260B	Total/NA
Ethylbenzene	0.20	J	0.84	0.17	ug/Kg	1		8260B	Total/NA
o-Xylene	0.29	J	0.84	0.21	ug/Kg	1		8260B	Total/NA
m,p-Xylene	0.72	J	1.7	0.40	ug/Kg	1		8260B	Total/NA
Tetrachloroethene	0.21	J	0.84	0.19	ug/Kg	1		8260B	Total/NA
Toluene	0.59	J	0.84	0.23	ug/Kg	1		8260B	Total/NA
Diesel Range Organics [C10-C28]	5.1		4.9	3.8	mg/Kg	1		8015B	Total/NA
Arsenic	2.64	J	3.05	1.41	mg/Kg	5		6010B	Total/NA
Barium	69.6		3.05	0.144	mg/Kg	5		6010B	Total/NA
Beryllium	0.266	J	0.508	0.0701	mg/Kg	5		6010B	Total/NA
Chromium	8.63		1.02	0.189	mg/Kg	5		6010B	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: CEB10-2' (Continued)

Lab Sample ID: 570-174496-13

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Cobalt	5.99		1.02	0.209	mg/Kg	5		6010B	Total/NA
Copper	23.6		2.03	0.973	mg/Kg	5		6010B	Total/NA
Lead	8.53		2.03	0.415	mg/Kg	5		6010B	Total/NA
Nickel	10.6		2.03	0.368	mg/Kg	5		6010B	Total/NA
Vanadium	23.2		1.02	0.171	mg/Kg	5		6010B	Total/NA
Zinc	57.0		5.08	1.17	mg/Kg	5		6010B	Total/NA
Mercury	0.0491	J	0.0786	0.0208	mg/Kg	1		7471A	Total/NA

Client Sample ID: CEB10-5'

Lab Sample ID: 570-174496-14

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	12	J	17	8.2	ug/Kg	1		8260B	Total/NA
Benzene	0.63	J	0.84	0.22	ug/Kg	1		8260B	Total/NA
m,p-Xylene	0.52	J	1.7	0.40	ug/Kg	1		8260B	Total/NA
Toluene	0.52	J	0.84	0.23	ug/Kg	1		8260B	Total/NA
Arsenic	1.62	J	3.05	1.41	mg/Kg	5		6010B	Total/NA
Barium	71.8		3.05	0.144	mg/Kg	5		6010B	Total/NA
Beryllium	0.140	J	0.508	0.0701	mg/Kg	5		6010B	Total/NA
Chromium	10.9		1.02	0.189	mg/Kg	5		6010B	Total/NA
Cobalt	5.09		1.02	0.209	mg/Kg	5		6010B	Total/NA
Copper	9.02		2.03	0.973	mg/Kg	5		6010B	Total/NA
Lead	1.99	J	2.03	0.415	mg/Kg	5		6010B	Total/NA
Nickel	6.68		2.03	0.368	mg/Kg	5		6010B	Total/NA
Vanadium	29.6		1.02	0.171	mg/Kg	5		6010B	Total/NA
Zinc	30.9		5.08	1.17	mg/Kg	5		6010B	Total/NA
Mercury	0.0429	J	0.0801	0.0212	mg/Kg	1		7471A	Total/NA

This Detection Summary does not include radiochemical test results.

Method: SW846 8260B/CA_LUFTMS - Volatile Organic Compounds by GC/MS

Client Sample ID: CEB7-10'
Date Collected: 02/28/24 07:33
Date Received: 02/29/24 18:50

Lab Sample ID: 570-174496-3
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	ND		76	36	ug/Kg		03/04/24 17:20	03/05/24 00:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*96*		*80 - 120*	*03/04/24 17:20*	*03/05/24 00:54*	*1*

Client Sample ID: CEB8-2'
Date Collected: 02/28/24 08:20
Date Received: 02/29/24 18:50

Lab Sample ID: 570-174496-5
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	ND		74	35	ug/Kg		03/04/24 17:20	03/05/24 01:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*95*		*80 - 120*	*03/04/24 17:20*	*03/05/24 01:16*	*1*

Client Sample ID: CEB8-5'
Date Collected: 02/28/24 08:25
Date Received: 02/29/24 18:50

Lab Sample ID: 570-174496-6
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	ND		72	34	ug/Kg		03/04/24 17:20	03/05/24 01:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*95*		*80 - 120*	*03/04/24 17:20*	*03/05/24 01:37*	*1*

Client Sample ID: CEB9-2'
Date Collected: 02/28/24 09:10
Date Received: 02/29/24 18:50

Lab Sample ID: 570-174496-9
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	ND		75	35	ug/Kg		03/04/24 17:20	03/05/24 01:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*95*		*80 - 120*	*03/04/24 17:20*	*03/05/24 01:59*	*1*

Client Sample ID: CEB9-5'
Date Collected: 02/28/24 09:12
Date Received: 02/29/24 18:50

Lab Sample ID: 570-174496-10
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	ND		78	37	ug/Kg		03/04/24 17:20	03/05/24 02:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*96*		*80 - 120*	*03/04/24 17:20*	*03/05/24 02:21*	*1*

Client Sample ID: CEB10-2'
Date Collected: 02/28/24 12:25
Date Received: 02/29/24 18:50

Lab Sample ID: 570-174496-13
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	ND		84	40	ug/Kg		03/04/24 17:20	03/05/24 02:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*95*		*80 - 120*	*03/04/24 17:20*	*03/05/24 02:43*	*1*

Method: SW846 8260B/CA_LUFTMS - Volatile Organic Compounds by GC/MS

Client Sample ID: CEB10-5'
Date Collected: 02/28/24 12:28
Date Received: 02/29/24 18:50

Lab Sample ID: 570-174496-14
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	ND		84	39	ug/Kg		03/04/24 17:20	03/05/24 03:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*95*		*80 - 120*	*03/04/24 17:20*	*03/05/24 03:04*	*1*

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Client Sample ID: CEB7-10'
Date Collected: 02/28/24 07:33
Date Received: 02/29/24 18:50

Lab Sample ID: 570-174496-3
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.76	0.22	ug/Kg		03/04/24 17:20	03/05/24 00:54	1
1,1,1-Trichloroethane	ND		0.76	0.18	ug/Kg		03/04/24 17:20	03/05/24 00:54	1
1,1,2,2-Tetrachloroethane	ND		1.5	0.41	ug/Kg		03/04/24 17:20	03/05/24 00:54	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		7.6	0.35	ug/Kg		03/04/24 17:20	03/05/24 00:54	1
1,1,2-Trichloroethane	ND		0.76	0.35	ug/Kg		03/04/24 17:20	03/05/24 00:54	1
1,1-Dichloroethane	ND		0.76	0.21	ug/Kg		03/04/24 17:20	03/05/24 00:54	1
1,1-Dichloroethene	ND		0.76	0.20	ug/Kg		03/04/24 17:20	03/05/24 00:54	1
1,1-Dichloropropene	ND		1.5	0.30	ug/Kg		03/04/24 17:20	03/05/24 00:54	1
1,2,3-Trichlorobenzene	ND		1.5	0.29	ug/Kg		03/04/24 17:20	03/05/24 00:54	1
1,2,3-Trichloropropane	ND		1.5	0.32	ug/Kg		03/04/24 17:20	03/05/24 00:54	1
1,2,4-Trichlorobenzene	ND		1.5	0.31	ug/Kg		03/04/24 17:20	03/05/24 00:54	1
1,2,4-Trimethylbenzene	ND		1.5	0.46	ug/Kg		03/04/24 17:20	03/05/24 00:54	1
1,2-Dibromo-3-Chloropropane	ND		7.6	2.5	ug/Kg		03/04/24 17:20	03/05/24 00:54	1
1,2-Dibromoethane	ND		0.76	0.16	ug/Kg		03/04/24 17:20	03/05/24 00:54	1
1,2-Dichlorobenzene	ND		0.76	0.19	ug/Kg		03/04/24 17:20	03/05/24 00:54	1
1,2-Dichloroethane	ND		0.76	0.21	ug/Kg		03/04/24 17:20	03/05/24 00:54	1
1,2-Dichloropropane	ND		0.76	0.21	ug/Kg		03/04/24 17:20	03/05/24 00:54	1
1,3,5-Trimethylbenzene	ND		1.5	0.20	ug/Kg		03/04/24 17:20	03/05/24 00:54	1
1,3-Dichlorobenzene	ND		0.76	0.19	ug/Kg		03/04/24 17:20	03/05/24 00:54	1
1,3-Dichloropropane	ND		0.76	0.22	ug/Kg		03/04/24 17:20	03/05/24 00:54	1
1,4-Dichlorobenzene	ND		0.76	0.23	ug/Kg		03/04/24 17:20	03/05/24 00:54	1
2,2-Dichloropropane	ND		3.8	0.21	ug/Kg		03/04/24 17:20	03/05/24 00:54	1
2-Butanone	ND		15	3.4	ug/Kg		03/04/24 17:20	03/05/24 00:54	1
2-Chlorotoluene	ND		0.76	0.19	ug/Kg		03/04/24 17:20	03/05/24 00:54	1
2-Hexanone	ND		15	2.3	ug/Kg		03/04/24 17:20	03/05/24 00:54	1
4-Chlorotoluene	ND		0.76	0.18	ug/Kg		03/04/24 17:20	03/05/24 00:54	1
4-Methyl-2-pentanone	ND		15	2.2	ug/Kg		03/04/24 17:20	03/05/24 00:54	1
Acetone	**14**	**J**	15	7.5	ug/Kg		03/04/24 17:20	03/05/24 00:54	1
Benzene	**0.56**	**J**	0.76	0.20	ug/Kg		03/04/24 17:20	03/05/24 00:54	1
Bromobenzene	ND		0.76	0.16	ug/Kg		03/04/24 17:20	03/05/24 00:54	1
Bromochloromethane	ND		1.5	0.34	ug/Kg		03/04/24 17:20	03/05/24 00:54	1
Bromodichloromethane	ND		0.76	0.25	ug/Kg		03/04/24 17:20	03/05/24 00:54	1
Bromoform	ND		3.8	1.0	ug/Kg		03/04/24 17:20	03/05/24 00:54	1
Bromomethane	ND		15	5.0	ug/Kg		03/04/24 17:20	03/05/24 00:54	1
cis-1,2-Dichloroethene	ND		0.76	0.26	ug/Kg		03/04/24 17:20	03/05/24 00:54	1
cis-1,3-Dichloropropene	ND		0.76	0.27	ug/Kg		03/04/24 17:20	03/05/24 00:54	1
Carbon disulfide	ND		7.6	0.30	ug/Kg		03/04/24 17:20	03/05/24 00:54	1
Carbon tetrachloride	ND		0.76	0.23	ug/Kg		03/04/24 17:20	03/05/24 00:54	1
Chlorobenzene	ND		0.76	0.20	ug/Kg		03/04/24 17:20	03/05/24 00:54	1
Chloroethane	ND		1.5	0.57	ug/Kg		03/04/24 17:20	03/05/24 00:54	1
Chloroform	ND		0.76	0.45	ug/Kg		03/04/24 17:20	03/05/24 00:54	1
Chloromethane	ND		15	1.2	ug/Kg		03/04/24 17:20	03/05/24 00:54	1
Dibromochloromethane	ND		1.5	0.21	ug/Kg		03/04/24 17:20	03/05/24 00:54	1
Dibromomethane	ND		0.76	0.23	ug/Kg		03/04/24 17:20	03/05/24 00:54	1
Dichlorodifluoromethane	ND		1.5	0.35	ug/Kg		03/04/24 17:20	03/05/24 00:54	1
Di-isopropyl ether (DIPE)	ND		0.76	0.38	ug/Kg		03/04/24 17:20	03/05/24 00:54	1
Ethanol	ND		190	70	ug/Kg		03/04/24 17:20	03/05/24 00:54	1
Ethylbenzene	ND		0.76	0.16	ug/Kg		03/04/24 17:20	03/05/24 00:54	1
Ethyl-t-butyl ether (ETBE)	ND		0.76	0.18	ug/Kg		03/04/24 17:20	03/05/24 00:54	1

Method: SW846 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Client Sample ID: CEB7-10'
Date Collected: 02/28/24 07:33
Date Received: 02/29/24 18:50

Lab Sample ID: 570-174496-3
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Isopropylbenzene	ND		0.76	0.21	ug/Kg		03/04/24 17:20	03/05/24 00:54	1
Methylene Chloride	ND		7.6	2.4	ug/Kg		03/04/24 17:20	03/05/24 00:54	1
Methyl-t-Butyl Ether (MTBE)	ND		1.5	0.14	ug/Kg		03/04/24 17:20	03/05/24 00:54	1
Naphthalene	ND		7.6	3.0	ug/Kg		03/04/24 17:20	03/05/24 00:54	1
n-Butylbenzene	ND		0.76	0.16	ug/Kg		03/04/24 17:20	03/05/24 00:54	1
N-Propylbenzene	ND		1.5	0.20	ug/Kg		03/04/24 17:20	03/05/24 00:54	1
o-Xylene	ND		0.76	0.19	ug/Kg		03/04/24 17:20	03/05/24 00:54	1
m,p-Xylene	ND		1.5	0.36	ug/Kg		03/04/24 17:20	03/05/24 00:54	1
p-Isopropyltoluene	ND		0.76	0.21	ug/Kg		03/04/24 17:20	03/05/24 00:54	1
sec-Butylbenzene	ND		0.76	0.21	ug/Kg		03/04/24 17:20	03/05/24 00:54	1
Styrene	ND		0.76	0.24	ug/Kg		03/04/24 17:20	03/05/24 00:54	1
trans-1,2-Dichloroethene	ND		0.76	0.23	ug/Kg		03/04/24 17:20	03/05/24 00:54	1
trans-1,3-Dichloropropene	ND		1.5	0.21	ug/Kg		03/04/24 17:20	03/05/24 00:54	1
Tert-amyl-methyl ether (TAME)	ND		0.76	0.15	ug/Kg		03/04/24 17:20	03/05/24 00:54	1
tert-Butyl alcohol (TBA)	**5.7**	**J**	15	5.3	ug/Kg		03/04/24 17:20	03/05/24 00:54	1
tert-Butylbenzene	ND		0.76	0.19	ug/Kg		03/04/24 17:20	03/05/24 00:54	1
Tetrachloroethene	ND		0.76	0.17	ug/Kg		03/04/24 17:20	03/05/24 00:54	1
Toluene	**0.31**	**J**	0.76	0.20	ug/Kg		03/04/24 17:20	03/05/24 00:54	1
Trichloroethene	ND		1.5	0.29	ug/Kg		03/04/24 17:20	03/05/24 00:54	1
Trichlorofluoromethane	ND		7.6	0.21	ug/Kg		03/04/24 17:20	03/05/24 00:54	1
Vinyl acetate	ND		7.6	3.0	ug/Kg		03/04/24 17:20	03/05/24 00:54	1
Vinyl chloride	ND		0.76	0.29	ug/Kg		03/04/24 17:20	03/05/24 00:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*108*		*32 - 179*	*03/04/24 17:20*	*03/05/24 00:54*	*1*
4-Bromofluorobenzene (Surr)	*99*		*80 - 120*	*03/04/24 17:20*	*03/05/24 00:54*	*1*
Dibromofluoromethane (Surr)	*104*		*58 - 147*	*03/04/24 17:20*	*03/05/24 00:54*	*1*
Toluene-d8 (Surr)	*96*		*80 - 120*	*03/04/24 17:20*	*03/05/24 00:54*	*1*

Client Sample ID: CEB8-2'
Date Collected: 02/28/24 08:20
Date Received: 02/29/24 18:50

Lab Sample ID: 570-174496-5
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.74	0.22	ug/Kg		03/04/24 17:20	03/05/24 01:16	1
1,1,1-Trichloroethane	ND		0.74	0.17	ug/Kg		03/04/24 17:20	03/05/24 01:16	1
1,1,2,2-Tetrachloroethane	ND		1.5	0.40	ug/Kg		03/04/24 17:20	03/05/24 01:16	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		7.4	0.34	ug/Kg		03/04/24 17:20	03/05/24 01:16	1
1,1,2-Trichloroethane	ND		0.74	0.34	ug/Kg		03/04/24 17:20	03/05/24 01:16	1
1,1-Dichloroethane	ND		0.74	0.21	ug/Kg		03/04/24 17:20	03/05/24 01:16	1
1,1-Dichloroethene	ND		0.74	0.20	ug/Kg		03/04/24 17:20	03/05/24 01:16	1
1,1-Dichloropropene	ND		1.5	0.29	ug/Kg		03/04/24 17:20	03/05/24 01:16	1
1,2,3-Trichlorobenzene	ND		1.5	0.28	ug/Kg		03/04/24 17:20	03/05/24 01:16	1
1,2,3-Trichloropropane	ND		1.5	0.31	ug/Kg		03/04/24 17:20	03/05/24 01:16	1
1,2,4-Trichlorobenzene	ND		1.5	0.30	ug/Kg		03/04/24 17:20	03/05/24 01:16	1
1,2,4-Trimethylbenzene	ND		1.5	0.44	ug/Kg		03/04/24 17:20	03/05/24 01:16	1
1,2-Dibromo-3-Chloropropane	ND		7.4	2.5	ug/Kg		03/04/24 17:20	03/05/24 01:16	1
1,2-Dibromoethane	ND		0.74	0.15	ug/Kg		03/04/24 17:20	03/05/24 01:16	1
1,2-Dichlorobenzene	ND		0.74	0.19	ug/Kg		03/04/24 17:20	03/05/24 01:16	1
1,2-Dichloroethane	ND		0.74	0.20	ug/Kg		03/04/24 17:20	03/05/24 01:16	1
1,2-Dichloropropane	ND		0.74	0.20	ug/Kg		03/04/24 17:20	03/05/24 01:16	1

Method: SW846 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Client Sample ID: CEB8-2'
Date Collected: 02/28/24 08:20
Date Received: 02/29/24 18:50

Lab Sample ID: 570-174496-5
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,3,5-Trimethylbenzene	ND		1.5	0.20	ug/Kg		03/04/24 17:20	03/05/24 01:16	1
1,3-Dichlorobenzene	ND		0.74	0.19	ug/Kg		03/04/24 17:20	03/05/24 01:16	1
1,3-Dichloropropane	ND		0.74	0.22	ug/Kg		03/04/24 17:20	03/05/24 01:16	1
1,4-Dichlorobenzene	ND		0.74	0.23	ug/Kg		03/04/24 17:20	03/05/24 01:16	1
2,2-Dichloropropane	ND		3.7	0.20	ug/Kg		03/04/24 17:20	03/05/24 01:16	1
2-Butanone	ND		15	3.3	ug/Kg		03/04/24 17:20	03/05/24 01:16	1
2-Chlorotoluene	ND		0.74	0.19	ug/Kg		03/04/24 17:20	03/05/24 01:16	1
2-Hexanone	ND		15	2.3	ug/Kg		03/04/24 17:20	03/05/24 01:16	1
4-Chlorotoluene	ND		0.74	0.18	ug/Kg		03/04/24 17:20	03/05/24 01:16	1
4-Methyl-2-pentanone	ND		15	2.2	ug/Kg		03/04/24 17:20	03/05/24 01:16	1
Acetone	**30**		15	7.3	ug/Kg		03/04/24 17:20	03/05/24 01:16	1
Benzene	**0.26**	**J**	0.74	0.19	ug/Kg		03/04/24 17:20	03/05/24 01:16	1
Bromobenzene	ND		0.74	0.15	ug/Kg		03/04/24 17:20	03/05/24 01:16	1
Bromochloromethane	ND		1.5	0.33	ug/Kg		03/04/24 17:20	03/05/24 01:16	1
Bromodichloromethane	ND		0.74	0.24	ug/Kg		03/04/24 17:20	03/05/24 01:16	1
Bromoform	ND		3.7	0.98	ug/Kg		03/04/24 17:20	03/05/24 01:16	1
Bromomethane	ND		15	4.9	ug/Kg		03/04/24 17:20	03/05/24 01:16	1
cis-1,2-Dichloroethene	ND		0.74	0.25	ug/Kg		03/04/24 17:20	03/05/24 01:16	1
cis-1,3-Dichloropropene	ND		0.74	0.26	ug/Kg		03/04/24 17:20	03/05/24 01:16	1
Carbon disulfide	ND		7.4	0.30	ug/Kg		03/04/24 17:20	03/05/24 01:16	1
Carbon tetrachloride	ND		0.74	0.22	ug/Kg		03/04/24 17:20	03/05/24 01:16	1
Chlorobenzene	ND		0.74	0.20	ug/Kg		03/04/24 17:20	03/05/24 01:16	1
Chloroethane	ND		1.5	0.55	ug/Kg		03/04/24 17:20	03/05/24 01:16	1
Chloroform	ND		0.74	0.44	ug/Kg		03/04/24 17:20	03/05/24 01:16	1
Chloromethane	ND		15	1.1	ug/Kg		03/04/24 17:20	03/05/24 01:16	1
Dibromochloromethane	ND		1.5	0.20	ug/Kg		03/04/24 17:20	03/05/24 01:16	1
Dibromomethane	ND		0.74	0.23	ug/Kg		03/04/24 17:20	03/05/24 01:16	1
Dichlorodifluoromethane	ND		1.5	0.34	ug/Kg		03/04/24 17:20	03/05/24 01:16	1
Di-isopropyl ether (DIPE)	ND		0.74	0.37	ug/Kg		03/04/24 17:20	03/05/24 01:16	1
Ethanol	ND		190	68	ug/Kg		03/04/24 17:20	03/05/24 01:16	1
Ethylbenzene	ND		0.74	0.15	ug/Kg		03/04/24 17:20	03/05/24 01:16	1
Ethyl-t-butyl ether (ETBE)	ND		0.74	0.17	ug/Kg		03/04/24 17:20	03/05/24 01:16	1
Isopropylbenzene	ND		0.74	0.20	ug/Kg		03/04/24 17:20	03/05/24 01:16	1
Methylene Chloride	ND		7.4	2.3	ug/Kg		03/04/24 17:20	03/05/24 01:16	1
Methyl-t-Butyl Ether (MTBE)	ND		1.5	0.14	ug/Kg		03/04/24 17:20	03/05/24 01:16	1
Naphthalene	ND		7.4	2.9	ug/Kg		03/04/24 17:20	03/05/24 01:16	1
n-Butylbenzene	ND		0.74	0.16	ug/Kg		03/04/24 17:20	03/05/24 01:16	1
N-Propylbenzene	ND		1.5	0.19	ug/Kg		03/04/24 17:20	03/05/24 01:16	1
o-Xylene	ND		0.74	0.19	ug/Kg		03/04/24 17:20	03/05/24 01:16	1
m,p-Xylene	ND		1.5	0.35	ug/Kg		03/04/24 17:20	03/05/24 01:16	1
p-Isopropyltoluene	ND		0.74	0.21	ug/Kg		03/04/24 17:20	03/05/24 01:16	1
sec-Butylbenzene	ND		0.74	0.20	ug/Kg		03/04/24 17:20	03/05/24 01:16	1
Styrene	ND		0.74	0.23	ug/Kg		03/04/24 17:20	03/05/24 01:16	1
trans-1,2-Dichloroethene	ND		0.74	0.22	ug/Kg		03/04/24 17:20	03/05/24 01:16	1
trans-1,3-Dichloropropene	ND		1.5	0.21	ug/Kg		03/04/24 17:20	03/05/24 01:16	1
Tert-amyl-methyl ether (TAME)	ND		0.74	0.14	ug/Kg		03/04/24 17:20	03/05/24 01:16	1
tert-Butyl alcohol (TBA)	ND		15	5.2	ug/Kg		03/04/24 17:20	03/05/24 01:16	1
tert-Butylbenzene	ND		0.74	0.19	ug/Kg		03/04/24 17:20	03/05/24 01:16	1
Tetrachloroethene	ND		0.74	0.17	ug/Kg		03/04/24 17:20	03/05/24 01:16	1

Method: SW846 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Client Sample ID: CEB8-2'
Date Collected: 02/28/24 08:20
Date Received: 02/29/24 18:50

Lab Sample ID: 570-174496-5
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Toluene	ND		0.74	0.20	ug/Kg		03/04/24 17:20	03/05/24 01:16	1
Trichloroethene	ND		1.5	0.29	ug/Kg		03/04/24 17:20	03/05/24 01:16	1
Trichlorofluoromethane	ND		7.4	0.20	ug/Kg		03/04/24 17:20	03/05/24 01:16	1
Vinyl acetate	ND		7.4	2.9	ug/Kg		03/04/24 17:20	03/05/24 01:16	1
Vinyl chloride	ND		0.74	0.28	ug/Kg		03/04/24 17:20	03/05/24 01:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*110*		*32 - 179*	*03/04/24 17:20*	*03/05/24 01:16*	*1*
4-Bromofluorobenzene (Surr)	*98*		*80 - 120*	*03/04/24 17:20*	*03/05/24 01:16*	*1*
Dibromofluoromethane (Surr)	*105*		*58 - 147*	*03/04/24 17:20*	*03/05/24 01:16*	*1*
Toluene-d8 (Surr)	*95*		*80 - 120*	*03/04/24 17:20*	*03/05/24 01:16*	*1*

Client Sample ID: CEB8-5'
Date Collected: 02/28/24 08:25
Date Received: 02/29/24 18:50

Lab Sample ID: 570-174496-6
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.72	0.21	ug/Kg		03/04/24 17:20	03/05/24 01:37	1
1,1,1-Trichloroethane	ND		0.72	0.17	ug/Kg		03/04/24 17:20	03/05/24 01:37	1
1,1,2,2-Tetrachloroethane	ND		1.4	0.39	ug/Kg		03/04/24 17:20	03/05/24 01:37	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		7.2	0.33	ug/Kg		03/04/24 17:20	03/05/24 01:37	1
1,1,2-Trichloroethane	ND		0.72	0.33	ug/Kg		03/04/24 17:20	03/05/24 01:37	1
1,1-Dichloroethane	ND		0.72	0.20	ug/Kg		03/04/24 17:20	03/05/24 01:37	1
1,1-Dichloroethene	ND		0.72	0.19	ug/Kg		03/04/24 17:20	03/05/24 01:37	1
1,1-Dichloropropene	ND		1.4	0.28	ug/Kg		03/04/24 17:20	03/05/24 01:37	1
1,2,3-Trichlorobenzene	ND		1.4	0.27	ug/Kg		03/04/24 17:20	03/05/24 01:37	1
1,2,3-Trichloropropane	ND		1.4	0.30	ug/Kg		03/04/24 17:20	03/05/24 01:37	1
1,2,4-Trichlorobenzene	ND		1.4	0.29	ug/Kg		03/04/24 17:20	03/05/24 01:37	1
1,2,4-Trimethylbenzene	ND		1.4	0.43	ug/Kg		03/04/24 17:20	03/05/24 01:37	1
1,2-Dibromo-3-Chloropropane	ND		7.2	2.4	ug/Kg		03/04/24 17:20	03/05/24 01:37	1
1,2-Dibromoethane	ND		0.72	0.15	ug/Kg		03/04/24 17:20	03/05/24 01:37	1
1,2-Dichlorobenzene	ND		0.72	0.18	ug/Kg		03/04/24 17:20	03/05/24 01:37	1
1,2-Dichloroethane	ND		0.72	0.20	ug/Kg		03/04/24 17:20	03/05/24 01:37	1
1,2-Dichloropropane	ND		0.72	0.20	ug/Kg		03/04/24 17:20	03/05/24 01:37	1
1,3,5-Trimethylbenzene	ND		1.4	0.19	ug/Kg		03/04/24 17:20	03/05/24 01:37	1
1,3-Dichlorobenzene	ND		0.72	0.18	ug/Kg		03/04/24 17:20	03/05/24 01:37	1
1,3-Dichloropropane	ND		0.72	0.21	ug/Kg		03/04/24 17:20	03/05/24 01:37	1
1,4-Dichlorobenzene	ND		0.72	0.22	ug/Kg		03/04/24 17:20	03/05/24 01:37	1
2,2-Dichloropropane	ND		3.6	0.19	ug/Kg		03/04/24 17:20	03/05/24 01:37	1
2-Butanone	ND		14	3.2	ug/Kg		03/04/24 17:20	03/05/24 01:37	1
2-Chlorotoluene	ND		0.72	0.18	ug/Kg		03/04/24 17:20	03/05/24 01:37	1
2-Hexanone	ND		14	2.2	ug/Kg		03/04/24 17:20	03/05/24 01:37	1
4-Chlorotoluene	ND		0.72	0.17	ug/Kg		03/04/24 17:20	03/05/24 01:37	1
4-Methyl-2-pentanone	ND		14	2.1	ug/Kg		03/04/24 17:20	03/05/24 01:37	1
Acetone	**23**		14	7.0	ug/Kg		03/04/24 17:20	03/05/24 01:37	1
Benzene	**1.8**		0.72	0.18	ug/Kg		03/04/24 17:20	03/05/24 01:37	1
Bromobenzene	ND		0.72	0.15	ug/Kg		03/04/24 17:20	03/05/24 01:37	1
Bromochloromethane	ND		1.4	0.32	ug/Kg		03/04/24 17:20	03/05/24 01:37	1
Bromodichloromethane	ND		0.72	0.23	ug/Kg		03/04/24 17:20	03/05/24 01:37	1
Bromoform	ND		3.6	0.95	ug/Kg		03/04/24 17:20	03/05/24 01:37	1
Bromomethane	ND		14	4.7	ug/Kg		03/04/24 17:20	03/05/24 01:37	1

Method: SW846 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Client Sample ID: CEB8-5'
Date Collected: 02/28/24 08:25
Date Received: 02/29/24 18:50

Lab Sample ID: 570-174496-6
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,2-Dichloroethene	ND		0.72	0.24	ug/Kg		03/04/24 17:20	03/05/24 01:37	1
cis-1,3-Dichloropropene	ND		0.72	0.25	ug/Kg		03/04/24 17:20	03/05/24 01:37	1
Carbon disulfide	ND		7.2	0.29	ug/Kg		03/04/24 17:20	03/05/24 01:37	1
Carbon tetrachloride	ND		0.72	0.21	ug/Kg		03/04/24 17:20	03/05/24 01:37	1
Chlorobenzene	ND		0.72	0.19	ug/Kg		03/04/24 17:20	03/05/24 01:37	1
Chloroethane	ND		1.4	0.53	ug/Kg		03/04/24 17:20	03/05/24 01:37	1
Chloroform	ND		0.72	0.42	ug/Kg		03/04/24 17:20	03/05/24 01:37	1
Chloromethane	ND		14	1.1	ug/Kg		03/04/24 17:20	03/05/24 01:37	1
Dibromochloromethane	ND		1.4	0.19	ug/Kg		03/04/24 17:20	03/05/24 01:37	1
Dibromomethane	ND		0.72	0.22	ug/Kg		03/04/24 17:20	03/05/24 01:37	1
Dichlorodifluoromethane	ND		1.4	0.32	ug/Kg		03/04/24 17:20	03/05/24 01:37	1
Di-isopropyl ether (DIPE)	ND		0.72	0.36	ug/Kg		03/04/24 17:20	03/05/24 01:37	1
Ethanol	ND		180	66	ug/Kg		03/04/24 17:20	03/05/24 01:37	1
Ethylbenzene	ND		0.72	0.15	ug/Kg		03/04/24 17:20	03/05/24 01:37	1
Ethyl-t-butyl ether (ETBE)	ND		0.72	0.17	ug/Kg		03/04/24 17:20	03/05/24 01:37	1
Isopropylbenzene	ND		0.72	0.20	ug/Kg		03/04/24 17:20	03/05/24 01:37	1
Methylene Chloride	ND		7.2	2.2	ug/Kg		03/04/24 17:20	03/05/24 01:37	1
Methyl-t-Butyl Ether (MTBE)	ND		1.4	0.13	ug/Kg		03/04/24 17:20	03/05/24 01:37	1
Naphthalene	ND		7.2	2.8	ug/Kg		03/04/24 17:20	03/05/24 01:37	1
n-Butylbenzene	ND		0.72	0.15	ug/Kg		03/04/24 17:20	03/05/24 01:37	1
N-Propylbenzene	ND		1.4	0.19	ug/Kg		03/04/24 17:20	03/05/24 01:37	1
o-Xylene	ND		0.72	0.18	ug/Kg		03/04/24 17:20	03/05/24 01:37	1
m,p-Xylene	**0.36**	**J**	1.4	0.34	ug/Kg		03/04/24 17:20	03/05/24 01:37	1
p-Isopropyltoluene	ND		0.72	0.20	ug/Kg		03/04/24 17:20	03/05/24 01:37	1
sec-Butylbenzene	ND		0.72	0.20	ug/Kg		03/04/24 17:20	03/05/24 01:37	1
Styrene	ND		0.72	0.23	ug/Kg		03/04/24 17:20	03/05/24 01:37	1
trans-1,2-Dichloroethene	ND		0.72	0.21	ug/Kg		03/04/24 17:20	03/05/24 01:37	1
trans-1,3-Dichloropropene	ND		1.4	0.20	ug/Kg		03/04/24 17:20	03/05/24 01:37	1
Tert-amyl-methyl ether (TAME)	ND		0.72	0.14	ug/Kg		03/04/24 17:20	03/05/24 01:37	1
tert-Butyl alcohol (TBA)	ND		14	5.0	ug/Kg		03/04/24 17:20	03/05/24 01:37	1
tert-Butylbenzene	ND		0.72	0.18	ug/Kg		03/04/24 17:20	03/05/24 01:37	1
Tetrachloroethene	ND		0.72	0.16	ug/Kg		03/04/24 17:20	03/05/24 01:37	1
Toluene	**0.81**		0.72	0.19	ug/Kg		03/04/24 17:20	03/05/24 01:37	1
Trichloroethene	ND		1.4	0.28	ug/Kg		03/04/24 17:20	03/05/24 01:37	1
Trichlorofluoromethane	ND		7.2	0.19	ug/Kg		03/04/24 17:20	03/05/24 01:37	1
Vinyl acetate	ND		7.2	2.8	ug/Kg		03/04/24 17:20	03/05/24 01:37	1
Vinyl chloride	ND		0.72	0.27	ug/Kg		03/04/24 17:20	03/05/24 01:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*107*		*32 - 179*	*03/04/24 17:20*	*03/05/24 01:37*	*1*
4-Bromofluorobenzene (Surr)	*98*		*80 - 120*	*03/04/24 17:20*	*03/05/24 01:37*	*1*
Dibromofluoromethane (Surr)	*102*		*58 - 147*	*03/04/24 17:20*	*03/05/24 01:37*	*1*
Toluene-d8 (Surr)	*95*		*80 - 120*	*03/04/24 17:20*	*03/05/24 01:37*	*1*

Client Sample ID: CEB9-2'
Date Collected: 02/28/24 09:10
Date Received: 02/29/24 18:50

Lab Sample ID: 570-174496-9
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.75	0.22	ug/Kg		03/04/24 17:20	03/05/24 01:59	1
1,1,1-Trichloroethane	ND		0.75	0.18	ug/Kg		03/04/24 17:20	03/05/24 01:59	1

Method: SW846 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Client Sample ID: CEB9-2'
Date Collected: 02/28/24 09:10
Date Received: 02/29/24 18:50

Lab Sample ID: 570-174496-9
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2,2-Tetrachloroethane	ND		1.5	0.41	ug/Kg		03/04/24 17:20	03/05/24 01:59	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		7.5	0.35	ug/Kg		03/04/24 17:20	03/05/24 01:59	1
1,1,2-Trichloroethane	ND		0.75	0.35	ug/Kg		03/04/24 17:20	03/05/24 01:59	1
1,1-Dichloroethane	ND		0.75	0.21	ug/Kg		03/04/24 17:20	03/05/24 01:59	1
1,1-Dichloroethene	ND		0.75	0.20	ug/Kg		03/04/24 17:20	03/05/24 01:59	1
1,1-Dichloropropene	ND		1.5	0.29	ug/Kg		03/04/24 17:20	03/05/24 01:59	1
1,2,3-Trichlorobenzene	ND		1.5	0.28	ug/Kg		03/04/24 17:20	03/05/24 01:59	1
1,2,3-Trichloropropane	ND		1.5	0.31	ug/Kg		03/04/24 17:20	03/05/24 01:59	1
1,2,4-Trichlorobenzene	ND		1.5	0.31	ug/Kg		03/04/24 17:20	03/05/24 01:59	1
1,2,4-Trimethylbenzene	ND		1.5	0.45	ug/Kg		03/04/24 17:20	03/05/24 01:59	1
1,2-Dibromo-3-Chloropropane	ND		7.5	2.5	ug/Kg		03/04/24 17:20	03/05/24 01:59	1
1,2-Dibromoethane	ND		0.75	0.15	ug/Kg		03/04/24 17:20	03/05/24 01:59	1
1,2-Dichlorobenzene	ND		0.75	0.19	ug/Kg		03/04/24 17:20	03/05/24 01:59	1
1,2-Dichloroethane	ND		0.75	0.21	ug/Kg		03/04/24 17:20	03/05/24 01:59	1
1,2-Dichloropropane	ND		0.75	0.21	ug/Kg		03/04/24 17:20	03/05/24 01:59	1
1,3,5-Trimethylbenzene	ND		1.5	0.20	ug/Kg		03/04/24 17:20	03/05/24 01:59	1
1,3-Dichlorobenzene	ND		0.75	0.19	ug/Kg		03/04/24 17:20	03/05/24 01:59	1
1,3-Dichloropropane	ND		0.75	0.22	ug/Kg		03/04/24 17:20	03/05/24 01:59	1
1,4-Dichlorobenzene	ND		0.75	0.23	ug/Kg		03/04/24 17:20	03/05/24 01:59	1
2,2-Dichloropropane	ND		3.7	0.20	ug/Kg		03/04/24 17:20	03/05/24 01:59	1
2-Butanone	ND		15	3.4	ug/Kg		03/04/24 17:20	03/05/24 01:59	1
2-Chlorotoluene	ND		0.75	0.19	ug/Kg		03/04/24 17:20	03/05/24 01:59	1
2-Hexanone	ND		15	2.3	ug/Kg		03/04/24 17:20	03/05/24 01:59	1
4-Chlorotoluene	ND		0.75	0.18	ug/Kg		03/04/24 17:20	03/05/24 01:59	1
4-Methyl-2-pentanone	ND		15	2.2	ug/Kg		03/04/24 17:20	03/05/24 01:59	1
Acetone	**27**		15	7.4	ug/Kg		03/04/24 17:20	03/05/24 01:59	1
Benzene	**1.2**		0.75	0.19	ug/Kg		03/04/24 17:20	03/05/24 01:59	1
Bromobenzene	ND		0.75	0.16	ug/Kg		03/04/24 17:20	03/05/24 01:59	1
Bromochloromethane	ND		1.5	0.33	ug/Kg		03/04/24 17:20	03/05/24 01:59	1
Bromodichloromethane	ND		0.75	0.24	ug/Kg		03/04/24 17:20	03/05/24 01:59	1
Bromoform	ND		3.7	0.99	ug/Kg		03/04/24 17:20	03/05/24 01:59	1
Bromomethane	ND		15	4.9	ug/Kg		03/04/24 17:20	03/05/24 01:59	1
cis-1,2-Dichloroethene	ND		0.75	0.25	ug/Kg		03/04/24 17:20	03/05/24 01:59	1
cis-1,3-Dichloropropene	ND		0.75	0.26	ug/Kg		03/04/24 17:20	03/05/24 01:59	1
Carbon disulfide	ND		7.5	0.30	ug/Kg		03/04/24 17:20	03/05/24 01:59	1
Carbon tetrachloride	ND		0.75	0.22	ug/Kg		03/04/24 17:20	03/05/24 01:59	1
Chlorobenzene	ND		0.75	0.20	ug/Kg		03/04/24 17:20	03/05/24 01:59	1
Chloroethane	ND		1.5	0.56	ug/Kg		03/04/24 17:20	03/05/24 01:59	1
Chloroform	ND		0.75	0.44	ug/Kg		03/04/24 17:20	03/05/24 01:59	1
Chloromethane	ND		15	1.2	ug/Kg		03/04/24 17:20	03/05/24 01:59	1
Dibromochloromethane	ND		1.5	0.20	ug/Kg		03/04/24 17:20	03/05/24 01:59	1
Dibromomethane	ND		0.75	0.23	ug/Kg		03/04/24 17:20	03/05/24 01:59	1
Dichlorodifluoromethane	ND		1.5	0.34	ug/Kg		03/04/24 17:20	03/05/24 01:59	1
Di-isopropyl ether (DIPE)	ND		0.75	0.37	ug/Kg		03/04/24 17:20	03/05/24 01:59	1
Ethanol	ND		190	69	ug/Kg		03/04/24 17:20	03/05/24 01:59	1
Ethylbenzene	ND		0.75	0.15	ug/Kg		03/04/24 17:20	03/05/24 01:59	1
Ethyl-t-butyl ether (ETBE)	ND		0.75	0.18	ug/Kg		03/04/24 17:20	03/05/24 01:59	1
Isopropylbenzene	ND		0.75	0.21	ug/Kg		03/04/24 17:20	03/05/24 01:59	1
Methylene Chloride	ND		7.5	2.3	ug/Kg		03/04/24 17:20	03/05/24 01:59	1

Method: SW846 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Client Sample ID: CEB9-2'
Date Collected: 02/28/24 09:10
Date Received: 02/29/24 18:50

Lab Sample ID: 570-174496-9
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl-t-Butyl Ether (MTBE)	ND		1.5	0.14	ug/Kg		03/04/24 17:20	03/05/24 01:59	1
Naphthalene	ND		7.5	2.9	ug/Kg		03/04/24 17:20	03/05/24 01:59	1
n-Butylbenzene	ND		0.75	0.16	ug/Kg		03/04/24 17:20	03/05/24 01:59	1
N-Propylbenzene	ND		1.5	0.19	ug/Kg		03/04/24 17:20	03/05/24 01:59	1
o-Xylene	ND		0.75	0.19	ug/Kg		03/04/24 17:20	03/05/24 01:59	1
m,p-Xylene	ND		1.5	0.35	ug/Kg		03/04/24 17:20	03/05/24 01:59	1
p-Isopropyltoluene	ND		0.75	0.21	ug/Kg		03/04/24 17:20	03/05/24 01:59	1
sec-Butylbenzene	ND		0.75	0.21	ug/Kg		03/04/24 17:20	03/05/24 01:59	1
Styrene	ND		0.75	0.24	ug/Kg		03/04/24 17:20	03/05/24 01:59	1
trans-1,2-Dichloroethene	ND		0.75	0.23	ug/Kg		03/04/24 17:20	03/05/24 01:59	1
trans-1,3-Dichloropropene	ND		1.5	0.21	ug/Kg		03/04/24 17:20	03/05/24 01:59	1
Tert-amyl-methyl ether (TAME)	ND		0.75	0.15	ug/Kg		03/04/24 17:20	03/05/24 01:59	1
tert-Butyl alcohol (TBA)	ND		15	5.2	ug/Kg		03/04/24 17:20	03/05/24 01:59	1
tert-Butylbenzene	ND		0.75	0.19	ug/Kg		03/04/24 17:20	03/05/24 01:59	1
Tetrachloroethene	ND		0.75	0.17	ug/Kg		03/04/24 17:20	03/05/24 01:59	1
Toluene	**0.57**	**J**	0.75	0.20	ug/Kg		03/04/24 17:20	03/05/24 01:59	1
Trichloroethene	ND		1.5	0.29	ug/Kg		03/04/24 17:20	03/05/24 01:59	1
Trichlorofluoromethane	ND		7.5	0.20	ug/Kg		03/04/24 17:20	03/05/24 01:59	1
Vinyl acetate	ND		7.5	2.9	ug/Kg		03/04/24 17:20	03/05/24 01:59	1
Vinyl chloride	ND		0.75	0.28	ug/Kg		03/04/24 17:20	03/05/24 01:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*106*		*32 - 179*	*03/04/24 17:20*	*03/05/24 01:59*	*1*
4-Bromofluorobenzene (Surr)	*98*		*80 - 120*	*03/04/24 17:20*	*03/05/24 01:59*	*1*
Dibromofluoromethane (Surr)	*103*		*58 - 147*	*03/04/24 17:20*	*03/05/24 01:59*	*1*
Toluene-d8 (Surr)	*95*		*80 - 120*	*03/04/24 17:20*	*03/05/24 01:59*	*1*

Client Sample ID: CEB9-5'
Date Collected: 02/28/24 09:12
Date Received: 02/29/24 18:50

Lab Sample ID: 570-174496-10
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.78	0.23	ug/Kg		03/04/24 17:20	03/05/24 02:21	1
1,1,1-Trichloroethane	ND		0.78	0.18	ug/Kg		03/04/24 17:20	03/05/24 02:21	1
1,1,2,2-Tetrachloroethane	ND		1.6	0.42	ug/Kg		03/04/24 17:20	03/05/24 02:21	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		7.8	0.36	ug/Kg		03/04/24 17:20	03/05/24 02:21	1
1,1,2-Trichloroethane	ND		0.78	0.36	ug/Kg		03/04/24 17:20	03/05/24 02:21	1
1,1-Dichloroethane	ND		0.78	0.22	ug/Kg		03/04/24 17:20	03/05/24 02:21	1
1,1-Dichloroethene	ND		0.78	0.21	ug/Kg		03/04/24 17:20	03/05/24 02:21	1
1,1-Dichloropropene	ND		1.6	0.30	ug/Kg		03/04/24 17:20	03/05/24 02:21	1
1,2,3-Trichlorobenzene	ND		1.6	0.29	ug/Kg		03/04/24 17:20	03/05/24 02:21	1
1,2,3-Trichloropropane	ND		1.6	0.33	ug/Kg		03/04/24 17:20	03/05/24 02:21	1
1,2,4-Trichlorobenzene	ND		1.6	0.32	ug/Kg		03/04/24 17:20	03/05/24 02:21	1
1,2,4-Trimethylbenzene	ND		1.6	0.47	ug/Kg		03/04/24 17:20	03/05/24 02:21	1
1,2-Dibromo-3-Chloropropane	ND		7.8	2.6	ug/Kg		03/04/24 17:20	03/05/24 02:21	1
1,2-Dibromoethane	ND		0.78	0.16	ug/Kg		03/04/24 17:20	03/05/24 02:21	1
1,2-Dichlorobenzene	ND		0.78	0.19	ug/Kg		03/04/24 17:20	03/05/24 02:21	1
1,2-Dichloroethane	ND		0.78	0.21	ug/Kg		03/04/24 17:20	03/05/24 02:21	1
1,2-Dichloropropane	ND		0.78	0.21	ug/Kg		03/04/24 17:20	03/05/24 02:21	1
1,3,5-Trimethylbenzene	ND		1.6	0.21	ug/Kg		03/04/24 17:20	03/05/24 02:21	1
1,3-Dichlorobenzene	ND		0.78	0.20	ug/Kg		03/04/24 17:20	03/05/24 02:21	1

Method: SW846 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Client Sample ID: CEB9-5'
Date Collected: 02/28/24 09:12
Date Received: 02/29/24 18:50

Lab Sample ID: 570-174496-10
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,3-Dichloropropane	ND		0.78	0.23	ug/Kg		03/04/24 17:20	03/05/24 02:21	1
1,4-Dichlorobenzene	ND		0.78	0.24	ug/Kg		03/04/24 17:20	03/05/24 02:21	1
2,2-Dichloropropane	ND		3.9	0.21	ug/Kg		03/04/24 17:20	03/05/24 02:21	1
2-Butanone	**5.4**	**J**	16	3.5	ug/Kg		03/04/24 17:20	03/05/24 02:21	1
2-Chlorotoluene	ND		0.78	0.20	ug/Kg		03/04/24 17:20	03/05/24 02:21	1
2-Hexanone	ND		16	2.4	ug/Kg		03/04/24 17:20	03/05/24 02:21	1
4-Chlorotoluene	ND		0.78	0.19	ug/Kg		03/04/24 17:20	03/05/24 02:21	1
4-Methyl-2-pentanone	ND		16	2.3	ug/Kg		03/04/24 17:20	03/05/24 02:21	1
Acetone	**85**		16	7.6	ug/Kg		03/04/24 17:20	03/05/24 02:21	1
Benzene	**0.82**		0.78	0.20	ug/Kg		03/04/24 17:20	03/05/24 02:21	1
Bromobenzene	ND		0.78	0.16	ug/Kg		03/04/24 17:20	03/05/24 02:21	1
Bromochloromethane	ND		1.6	0.35	ug/Kg		03/04/24 17:20	03/05/24 02:21	1
Bromodichloromethane	ND		0.78	0.25	ug/Kg		03/04/24 17:20	03/05/24 02:21	1
Bromoform	ND		3.9	1.0	ug/Kg		03/04/24 17:20	03/05/24 02:21	1
Bromomethane	ND		16	5.1	ug/Kg		03/04/24 17:20	03/05/24 02:21	1
cis-1,2-Dichloroethene	ND		0.78	0.26	ug/Kg		03/04/24 17:20	03/05/24 02:21	1
cis-1,3-Dichloropropene	ND		0.78	0.27	ug/Kg		03/04/24 17:20	03/05/24 02:21	1
Carbon disulfide	ND		7.8	0.31	ug/Kg		03/04/24 17:20	03/05/24 02:21	1
Carbon tetrachloride	ND		0.78	0.23	ug/Kg		03/04/24 17:20	03/05/24 02:21	1
Chlorobenzene	ND		0.78	0.21	ug/Kg		03/04/24 17:20	03/05/24 02:21	1
Chloroethane	ND		1.6	0.58	ug/Kg		03/04/24 17:20	03/05/24 02:21	1
Chloroform	ND		0.78	0.46	ug/Kg		03/04/24 17:20	03/05/24 02:21	1
Chloromethane	ND		16	1.2	ug/Kg		03/04/24 17:20	03/05/24 02:21	1
Dibromochloromethane	ND		1.6	0.21	ug/Kg		03/04/24 17:20	03/05/24 02:21	1
Dibromomethane	ND		0.78	0.24	ug/Kg		03/04/24 17:20	03/05/24 02:21	1
Dichlorodifluoromethane	ND		1.6	0.35	ug/Kg		03/04/24 17:20	03/05/24 02:21	1
Di-isopropyl ether (DIPE)	ND		0.78	0.39	ug/Kg		03/04/24 17:20	03/05/24 02:21	1
Ethanol	ND		190	72	ug/Kg		03/04/24 17:20	03/05/24 02:21	1
Ethylbenzene	ND		0.78	0.16	ug/Kg		03/04/24 17:20	03/05/24 02:21	1
Ethyl-t-butyl ether (ETBE)	ND		0.78	0.18	ug/Kg		03/04/24 17:20	03/05/24 02:21	1
Isopropylbenzene	ND		0.78	0.21	ug/Kg		03/04/24 17:20	03/05/24 02:21	1
Methylene Chloride	ND		7.8	2.4	ug/Kg		03/04/24 17:20	03/05/24 02:21	1
Methyl-t-Butyl Ether (MTBE)	ND		1.6	0.15	ug/Kg		03/04/24 17:20	03/05/24 02:21	1
Naphthalene	ND		7.8	3.1	ug/Kg		03/04/24 17:20	03/05/24 02:21	1
n-Butylbenzene	ND		0.78	0.16	ug/Kg		03/04/24 17:20	03/05/24 02:21	1
N-Propylbenzene	ND		1.6	0.20	ug/Kg		03/04/24 17:20	03/05/24 02:21	1
o-Xylene	ND		0.78	0.20	ug/Kg		03/04/24 17:20	03/05/24 02:21	1
m,p-Xylene	ND		1.6	0.37	ug/Kg		03/04/24 17:20	03/05/24 02:21	1
p-Isopropyltoluene	ND		0.78	0.22	ug/Kg		03/04/24 17:20	03/05/24 02:21	1
sec-Butylbenzene	ND		0.78	0.21	ug/Kg		03/04/24 17:20	03/05/24 02:21	1
Styrene	ND		0.78	0.25	ug/Kg		03/04/24 17:20	03/05/24 02:21	1
trans-1,2-Dichloroethene	ND		0.78	0.23	ug/Kg		03/04/24 17:20	03/05/24 02:21	1
trans-1,3-Dichloropropene	ND		1.6	0.22	ug/Kg		03/04/24 17:20	03/05/24 02:21	1
Tert-amyl-methyl ether (TAME)	ND		0.78	0.15	ug/Kg		03/04/24 17:20	03/05/24 02:21	1
tert-Butyl alcohol (TBA)	**5.8**	**J**	16	5.4	ug/Kg		03/04/24 17:20	03/05/24 02:21	1
tert-Butylbenzene	ND		0.78	0.20	ug/Kg		03/04/24 17:20	03/05/24 02:21	1
Tetrachloroethene	**0.27**	**J**	0.78	0.17	ug/Kg		03/04/24 17:20	03/05/24 02:21	1
Toluene	**0.27**	**J**	0.78	0.21	ug/Kg		03/04/24 17:20	03/05/24 02:21	1
Trichloroethene	ND		1.6	0.30	ug/Kg		03/04/24 17:20	03/05/24 02:21	1

Method: SW846 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Client Sample ID: CEB9-5'
Date Collected: 02/28/24 09:12
Date Received: 02/29/24 18:50

Lab Sample ID: 570-174496-10
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichlorofluoromethane	ND		7.8	0.21	ug/Kg		03/04/24 17:20	03/05/24 02:21	1
Vinyl acetate	ND		7.8	3.0	ug/Kg		03/04/24 17:20	03/05/24 02:21	1
Vinyl chloride	ND		0.78	0.29	ug/Kg		03/04/24 17:20	03/05/24 02:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*109*		*32 - 179*	*03/04/24 17:20*	*03/05/24 02:21*	*1*
4-Bromofluorobenzene (Surr)	*97*		*80 - 120*	*03/04/24 17:20*	*03/05/24 02:21*	*1*
Dibromofluoromethane (Surr)	*104*		*58 - 147*	*03/04/24 17:20*	*03/05/24 02:21*	*1*
Toluene-d8 (Surr)	*96*		*80 - 120*	*03/04/24 17:20*	*03/05/24 02:21*	*1*

Client Sample ID: CEB10-2'
Date Collected: 02/28/24 12:25
Date Received: 02/29/24 18:50

Lab Sample ID: 570-174496-13
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.84	0.25	ug/Kg		03/04/24 17:20	03/05/24 02:43	1
1,1,1-Trichloroethane	ND		0.84	0.20	ug/Kg		03/04/24 17:20	03/05/24 02:43	1
1,1,2,2-Tetrachloroethane	ND		1.7	0.46	ug/Kg		03/04/24 17:20	03/05/24 02:43	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		8.4	0.39	ug/Kg		03/04/24 17:20	03/05/24 02:43	1
1,1,2-Trichloroethane	ND		0.84	0.39	ug/Kg		03/04/24 17:20	03/05/24 02:43	1
1,1-Dichloroethane	ND		0.84	0.24	ug/Kg		03/04/24 17:20	03/05/24 02:43	1
1,1-Dichloroethene	ND		0.84	0.22	ug/Kg		03/04/24 17:20	03/05/24 02:43	1
1,1-Dichloropropene	ND		1.7	0.33	ug/Kg		03/04/24 17:20	03/05/24 02:43	1
1,2,3-Trichlorobenzene	ND		1.7	0.32	ug/Kg		03/04/24 17:20	03/05/24 02:43	1
1,2,3-Trichloropropane	ND		1.7	0.35	ug/Kg		03/04/24 17:20	03/05/24 02:43	1
1,2,4-Trichlorobenzene	ND		1.7	0.35	ug/Kg		03/04/24 17:20	03/05/24 02:43	1
1,2,4-Trimethylbenzene	ND		1.7	0.51	ug/Kg		03/04/24 17:20	03/05/24 02:43	1
1,2-Dibromo-3-Chloropropane	ND		8.4	2.8	ug/Kg		03/04/24 17:20	03/05/24 02:43	1
1,2-Dibromoethane	ND		0.84	0.17	ug/Kg		03/04/24 17:20	03/05/24 02:43	1
1,2-Dichlorobenzene	ND		0.84	0.21	ug/Kg		03/04/24 17:20	03/05/24 02:43	1
1,2-Dichloroethane	ND		0.84	0.23	ug/Kg		03/04/24 17:20	03/05/24 02:43	1
1,2-Dichloropropane	ND		0.84	0.23	ug/Kg		03/04/24 17:20	03/05/24 02:43	1
1,3,5-Trimethylbenzene	ND		1.7	0.22	ug/Kg		03/04/24 17:20	03/05/24 02:43	1
1,3-Dichlorobenzene	ND		0.84	0.21	ug/Kg		03/04/24 17:20	03/05/24 02:43	1
1,3-Dichloropropane	ND		0.84	0.25	ug/Kg		03/04/24 17:20	03/05/24 02:43	1
1,4-Dichlorobenzene	ND		0.84	0.26	ug/Kg		03/04/24 17:20	03/05/24 02:43	1
2,2-Dichloropropane	ND		4.2	0.23	ug/Kg		03/04/24 17:20	03/05/24 02:43	1
2-Butanone	**4.0**	**J**	17	3.8	ug/Kg		03/04/24 17:20	03/05/24 02:43	1
2-Chlorotoluene	ND		0.84	0.21	ug/Kg		03/04/24 17:20	03/05/24 02:43	1
2-Hexanone	ND		17	2.6	ug/Kg		03/04/24 17:20	03/05/24 02:43	1
4-Chlorotoluene	ND		0.84	0.20	ug/Kg		03/04/24 17:20	03/05/24 02:43	1
4-Methyl-2-pentanone	ND		17	2.5	ug/Kg		03/04/24 17:20	03/05/24 02:43	1
Acetone	**75**		17	8.3	ug/Kg		03/04/24 17:20	03/05/24 02:43	1
Benzene	**0.89**		0.84	0.22	ug/Kg		03/04/24 17:20	03/05/24 02:43	1
Bromobenzene	ND		0.84	0.18	ug/Kg		03/04/24 17:20	03/05/24 02:43	1
Bromochloromethane	ND		1.7	0.37	ug/Kg		03/04/24 17:20	03/05/24 02:43	1
Bromodichloromethane	ND		0.84	0.27	ug/Kg		03/04/24 17:20	03/05/24 02:43	1
Bromoform	ND		4.2	1.1	ug/Kg		03/04/24 17:20	03/05/24 02:43	1
Bromomethane	ND		17	5.5	ug/Kg		03/04/24 17:20	03/05/24 02:43	1
cis-1,2-Dichloroethene	ND		0.84	0.28	ug/Kg		03/04/24 17:20	03/05/24 02:43	1
cis-1,3-Dichloropropene	ND		0.84	0.29	ug/Kg		03/04/24 17:20	03/05/24 02:43	1

Method: SW846 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Client Sample ID: CEB10-2'
Date Collected: 02/28/24 12:25
Date Received: 02/29/24 18:50

Lab Sample ID: 570-174496-13
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon disulfide	ND		8.4	0.34	ug/Kg		03/04/24 17:20	03/05/24 02:43	1
Carbon tetrachloride	ND		0.84	0.25	ug/Kg		03/04/24 17:20	03/05/24 02:43	1
Chlorobenzene	ND		0.84	0.23	ug/Kg		03/04/24 17:20	03/05/24 02:43	1
Chloroethane	ND		1.7	0.63	ug/Kg		03/04/24 17:20	03/05/24 02:43	1
Chloroform	ND		0.84	0.50	ug/Kg		03/04/24 17:20	03/05/24 02:43	1
Chloromethane	ND		17	1.3	ug/Kg		03/04/24 17:20	03/05/24 02:43	1
Dibromochloromethane	ND		1.7	0.23	ug/Kg		03/04/24 17:20	03/05/24 02:43	1
Dibromomethane	ND		0.84	0.26	ug/Kg		03/04/24 17:20	03/05/24 02:43	1
Dichlorodifluoromethane	ND		1.7	0.38	ug/Kg		03/04/24 17:20	03/05/24 02:43	1
Di-isopropyl ether (DIPE)	ND		0.84	0.42	ug/Kg		03/04/24 17:20	03/05/24 02:43	1
Ethanol	ND		210	78	ug/Kg		03/04/24 17:20	03/05/24 02:43	1
Ethylbenzene	**0.20**	**J**	0.84	0.17	ug/Kg		03/04/24 17:20	03/05/24 02:43	1
Ethyl-t-butyl ether (ETBE)	ND		0.84	0.20	ug/Kg		03/04/24 17:20	03/05/24 02:43	1
Isopropylbenzene	ND		0.84	0.23	ug/Kg		03/04/24 17:20	03/05/24 02:43	1
Methylene Chloride	ND		8.4	2.6	ug/Kg		03/04/24 17:20	03/05/24 02:43	1
Methyl-t-Butyl Ether (MTBE)	ND		1.7	0.16	ug/Kg		03/04/24 17:20	03/05/24 02:43	1
Naphthalene	ND		8.4	3.3	ug/Kg		03/04/24 17:20	03/05/24 02:43	1
n-Butylbenzene	ND		0.84	0.18	ug/Kg		03/04/24 17:20	03/05/24 02:43	1
N-Propylbenzene	ND		1.7	0.22	ug/Kg		03/04/24 17:20	03/05/24 02:43	1
o-Xylene	**0.29**	**J**	0.84	0.21	ug/Kg		03/04/24 17:20	03/05/24 02:43	1
m,p-Xylene	**0.72**	**J**	1.7	0.40	ug/Kg		03/04/24 17:20	03/05/24 02:43	1
p-Isopropyltoluene	ND		0.84	0.24	ug/Kg		03/04/24 17:20	03/05/24 02:43	1
sec-Butylbenzene	ND		0.84	0.23	ug/Kg		03/04/24 17:20	03/05/24 02:43	1
Styrene	ND		0.84	0.27	ug/Kg		03/04/24 17:20	03/05/24 02:43	1
trans-1,2-Dichloroethene	ND		0.84	0.25	ug/Kg		03/04/24 17:20	03/05/24 02:43	1
trans-1,3-Dichloropropene	ND		1.7	0.24	ug/Kg		03/04/24 17:20	03/05/24 02:43	1
Tert-amyl-methyl ether (TAME)	ND		0.84	0.16	ug/Kg		03/04/24 17:20	03/05/24 02:43	1
tert-Butyl alcohol (TBA)	ND		17	5.9	ug/Kg		03/04/24 17:20	03/05/24 02:43	1
tert-Butylbenzene	ND		0.84	0.21	ug/Kg		03/04/24 17:20	03/05/24 02:43	1
Tetrachloroethene	**0.21**	**J**	0.84	0.19	ug/Kg		03/04/24 17:20	03/05/24 02:43	1
Toluene	**0.59**	**J**	0.84	0.23	ug/Kg		03/04/24 17:20	03/05/24 02:43	1
Trichloroethene	ND		1.7	0.33	ug/Kg		03/04/24 17:20	03/05/24 02:43	1
Trichlorofluoromethane	ND		8.4	0.23	ug/Kg		03/04/24 17:20	03/05/24 02:43	1
Vinyl acetate	ND		8.4	3.3	ug/Kg		03/04/24 17:20	03/05/24 02:43	1
Vinyl chloride	ND		0.84	0.32	ug/Kg		03/04/24 17:20	03/05/24 02:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*107*		*32 - 179*	*03/04/24 17:20*	*03/05/24 02:43*	*1*
4-Bromofluorobenzene (Surr)	*98*		*80 - 120*	*03/04/24 17:20*	*03/05/24 02:43*	*1*
Dibromofluoromethane (Surr)	*102*		*58 - 147*	*03/04/24 17:20*	*03/05/24 02:43*	*1*
Toluene-d8 (Surr)	*95*		*80 - 120*	*03/04/24 17:20*	*03/05/24 02:43*	*1*

Client Sample ID: CEB10-5'
Date Collected: 02/28/24 12:28
Date Received: 02/29/24 18:50

Lab Sample ID: 570-174496-14
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.84	0.24	ug/Kg		03/04/24 17:20	03/05/24 03:04	1
1,1,1-Trichloroethane	ND		0.84	0.20	ug/Kg		03/04/24 17:20	03/05/24 03:04	1
1,1,2,2-Tetrachloroethane	ND		1.7	0.46	ug/Kg		03/04/24 17:20	03/05/24 03:04	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		8.4	0.39	ug/Kg		03/04/24 17:20	03/05/24 03:04	1

Method: SW846 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Client Sample ID: CEB10-5'
Date Collected: 02/28/24 12:28
Date Received: 02/29/24 18:50

Lab Sample ID: 570-174496-14
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2-Trichloroethane	ND		0.84	0.39	ug/Kg		03/04/24 17:20	03/05/24 03:04	1
1,1-Dichloroethane	ND		0.84	0.23	ug/Kg		03/04/24 17:20	03/05/24 03:04	1
1,1-Dichloroethene	ND		0.84	0.22	ug/Kg		03/04/24 17:20	03/05/24 03:04	1
1,1-Dichloropropene	ND		1.7	0.32	ug/Kg		03/04/24 17:20	03/05/24 03:04	1
1,2,3-Trichlorobenzene	ND		1.7	0.32	ug/Kg		03/04/24 17:20	03/05/24 03:04	1
1,2,3-Trichloropropane	ND		1.7	0.35	ug/Kg		03/04/24 17:20	03/05/24 03:04	1
1,2,4-Trichlorobenzene	ND		1.7	0.34	ug/Kg		03/04/24 17:20	03/05/24 03:04	1
1,2,4-Trimethylbenzene	ND		1.7	0.50	ug/Kg		03/04/24 17:20	03/05/24 03:04	1
1,2-Dibromo-3-Chloropropane	ND		8.4	2.8	ug/Kg		03/04/24 17:20	03/05/24 03:04	1
1,2-Dibromoethane	ND		0.84	0.17	ug/Kg		03/04/24 17:20	03/05/24 03:04	1
1,2-Dichlorobenzene	ND		0.84	0.21	ug/Kg		03/04/24 17:20	03/05/24 03:04	1
1,2-Dichloroethane	ND		0.84	0.23	ug/Kg		03/04/24 17:20	03/05/24 03:04	1
1,2-Dichloropropane	ND		0.84	0.23	ug/Kg		03/04/24 17:20	03/05/24 03:04	1
1,3,5-Trimethylbenzene	ND		1.7	0.22	ug/Kg		03/04/24 17:20	03/05/24 03:04	1
1,3-Dichlorobenzene	ND		0.84	0.21	ug/Kg		03/04/24 17:20	03/05/24 03:04	1
1,3-Dichloropropane	ND		0.84	0.25	ug/Kg		03/04/24 17:20	03/05/24 03:04	1
1,4-Dichlorobenzene	ND		0.84	0.26	ug/Kg		03/04/24 17:20	03/05/24 03:04	1
2,2-Dichloropropane	ND		4.2	0.23	ug/Kg		03/04/24 17:20	03/05/24 03:04	1
2-Butanone	ND		17	3.8	ug/Kg		03/04/24 17:20	03/05/24 03:04	1
2-Chlorotoluene	ND		0.84	0.21	ug/Kg		03/04/24 17:20	03/05/24 03:04	1
2-Hexanone	ND		17	2.6	ug/Kg		03/04/24 17:20	03/05/24 03:04	1
4-Chlorotoluene	ND		0.84	0.20	ug/Kg		03/04/24 17:20	03/05/24 03:04	1
4-Methyl-2-pentanone	ND		17	2.4	ug/Kg		03/04/24 17:20	03/05/24 03:04	1
Acetone	**12**	**J**	17	8.2	ug/Kg		03/04/24 17:20	03/05/24 03:04	1
Benzene	**0.63**	**J**	0.84	0.22	ug/Kg		03/04/24 17:20	03/05/24 03:04	1
Bromobenzene	ND		0.84	0.17	ug/Kg		03/04/24 17:20	03/05/24 03:04	1
Bromochloromethane	ND		1.7	0.37	ug/Kg		03/04/24 17:20	03/05/24 03:04	1
Bromodichloromethane	ND		0.84	0.27	ug/Kg		03/04/24 17:20	03/05/24 03:04	1
Bromoform	ND		4.2	1.1	ug/Kg		03/04/24 17:20	03/05/24 03:04	1
Bromomethane	ND		17	5.5	ug/Kg		03/04/24 17:20	03/05/24 03:04	1
cis-1,2-Dichloroethene	ND		0.84	0.28	ug/Kg		03/04/24 17:20	03/05/24 03:04	1
cis-1,3-Dichloropropene	ND		0.84	0.29	ug/Kg		03/04/24 17:20	03/05/24 03:04	1
Carbon disulfide	ND		8.4	0.34	ug/Kg		03/04/24 17:20	03/05/24 03:04	1
Carbon tetrachloride	ND		0.84	0.25	ug/Kg		03/04/24 17:20	03/05/24 03:04	1
Chlorobenzene	ND		0.84	0.22	ug/Kg		03/04/24 17:20	03/05/24 03:04	1
Chloroethane	ND		1.7	0.62	ug/Kg		03/04/24 17:20	03/05/24 03:04	1
Chloroform	ND		0.84	0.49	ug/Kg		03/04/24 17:20	03/05/24 03:04	1
Chloromethane	ND		17	1.3	ug/Kg		03/04/24 17:20	03/05/24 03:04	1
Dibromochloromethane	ND		1.7	0.23	ug/Kg		03/04/24 17:20	03/05/24 03:04	1
Dibromomethane	ND		0.84	0.26	ug/Kg		03/04/24 17:20	03/05/24 03:04	1
Dichlorodifluoromethane	ND		1.7	0.38	ug/Kg		03/04/24 17:20	03/05/24 03:04	1
Di-isopropyl ether (DIPE)	ND		0.84	0.42	ug/Kg		03/04/24 17:20	03/05/24 03:04	1
Ethanol	ND		210	77	ug/Kg		03/04/24 17:20	03/05/24 03:04	1
Ethylbenzene	ND		0.84	0.17	ug/Kg		03/04/24 17:20	03/05/24 03:04	1
Ethyl-t-butyl ether (ETBE)	ND		0.84	0.20	ug/Kg		03/04/24 17:20	03/05/24 03:04	1
Isopropylbenzene	ND		0.84	0.23	ug/Kg		03/04/24 17:20	03/05/24 03:04	1
Methylene Chloride	ND		8.4	2.6	ug/Kg		03/04/24 17:20	03/05/24 03:04	1
Methyl-t-Butyl Ether (MTBE)	ND		1.7	0.16	ug/Kg		03/04/24 17:20	03/05/24 03:04	1
Naphthalene	ND		8.4	3.3	ug/Kg		03/04/24 17:20	03/05/24 03:04	1

Method: SW846 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Client Sample ID: CEB10-5'
Date Collected: 02/28/24 12:28
Date Received: 02/29/24 18:50

Lab Sample ID: 570-174496-14
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
n-Butylbenzene	ND		0.84	0.18	ug/Kg		03/04/24 17:20	03/05/24 03:04	1
N-Propylbenzene	ND		1.7	0.22	ug/Kg		03/04/24 17:20	03/05/24 03:04	1
o-Xylene	ND		0.84	0.21	ug/Kg		03/04/24 17:20	03/05/24 03:04	1
m,p-Xylene	**0.52**	**J**	1.7	0.40	ug/Kg		03/04/24 17:20	03/05/24 03:04	1
p-Isopropyltoluene	ND		0.84	0.24	ug/Kg		03/04/24 17:20	03/05/24 03:04	1
sec-Butylbenzene	ND		0.84	0.23	ug/Kg		03/04/24 17:20	03/05/24 03:04	1
Styrene	ND		0.84	0.27	ug/Kg		03/04/24 17:20	03/05/24 03:04	1
trans-1,2-Dichloroethene	ND		0.84	0.25	ug/Kg		03/04/24 17:20	03/05/24 03:04	1
trans-1,3-Dichloropropene	ND		1.7	0.23	ug/Kg		03/04/24 17:20	03/05/24 03:04	1
Tert-amyl-methyl ether (TAME)	ND		0.84	0.16	ug/Kg		03/04/24 17:20	03/05/24 03:04	1
tert-Butyl alcohol (TBA)	ND		17	5.9	ug/Kg		03/04/24 17:20	03/05/24 03:04	1
tert-Butylbenzene	ND		0.84	0.21	ug/Kg		03/04/24 17:20	03/05/24 03:04	1
Tetrachloroethene	ND		0.84	0.19	ug/Kg		03/04/24 17:20	03/05/24 03:04	1
Toluene	**0.52**	**J**	0.84	0.23	ug/Kg		03/04/24 17:20	03/05/24 03:04	1
Trichloroethene	ND		1.7	0.32	ug/Kg		03/04/24 17:20	03/05/24 03:04	1
Trichlorofluoromethane	ND		8.4	0.23	ug/Kg		03/04/24 17:20	03/05/24 03:04	1
Vinyl acetate	ND		8.4	3.3	ug/Kg		03/04/24 17:20	03/05/24 03:04	1
Vinyl chloride	ND		0.84	0.32	ug/Kg		03/04/24 17:20	03/05/24 03:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*113*		*32 - 179*	*03/04/24 17:20*	*03/05/24 03:04*	*1*
4-Bromofluorobenzene (Surr)	*98*		*80 - 120*	*03/04/24 17:20*	*03/05/24 03:04*	*1*
Dibromofluoromethane (Surr)	*105*		*58 - 147*	*03/04/24 17:20*	*03/05/24 03:04*	*1*
Toluene-d8 (Surr)	*95*		*80 - 120*	*03/04/24 17:20*	*03/05/24 03:04*	*1*

Method: SW846 8015B - Diesel Range Organics (DRO) (GC)

Client Sample ID: CEB7-10'
Date Collected: 02/28/24 07:33
Date Received: 02/29/24 18:50

Lab Sample ID: 570-174496-3
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	5.6		5.0	3.8	mg/Kg		03/04/24 17:06	03/05/24 22:19	1
TPH as Motor Oil (C17-C44)	ND		25	11	mg/Kg		03/04/24 17:06	03/05/24 22:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane (Surr)	*100*		*60 - 138*	*03/04/24 17:06*	*03/05/24 22:19*	*1*

Client Sample ID: CEB8-2'
Date Collected: 02/28/24 08:20
Date Received: 02/29/24 18:50

Lab Sample ID: 570-174496-5
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	7.0		4.8	3.7	mg/Kg		03/04/24 17:06	03/06/24 04:57	1
TPH as Motor Oil (C17-C44)	ND		24	11	mg/Kg		03/04/24 17:06	03/06/24 04:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane (Surr)	*103*		*60 - 138*	*03/04/24 17:06*	*03/06/24 04:57*	*1*

Client Sample ID: CEB8-5'
Date Collected: 02/28/24 08:25
Date Received: 02/29/24 18:50

Lab Sample ID: 570-174496-6
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	4.2	J	5.0	3.9	mg/Kg		03/04/24 17:06	03/06/24 05:19	1
TPH as Motor Oil (C17-C44)	ND		25	11	mg/Kg		03/04/24 17:06	03/06/24 05:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane (Surr)	*103*		*60 - 138*	*03/04/24 17:06*	*03/06/24 05:19*	*1*

Client Sample ID: CEB9-2'
Date Collected: 02/28/24 09:10
Date Received: 02/29/24 18:50

Lab Sample ID: 570-174496-9
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	9.6		5.0	3.9	mg/Kg		03/04/24 17:06	03/06/24 05:41	1
TPH as Motor Oil (C17-C44)	ND		25	11	mg/Kg		03/04/24 17:06	03/06/24 05:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane (Surr)	*105*		*60 - 138*	*03/04/24 17:06*	*03/06/24 05:41*	*1*

Client Sample ID: CEB9-5'
Date Collected: 02/28/24 09:12
Date Received: 02/29/24 18:50

Lab Sample ID: 570-174496-10
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	13		5.1	3.9	mg/Kg		03/04/24 17:06	03/06/24 06:03	1
TPH as Motor Oil (C17-C44)	ND		25	12	mg/Kg		03/04/24 17:06	03/06/24 06:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane (Surr)	*100*		*60 - 138*	*03/04/24 17:06*	*03/06/24 06:03*	*1*

Client Sample ID: CEB10-2'
Date Collected: 02/28/24 12:25
Date Received: 02/29/24 18:50

Lab Sample ID: 570-174496-13
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	5.1		4.9	3.8	mg/Kg		03/04/24 17:06	03/06/24 06:26	1
TPH as Motor Oil (C17-C44)	ND		25	11	mg/Kg		03/04/24 17:06	03/06/24 06:26	1

Method: SW846 8015B - Diesel Range Organics (DRO) (GC) (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
n-Octacosane (Surr)	100		60 - 138	03/04/24 17:06	03/06/24 06:26	1

Client Sample ID: CEB10-5'
Date Collected: 02/28/24 12:28
Date Received: 02/29/24 18:50

Lab Sample ID: 570-174496-14
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		5.0	3.8	mg/Kg		03/04/24 17:06	03/06/24 06:48	1
TPH as Motor Oil (C17-C44)	ND		25	11	mg/Kg		03/04/24 17:06	03/06/24 06:48	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
n-Octacosane (Surr)	97		60 - 138	03/04/24 17:06	03/06/24 06:48	1

Method: SW846 6010B - Metals (ICP)

Client Sample ID: CEB7-10'
Date Collected: 02/28/24 07:33
Date Received: 02/29/24 18:50

Lab Sample ID: 570-174496-3
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND	F1	10.1	2.87	mg/Kg		03/05/24 05:44	03/05/24 16:05	5
Arsenic	ND		3.02	1.40	mg/Kg		03/05/24 05:44	03/05/24 16:05	5
Barium	**53.7**	**F1**	3.02	0.143	mg/Kg		03/05/24 05:44	03/05/24 16:05	5
Beryllium	**0.302**	**J**	0.503	0.0693	mg/Kg		03/05/24 05:44	03/05/24 16:05	5
Cadmium	ND		0.503	0.165	mg/Kg		03/05/24 05:44	03/05/24 16:05	5
Chromium	**9.37**	**F1**	1.01	0.187	mg/Kg		03/05/24 05:44	03/05/24 16:05	5
Cobalt	**4.15**	**F1**	1.01	0.207	mg/Kg		03/05/24 05:44	03/05/24 16:05	5
Copper	**8.37**		2.01	0.963	mg/Kg		03/05/24 05:44	03/05/24 16:05	5
Lead	**1.66**	**J**	2.01	0.411	mg/Kg		03/05/24 05:44	03/05/24 16:05	5
Molybdenum	ND		2.01	0.518	mg/Kg		03/05/24 05:44	03/05/24 16:05	5
Nickel	**5.41**	**F1**	2.01	0.364	mg/Kg		03/05/24 05:44	03/05/24 16:05	5
Selenium	ND	F1	3.02	1.23	mg/Kg		03/05/24 05:44	03/05/24 16:05	5
Silver	ND		1.51	0.145	mg/Kg		03/05/24 05:44	03/05/24 16:05	5
Thallium	ND		10.1	2.12	mg/Kg		03/05/24 05:44	03/05/24 16:05	5
Vanadium	**28.9**	**F1**	1.01	0.169	mg/Kg		03/05/24 05:44	03/05/24 16:05	5
Zinc	**26.7**	**F1**	5.03	1.16	mg/Kg		03/05/24 05:44	03/05/24 16:05	5

Client Sample ID: CEB8-2'
Date Collected: 02/28/24 08:20
Date Received: 02/29/24 18:50

Lab Sample ID: 570-174496-5
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		10.2	2.90	mg/Kg		03/05/24 07:30	03/05/24 18:33	5
Arsenic	ND		3.05	1.41	mg/Kg		03/05/24 07:30	03/05/24 18:33	5
Barium	**66.1**		3.05	0.144	mg/Kg		03/05/24 07:30	03/05/24 18:33	5
Beryllium	**0.178**	**J**	0.508	0.0701	mg/Kg		03/05/24 07:30	03/05/24 18:33	5
Cadmium	ND		0.508	0.166	mg/Kg		03/05/24 07:30	03/05/24 18:33	5
Chromium	**11.1**		1.02	0.189	mg/Kg		03/05/24 07:30	03/05/24 18:33	5
Cobalt	**5.08**		1.02	0.209	mg/Kg		03/05/24 07:30	03/05/24 18:33	5
Copper	**10.7**		2.03	0.973	mg/Kg		03/05/24 07:30	03/05/24 18:33	5
Lead	**3.32**		2.03	0.415	mg/Kg		03/05/24 07:30	03/05/24 18:33	5
Molybdenum	**0.546**	**J**	2.03	0.523	mg/Kg		03/05/24 07:30	03/05/24 18:33	5
Nickel	**6.95**		2.03	0.368	mg/Kg		03/05/24 07:30	03/05/24 18:33	5
Selenium	ND		3.05	1.24	mg/Kg		03/05/24 07:30	03/05/24 18:33	5
Silver	ND		1.52	0.146	mg/Kg		03/05/24 07:30	03/05/24 18:33	5
Thallium	ND		10.2	2.14	mg/Kg		03/05/24 07:30	03/05/24 18:33	5
Vanadium	**29.7**		1.02	0.171	mg/Kg		03/05/24 07:30	03/05/24 18:33	5
Zinc	**31.5**		5.08	1.17	mg/Kg		03/05/24 07:30	03/05/24 18:33	5

Client Sample ID: CEB8-5'
Date Collected: 02/28/24 08:25
Date Received: 02/29/24 18:50

Lab Sample ID: 570-174496-6
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		10.2	2.92	mg/Kg		03/05/24 07:30	03/05/24 18:35	5
Arsenic	ND		3.06	1.42	mg/Kg		03/05/24 07:30	03/05/24 18:35	5
Barium	**41.8**		3.06	0.145	mg/Kg		03/05/24 07:30	03/05/24 18:35	5
Beryllium	**0.0893**	**J**	0.510	0.0704	mg/Kg		03/05/24 07:30	03/05/24 18:35	5
Cadmium	ND		0.510	0.167	mg/Kg		03/05/24 07:30	03/05/24 18:35	5
Chromium	**7.22**		1.02	0.190	mg/Kg		03/05/24 07:30	03/05/24 18:35	5
Cobalt	**3.20**		1.02	0.210	mg/Kg		03/05/24 07:30	03/05/24 18:35	5
Copper	**5.75**		2.04	0.978	mg/Kg		03/05/24 07:30	03/05/24 18:35	5

Method: SW846 6010B - Metals (ICP) (Continued)

Client Sample ID: CEB8-5'
Date Collected: 02/28/24 08:25
Date Received: 02/29/24 18:50

Lab Sample ID: 570-174496-6
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	1.80	J	2.04	0.417	mg/Kg		03/05/24 07:30	03/05/24 18:35	5
Molybdenum	ND		2.04	0.526	mg/Kg		03/05/24 07:30	03/05/24 18:35	5
Nickel	3.62		2.04	0.369	mg/Kg		03/05/24 07:30	03/05/24 18:35	5
Selenium	ND		3.06	1.25	mg/Kg		03/05/24 07:30	03/05/24 18:35	5
Silver	ND		1.53	0.147	mg/Kg		03/05/24 07:30	03/05/24 18:35	5
Thallium	ND		10.2	2.15	mg/Kg		03/05/24 07:30	03/05/24 18:35	5
Vanadium	21.2		1.02	0.171	mg/Kg		03/05/24 07:30	03/05/24 18:35	5
Zinc	19.4		5.10	1.18	mg/Kg		03/05/24 07:30	03/05/24 18:35	5

Client Sample ID: CEB9-2'
Date Collected: 02/28/24 09:10
Date Received: 02/29/24 18:50

Lab Sample ID: 570-174496-9
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		10.2	2.92	mg/Kg		03/05/24 07:30	03/05/24 18:37	5
Arsenic	ND		3.06	1.42	mg/Kg		03/05/24 07:30	03/05/24 18:37	5
Barium	66.4		3.06	0.145	mg/Kg		03/05/24 07:30	03/05/24 18:37	5
Beryllium	0.166	J	0.510	0.0704	mg/Kg		03/05/24 07:30	03/05/24 18:37	5
Cadmium	ND		0.510	0.167	mg/Kg		03/05/24 07:30	03/05/24 18:37	5
Chromium	10.0		1.02	0.190	mg/Kg		03/05/24 07:30	03/05/24 18:37	5
Cobalt	4.97		1.02	0.210	mg/Kg		03/05/24 07:30	03/05/24 18:37	5
Copper	9.91		2.04	0.978	mg/Kg		03/05/24 07:30	03/05/24 18:37	5
Lead	2.13		2.04	0.417	mg/Kg		03/05/24 07:30	03/05/24 18:37	5
Molybdenum	ND		2.04	0.526	mg/Kg		03/05/24 07:30	03/05/24 18:37	5
Nickel	6.06		2.04	0.369	mg/Kg		03/05/24 07:30	03/05/24 18:37	5
Selenium	ND		3.06	1.25	mg/Kg		03/05/24 07:30	03/05/24 18:37	5
Silver	ND		1.53	0.147	mg/Kg		03/05/24 07:30	03/05/24 18:37	5
Thallium	ND		10.2	2.15	mg/Kg		03/05/24 07:30	03/05/24 18:37	5
Vanadium	27.7		1.02	0.171	mg/Kg		03/05/24 07:30	03/05/24 18:37	5
Zinc	30.7		5.10	1.18	mg/Kg		03/05/24 07:30	03/05/24 18:37	5

Client Sample ID: CEB9-5'
Date Collected: 02/28/24 09:12
Date Received: 02/29/24 18:50

Lab Sample ID: 570-174496-10
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		10.2	2.92	mg/Kg		03/05/24 07:30	03/05/24 18:40	5
Arsenic	ND		3.06	1.42	mg/Kg		03/05/24 07:30	03/05/24 18:40	5
Barium	92.3		3.06	0.145	mg/Kg		03/05/24 07:30	03/05/24 18:40	5
Beryllium	0.217	J	0.510	0.0704	mg/Kg		03/05/24 07:30	03/05/24 18:40	5
Cadmium	ND		0.510	0.167	mg/Kg		03/05/24 07:30	03/05/24 18:40	5
Chromium	12.8		1.02	0.190	mg/Kg		03/05/24 07:30	03/05/24 18:40	5
Cobalt	6.36		1.02	0.210	mg/Kg		03/05/24 07:30	03/05/24 18:40	5
Copper	13.2		2.04	0.978	mg/Kg		03/05/24 07:30	03/05/24 18:40	5
Lead	4.72		2.04	0.417	mg/Kg		03/05/24 07:30	03/05/24 18:40	5
Molybdenum	ND		2.04	0.526	mg/Kg		03/05/24 07:30	03/05/24 18:40	5
Nickel	8.06		2.04	0.369	mg/Kg		03/05/24 07:30	03/05/24 18:40	5
Selenium	ND		3.06	1.25	mg/Kg		03/05/24 07:30	03/05/24 18:40	5
Silver	ND		1.53	0.147	mg/Kg		03/05/24 07:30	03/05/24 18:40	5
Thallium	ND		10.2	2.15	mg/Kg		03/05/24 07:30	03/05/24 18:40	5
Vanadium	33.1		1.02	0.171	mg/Kg		03/05/24 07:30	03/05/24 18:40	5
Zinc	38.8		5.10	1.18	mg/Kg		03/05/24 07:30	03/05/24 18:40	5

Method: SW846 6010B - Metals (ICP)

Client Sample ID: CEB10-2'
Date Collected: 02/28/24 12:25
Date Received: 02/29/24 18:50

Lab Sample ID: 570-174496-13
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		10.2	2.90	mg/Kg		03/05/24 07:30	03/05/24 18:42	5
Arsenic	**2.64**	**J**	3.05	1.41	mg/Kg		03/05/24 07:30	03/05/24 18:42	5
Barium	**69.6**		3.05	0.144	mg/Kg		03/05/24 07:30	03/05/24 18:42	5
Beryllium	**0.266**	**J**	0.508	0.0701	mg/Kg		03/05/24 07:30	03/05/24 18:42	5
Cadmium	ND		0.508	0.166	mg/Kg		03/05/24 07:30	03/05/24 18:42	5
Chromium	**8.63**		1.02	0.189	mg/Kg		03/05/24 07:30	03/05/24 18:42	5
Cobalt	**5.99**		1.02	0.209	mg/Kg		03/05/24 07:30	03/05/24 18:42	5
Copper	**23.6**		2.03	0.973	mg/Kg		03/05/24 07:30	03/05/24 18:42	5
Lead	**8.53**		2.03	0.415	mg/Kg		03/05/24 07:30	03/05/24 18:42	5
Molybdenum	ND		2.03	0.523	mg/Kg		03/05/24 07:30	03/05/24 18:42	5
Nickel	**10.6**		2.03	0.368	mg/Kg		03/05/24 07:30	03/05/24 18:42	5
Selenium	ND		3.05	1.24	mg/Kg		03/05/24 07:30	03/05/24 18:42	5
Silver	ND		1.52	0.146	mg/Kg		03/05/24 07:30	03/05/24 18:42	5
Thallium	ND		10.2	2.14	mg/Kg		03/05/24 07:30	03/05/24 18:42	5
Vanadium	**23.2**		1.02	0.171	mg/Kg		03/05/24 07:30	03/05/24 18:42	5
Zinc	**57.0**		5.08	1.17	mg/Kg		03/05/24 07:30	03/05/24 18:42	5

Client Sample ID: CEB10-5'
Date Collected: 02/28/24 12:28
Date Received: 02/29/24 18:50

Lab Sample ID: 570-174496-14
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		10.2	2.90	mg/Kg		03/05/24 07:30	03/05/24 18:44	5
Arsenic	**1.62**	**J**	3.05	1.41	mg/Kg		03/05/24 07:30	03/05/24 18:44	5
Barium	**71.8**		3.05	0.144	mg/Kg		03/05/24 07:30	03/05/24 18:44	5
Beryllium	**0.140**	**J**	0.508	0.0701	mg/Kg		03/05/24 07:30	03/05/24 18:44	5
Cadmium	ND		0.508	0.166	mg/Kg		03/05/24 07:30	03/05/24 18:44	5
Chromium	**10.9**		1.02	0.189	mg/Kg		03/05/24 07:30	03/05/24 18:44	5
Cobalt	**5.09**		1.02	0.209	mg/Kg		03/05/24 07:30	03/05/24 18:44	5
Copper	**9.02**		2.03	0.973	mg/Kg		03/05/24 07:30	03/05/24 18:44	5
Lead	**1.99**	**J**	2.03	0.415	mg/Kg		03/05/24 07:30	03/05/24 18:44	5
Molybdenum	ND		2.03	0.523	mg/Kg		03/05/24 07:30	03/05/24 18:44	5
Nickel	**6.68**		2.03	0.368	mg/Kg		03/05/24 07:30	03/05/24 18:44	5
Selenium	ND		3.05	1.24	mg/Kg		03/05/24 07:30	03/05/24 18:44	5
Silver	ND		1.52	0.146	mg/Kg		03/05/24 07:30	03/05/24 18:44	5
Thallium	ND		10.2	2.14	mg/Kg		03/05/24 07:30	03/05/24 18:44	5
Vanadium	**29.6**		1.02	0.171	mg/Kg		03/05/24 07:30	03/05/24 18:44	5
Zinc	**30.9**		5.08	1.17	mg/Kg		03/05/24 07:30	03/05/24 18:44	5

Method: SW846 7471A - Mercury (CVAA)

Client Sample ID: CEB7-10'
Date Collected: 02/28/24 07:33
Date Received: 02/29/24 18:50

Lab Sample ID: 570-174496-3
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.602		0.0833	0.0220	mg/Kg		03/04/24 18:21	03/05/24 18:09	1

Client Sample ID: CEB8-2'
Date Collected: 02/28/24 08:20
Date Received: 02/29/24 18:50

Lab Sample ID: 570-174496-5
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.0591	J	0.0850	0.0224	mg/Kg		03/04/24 18:21	03/05/24 18:11	1

Client Sample ID: CEB8-5'
Date Collected: 02/28/24 08:25
Date Received: 02/29/24 18:50

Lab Sample ID: 570-174496-6
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.0466	J	0.0801	0.0212	mg/Kg		03/04/24 18:21	03/05/24 18:13	1

Client Sample ID: CEB9-2'
Date Collected: 02/28/24 09:10
Date Received: 02/29/24 18:50

Lab Sample ID: 570-174496-9
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.0443	J	0.0833	0.0220	mg/Kg		03/04/24 18:21	03/05/24 18:15	1

Client Sample ID: CEB9-5'
Date Collected: 02/28/24 09:12
Date Received: 02/29/24 18:50

Lab Sample ID: 570-174496-10
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.0911		0.0817	0.0216	mg/Kg		03/04/24 18:21	03/05/24 18:17	1

Client Sample ID: CEB10-2'
Date Collected: 02/28/24 12:25
Date Received: 02/29/24 18:50

Lab Sample ID: 570-174496-13
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.0491	J	0.0786	0.0208	mg/Kg		03/04/24 18:21	03/05/24 18:23	1

Client Sample ID: CEB10-5'
Date Collected: 02/28/24 12:28
Date Received: 02/29/24 18:50

Lab Sample ID: 570-174496-14
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.0429	J	0.0801	0.0212	mg/Kg		03/04/24 18:21	03/05/24 18:25	1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)			
Lab Sample ID	Client Sample ID	DCA (32-179)	BFB (80-120)	DBFM (58-147)	TOL (80-120)
570-174496-3	CEB7-10'	108	99	104	96
570-174496-5	CEB8-2'	110	98	105	95
570-174496-6	CEB8-5'	107	98	102	95
570-174496-9	CEB9-2'	106	98	103	95
570-174496-10	CEB9-5'	109	97	104	96
570-174496-13	CEB10-2'	107	98	102	95
570-174496-14	CEB10-5'	113	98	105	95
LCS 570-416639/3	Lab Control Sample	90	95	99	101
LCSD 570-416639/4	Lab Control Sample Dup	90	95	99	101
MB 570-416639/6	Method Blank	93	97	94	95

Surrogate Legend

DCA = 1,2-Dichloroethane-d4 (Surr)
BFB = 4-Bromofluorobenzene (Surr)
DBFM = Dibromofluoromethane (Surr)
TOL = Toluene-d8 (Surr)

Method: 8260B/CA_LUFTMS - Volatile Organic Compounds by GC/MS

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)
Lab Sample ID	Client Sample ID	TOL (80-120)
570-174496-3	CEB7-10'	96
570-174496-5	CEB8-2'	95
570-174496-6	CEB8-5'	95
570-174496-9	CEB9-2'	95
570-174496-10	CEB9-5'	96
570-174496-13	CEB10-2'	95
570-174496-14	CEB10-5'	95
LCS 570-416641/3	Lab Control Sample	98
LCSD 570-416641/4	Lab Control Sample Dup	98
MB 570-416641/6	Method Blank	95

Surrogate Legend

TOL = Toluene-d8 (Surr)

Method: 8015B - Diesel Range Organics (DRO) (GC)

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)
Lab Sample ID	Client Sample ID	OTCSN1 (60-138)
570-174496-3	CEB7-10'	100
570-174496-3 MS	CEB7-10'	111
570-174496-3 MS	CEB7-10'	101
570-174496-3 MSD	CEB7-10'	119
570-174496-3 MSD	CEB7-10'	100
570-174496-5	CEB8-2'	103
570-174496-6	CEB8-5'	103
570-174496-9	CEB9-2'	105

Surrogate Summary

Client: California Environmental
Project/Site: #3666 / 777 S. Alameda Street

Job ID: 570-174496-1

Method: 8015B - Diesel Range Organics (DRO) (GC) (Continued)

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)
Lab Sample ID	Client Sample ID	OTCSN1 (60-138)
570-174496-10	CEB9-5'	100
570-174496-13	CEB10-2'	100
570-174496-14	CEB10-5'	97
LCS 570-416596/2-A	Lab Control Sample	103
LCS 570-416596/6-A	Lab Control Sample	104
LCSD 570-416596/3-A	Lab Control Sample Dup	101
LCSD 570-416596/7-A	Lab Control Sample Dup	104
MB 570-416596/1-A	Method Blank	131

Surrogate Legend

OTCSN = n-Octacosane (Surr)

Method: 8260B - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 570-416639/6
Matrix: Solid
Analysis Batch: 416639

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.0	0.29	ug/Kg			03/04/24 23:05	1
1,1,1-Trichloroethane	ND		1.0	0.23	ug/Kg			03/04/24 23:05	1
1,1,2,2-Tetrachloroethane	ND		2.0	0.54	ug/Kg			03/04/24 23:05	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		10	0.46	ug/Kg			03/04/24 23:05	1
1,1,2-Trichloroethane	ND		1.0	0.46	ug/Kg			03/04/24 23:05	1
1,1-Dichloroethane	ND		1.0	0.28	ug/Kg			03/04/24 23:05	1
1,1-Dichloroethene	ND		1.0	0.27	ug/Kg			03/04/24 23:05	1
1,1-Dichloropropene	ND		2.0	0.39	ug/Kg			03/04/24 23:05	1
1,2,3-Trichlorobenzene	ND		2.0	0.38	ug/Kg			03/04/24 23:05	1
1,2,3-Trichloropropane	ND		2.0	0.42	ug/Kg			03/04/24 23:05	1
1,2,4-Trichlorobenzene	ND		2.0	0.41	ug/Kg			03/04/24 23:05	1
1,2,4-Trimethylbenzene	ND		2.0	0.60	ug/Kg			03/04/24 23:05	1
1,2-Dibromo-3-Chloropropane	ND		10	3.3	ug/Kg			03/04/24 23:05	1
1,2-Dibromoethane	ND		1.0	0.21	ug/Kg			03/04/24 23:05	1
1,2-Dichlorobenzene	ND		1.0	0.25	ug/Kg			03/04/24 23:05	1
1,2-Dichloroethane	ND		1.0	0.28	ug/Kg			03/04/24 23:05	1
1,2-Dichloropropane	ND		1.0	0.28	ug/Kg			03/04/24 23:05	1
1,3,5-Trimethylbenzene	ND		2.0	0.27	ug/Kg			03/04/24 23:05	1
1,3-Dichlorobenzene	ND		1.0	0.25	ug/Kg			03/04/24 23:05	1
1,3-Dichloropropane	ND		1.0	0.30	ug/Kg			03/04/24 23:05	1
1,4-Dichlorobenzene	ND		1.0	0.31	ug/Kg			03/04/24 23:05	1
2,2-Dichloropropane	ND		5.0	0.27	ug/Kg			03/04/24 23:05	1
2-Butanone	ND		20	4.5	ug/Kg			03/04/24 23:05	1
2-Chlorotoluene	ND		1.0	0.25	ug/Kg			03/04/24 23:05	1
2-Hexanone	ND		20	3.1	ug/Kg			03/04/24 23:05	1
4-Chlorotoluene	ND		1.0	0.24	ug/Kg			03/04/24 23:05	1
4-Methyl-2-pentanone	ND		20	2.9	ug/Kg			03/04/24 23:05	1
Acetone	ND		20	9.8	ug/Kg			03/04/24 23:05	1
Benzene	ND		1.0	0.26	ug/Kg			03/04/24 23:05	1
Bromobenzene	ND		1.0	0.21	ug/Kg			03/04/24 23:05	1
Bromochloromethane	ND		2.0	0.44	ug/Kg			03/04/24 23:05	1
Bromodichloromethane	ND		1.0	0.33	ug/Kg			03/04/24 23:05	1
Bromoform	ND		5.0	1.3	ug/Kg			03/04/24 23:05	1
Bromomethane	ND		20	6.6	ug/Kg			03/04/24 23:05	1
cis-1,2-Dichloroethene	ND		1.0	0.34	ug/Kg			03/04/24 23:05	1
cis-1,3-Dichloropropene	ND		1.0	0.35	ug/Kg			03/04/24 23:05	1
Carbon disulfide	ND		10	0.40	ug/Kg			03/04/24 23:05	1
Carbon tetrachloride	ND		1.0	0.30	ug/Kg			03/04/24 23:05	1
Chlorobenzene	ND		1.0	0.27	ug/Kg			03/04/24 23:05	1
Chloroethane	ND		2.0	0.74	ug/Kg			03/04/24 23:05	1
Chloroform	ND		1.0	0.59	ug/Kg			03/04/24 23:05	1
Chloromethane	ND		20	1.5	ug/Kg			03/04/24 23:05	1
Dibromochloromethane	ND		2.0	0.27	ug/Kg			03/04/24 23:05	1
Dibromomethane	ND		1.0	0.31	ug/Kg			03/04/24 23:05	1
Dichlorodifluoromethane	ND		2.0	0.45	ug/Kg			03/04/24 23:05	1
Di-isopropyl ether (DIPE)	ND		1.0	0.50	ug/Kg			03/04/24 23:05	1
Ethanol	ND		250	92	ug/Kg			03/04/24 23:05	1
Ethylbenzene	ND		1.0	0.21	ug/Kg			03/04/24 23:05	1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 570-416639/6
Matrix: Solid
Analysis Batch: 416639

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethyl-t-butyl ether (ETBE)	ND		1.0	0.24	ug/Kg			03/04/24 23:05	1
Isopropylbenzene	ND		1.0	0.28	ug/Kg			03/04/24 23:05	1
Methylene Chloride	ND		10	3.1	ug/Kg			03/04/24 23:05	1
Methyl-t-Butyl Ether (MTBE)	ND		2.0	0.19	ug/Kg			03/04/24 23:05	1
Naphthalene	ND		10	3.9	ug/Kg			03/04/24 23:05	1
n-Butylbenzene	ND		1.0	0.21	ug/Kg			03/04/24 23:05	1
N-Propylbenzene	ND		2.0	0.26	ug/Kg			03/04/24 23:05	1
o-Xylene	ND		1.0	0.26	ug/Kg			03/04/24 23:05	1
m,p-Xylene	ND		2.0	0.47	ug/Kg			03/04/24 23:05	1
p-Isopropyltoluene	ND		1.0	0.28	ug/Kg			03/04/24 23:05	1
sec-Butylbenzene	ND		1.0	0.27	ug/Kg			03/04/24 23:05	1
Styrene	ND		1.0	0.32	ug/Kg			03/04/24 23:05	1
trans-1,2-Dichloroethene	ND		1.0	0.30	ug/Kg			03/04/24 23:05	1
trans-1,3-Dichloropropene	ND		2.0	0.28	ug/Kg			03/04/24 23:05	1
Tert-amyl-methyl ether (TAME)	ND		1.0	0.19	ug/Kg			03/04/24 23:05	1
tert-Butyl alcohol (TBA)	ND		20	7.0	ug/Kg			03/04/24 23:05	1
tert-Butylbenzene	ND		1.0	0.25	ug/Kg			03/04/24 23:05	1
Tetrachloroethene	ND		1.0	0.22	ug/Kg			03/04/24 23:05	1
Toluene	ND		1.0	0.27	ug/Kg			03/04/24 23:05	1
Trichloroethene	ND		2.0	0.39	ug/Kg			03/04/24 23:05	1
Trichlorofluoromethane	ND		10	0.27	ug/Kg			03/04/24 23:05	1
Vinyl acetate	ND		10	3.9	ug/Kg			03/04/24 23:05	1
Vinyl chloride	ND		1.0	0.38	ug/Kg			03/04/24 23:05	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*93*		*32 - 179*		*03/04/24 23:05*	*1*
4-Bromofluorobenzene (Surr)	*97*		*80 - 120*		*03/04/24 23:05*	*1*
Dibromofluoromethane (Surr)	*94*		*58 - 147*		*03/04/24 23:05*	*1*
Toluene-d8 (Surr)	*95*		*80 - 120*		*03/04/24 23:05*	*1*

Lab Sample ID: LCS 570-416639/3
Matrix: Solid
Analysis Batch: 416639

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1-Dichloroethene	50.0	50.52		ug/Kg		101	74 - 132
1,2-Dibromoethane	50.0	51.16		ug/Kg		102	80 - 120
1,2-Dichlorobenzene	50.0	51.43		ug/Kg		103	80 - 120
1,2-Dichloroethane	50.0	43.64		ug/Kg		87	77 - 120
Benzene	50.0	50.79		ug/Kg		102	80 - 120
Carbon tetrachloride	50.0	47.66		ug/Kg		95	75 - 140
Chlorobenzene	50.0	49.45		ug/Kg		99	80 - 120
Di-isopropyl ether (DIPE)	50.0	52.82		ug/Kg		106	73 - 132
Ethanol	500	449.0		ug/Kg		90	46 - 159
Ethylbenzene	50.0	49.12		ug/Kg		98	80 - 120
Ethyl-t-butyl ether (ETBE)	50.0	52.77		ug/Kg		106	77 - 129
Methyl-t-Butyl Ether (MTBE)	50.0	53.72		ug/Kg		107	79 - 123
o-Xylene	50.0	49.92		ug/Kg		100	80 - 120

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 570-416639/3
Matrix: Solid
Analysis Batch: 416639

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
m,p-Xylene	100	97.31		ug/Kg		97	80 - 120

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*90*		*32 - 179*
4-Bromofluorobenzene (Surr)	*95*		*80 - 120*
Dibromofluoromethane (Surr)	*99*		*58 - 147*
Toluene-d8 (Surr)	*101*		*80 - 120*

Lab Sample ID: LCSD 570-416639/4
Matrix: Solid
Analysis Batch: 416639

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,1-Dichloroethene	50.0	50.38		ug/Kg		101	74 - 132	0	20
1,2-Dibromoethane	50.0	52.90		ug/Kg		106	80 - 120	3	20
1,2-Dichlorobenzene	50.0	53.17		ug/Kg		106	80 - 120	3	20
1,2-Dichloroethane	50.0	44.90		ug/Kg		90	77 - 120	3	20
Benzene	50.0	51.34		ug/Kg		103	80 - 120	1	20
Carbon tetrachloride	50.0	48.57		ug/Kg		97	75 - 140	2	20
Chlorobenzene	50.0	50.70		ug/Kg		101	80 - 120	2	20
Di-isopropyl ether (DIPE)	50.0	53.76		ug/Kg		108	73 - 132	2	20
Ethanol	500	463.6		ug/Kg		93	46 - 159	3	30
Ethylbenzene	50.0	49.73		ug/Kg		99	80 - 120	1	20
Ethyl-t-butyl ether (ETBE)	50.0	54.17		ug/Kg		108	77 - 129	3	20
Methyl-t-Butyl Ether (MTBE)	50.0	55.29		ug/Kg		111	79 - 123	3	20
o-Xylene	50.0	51.18		ug/Kg		102	80 - 120	3	20
m,p-Xylene	100	99.33		ug/Kg		99	80 - 120	2	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*90*		*32 - 179*
4-Bromofluorobenzene (Surr)	*95*		*80 - 120*
Dibromofluoromethane (Surr)	*99*		*58 - 147*
Toluene-d8 (Surr)	*101*		*80 - 120*

Method: 8260B/CA_LUFTMS - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 570-416641/6
Matrix: Solid
Analysis Batch: 416641

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	ND		100	47	ug/Kg			03/04/24 23:05	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*95*		*80 - 120*		*03/04/24 23:05*	*1*

Method: 8260B/CA_LUFTMS - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 570-416641/3
Matrix: Solid
Analysis Batch: 416641

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
TPPH	1000	956.4		ug/Kg		96	65 - 135

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Toluene-d8 (Surr)	98		80 - 120

Lab Sample ID: LCSD 570-416641/4
Matrix: Solid
Analysis Batch: 416641

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
TPPH	1000	935.3		ug/Kg		94	65 - 135	2	30

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
Toluene-d8 (Surr)	98		80 - 120

Method: 8015B - Diesel Range Organics (DRO) (GC)

Lab Sample ID: MB 570-416596/1-A
Matrix: Solid
Analysis Batch: 416658

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 416596

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		5.0	3.8	mg/Kg		03/04/24 17:05	03/05/24 19:00	1
TPH as Motor Oil (C17-C44)	ND		25	11	mg/Kg		03/04/24 17:05	03/05/24 19:00	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
n-Octacosane (Surr)	131		60 - 138	03/04/24 17:05	03/05/24 19:00	1

Lab Sample ID: LCS 570-416596/2-A
Matrix: Solid
Analysis Batch: 416658

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 416596

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Diesel Range Organics [C10-C28]	400	457.7		mg/Kg		114	80 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
n-Octacosane (Surr)	103		60 - 138

Lab Sample ID: LCS 570-416596/6-A
Matrix: Solid
Analysis Batch: 416658

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 416596

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
TPH as Motor Oil (C17-C44)	400	474.2		mg/Kg		119	77 - 125

Method: 8015B - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: LCS 570-416596/6-A
Matrix: Solid
Analysis Batch: 416658

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 416596

Surrogate	LCS %Recovery	LCS Qualifier	Limits
n-Octacosane (Surr)	104		60 - 138

Lab Sample ID: LCSD 570-416596/3-A
Matrix: Solid
Analysis Batch: 416658

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 416596

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Diesel Range Organics [C10-C28]			400	449.2		mg/Kg		112	80 - 130	2	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
n-Octacosane (Surr)	101		60 - 138

Lab Sample ID: LCSD 570-416596/7-A
Matrix: Solid
Analysis Batch: 416658

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 416596

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
TPH as Motor Oil (C17-C44)			400	478.0		mg/Kg		120	77 - 125	1	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
n-Octacosane (Surr)	104		60 - 138

Lab Sample ID: 570-174496-3 MS
Matrix: Solid
Analysis Batch: 416658

Client Sample ID: CEB7-10'
Prep Type: Total/NA
Prep Batch: 416596

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Diesel Range Organics [C10-C28]	5.6		407	472.0		mg/Kg		115	43 - 165

Surrogate	MS %Recovery	MS Qualifier	Limits
n-Octacosane (Surr)	111		60 - 138

Lab Sample ID: 570-174496-3 MS
Matrix: Solid
Analysis Batch: 416658

Client Sample ID: CEB7-10'
Prep Type: Total/NA
Prep Batch: 416596

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
TPH as Motor Oil (C17-C44)	ND		403	466.8		mg/Kg		116	44 - 161

Surrogate	MS %Recovery	MS Qualifier	Limits
n-Octacosane (Surr)	101		60 - 138

Method: 8015B - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: 570-174496-3 MSD
Matrix: Solid
Analysis Batch: 416658

Client Sample ID: CEB7-10'
Prep Type: Total/NA
Prep Batch: 416596

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Diesel Range Organics [C10-C28]	5.6		403	524.5		mg/Kg		129	43 - 165	11	35

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
n-Octacosane (Surr)	*119*		*60 - 138*

Lab Sample ID: 570-174496-3 MSD
Matrix: Solid
Analysis Batch: 416658

Client Sample ID: CEB7-10'
Prep Type: Total/NA
Prep Batch: 416596

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
TPH as Motor Oil (C17-C44)	ND		399	462.4		mg/Kg		116	44 - 161	1	37

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
n-Octacosane (Surr)	*100*		*60 - 138*

Method: 6010B - Metals (ICP)

Lab Sample ID: MB 570-416720/1-A ^5
Matrix: Solid
Analysis Batch: 417033

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 416720

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		9.85	2.81	mg/Kg		03/05/24 05:44	03/05/24 15:55	5
Arsenic	ND		2.96	1.37	mg/Kg		03/05/24 05:44	03/05/24 15:55	5
Barium	ND		2.96	0.140	mg/Kg		03/05/24 05:44	03/05/24 15:55	5
Beryllium	ND		0.493	0.0680	mg/Kg		03/05/24 05:44	03/05/24 15:55	5
Cadmium	ND		0.493	0.162	mg/Kg		03/05/24 05:44	03/05/24 15:55	5
Chromium	ND		0.985	0.183	mg/Kg		03/05/24 05:44	03/05/24 15:55	5
Cobalt	ND		0.985	0.203	mg/Kg		03/05/24 05:44	03/05/24 15:55	5
Copper	ND		1.97	0.944	mg/Kg		03/05/24 05:44	03/05/24 15:55	5
Lead	ND		1.97	0.403	mg/Kg		03/05/24 05:44	03/05/24 15:55	5
Molybdenum	ND		1.97	0.507	mg/Kg		03/05/24 05:44	03/05/24 15:55	5
Nickel	ND		1.97	0.357	mg/Kg		03/05/24 05:44	03/05/24 15:55	5
Selenium	ND		2.96	1.20	mg/Kg		03/05/24 05:44	03/05/24 15:55	5
Silver	ND		1.48	0.142	mg/Kg		03/05/24 05:44	03/05/24 15:55	5
Thallium	ND		9.85	2.07	mg/Kg		03/05/24 05:44	03/05/24 15:55	5
Vanadium	ND		0.985	0.166	mg/Kg		03/05/24 05:44	03/05/24 15:55	5
Zinc	ND		4.93	1.14	mg/Kg		03/05/24 05:44	03/05/24 15:55	5

Lab Sample ID: LCS 570-416720/2-A ^5
Matrix: Solid
Analysis Batch: 417033

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 416720

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Antimony	49.3	44.82		mg/Kg		91	80 - 120
Arsenic	49.3	42.66		mg/Kg		87	80 - 120
Barium	49.3	43.25		mg/Kg		88	80 - 120
Beryllium	49.3	43.24		mg/Kg		88	80 - 120

Method: 6010B - Metals (ICP) (Continued)

Lab Sample ID: LCS 570-416720/2-A ^5
Matrix: Solid
Analysis Batch: 417033

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 416720

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Cadmium	49.3	42.25		mg/Kg		86	80 - 120
Chromium	49.3	43.21		mg/Kg		88	80 - 120
Cobalt	49.3	42.54		mg/Kg		86	80 - 120
Copper	49.3	42.24		mg/Kg		86	80 - 120
Lead	49.3	43.24		mg/Kg		88	80 - 120
Molybdenum	49.3	44.38		mg/Kg		90	80 - 120
Nickel	49.3	43.68		mg/Kg		89	80 - 120
Selenium	49.3	40.46		mg/Kg		82	80 - 120
Silver	24.6	22.13		mg/Kg		90	80 - 120
Thallium	49.3	43.77		mg/Kg		89	80 - 120
Vanadium	49.3	42.65		mg/Kg		87	80 - 120
Zinc	49.3	42.97		mg/Kg		87	80 - 120

Lab Sample ID: LCSD 570-416720/3-A ^5
Matrix: Solid
Analysis Batch: 417033

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 416720

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Antimony	49.3	46.28		mg/Kg		94	80 - 120	3	20
Arsenic	49.3	44.42		mg/Kg		90	80 - 120	4	20
Barium	49.3	45.16		mg/Kg		92	80 - 120	4	20
Beryllium	49.3	45.09		mg/Kg		92	80 - 120	4	20
Cadmium	49.3	44.29		mg/Kg		90	80 - 120	5	20
Chromium	49.3	45.41		mg/Kg		92	80 - 120	5	20
Cobalt	49.3	44.43		mg/Kg		90	80 - 120	4	20
Copper	49.3	44.21		mg/Kg		90	80 - 120	5	20
Lead	49.3	44.61		mg/Kg		91	80 - 120	3	20
Molybdenum	49.3	46.06		mg/Kg		93	80 - 120	4	20
Nickel	49.3	45.49		mg/Kg		92	80 - 120	4	20
Selenium	49.3	41.50		mg/Kg		84	80 - 120	3	20
Silver	24.6	22.96		mg/Kg		93	80 - 120	4	20
Thallium	49.3	45.55		mg/Kg		92	80 - 120	4	20
Vanadium	49.3	44.43		mg/Kg		90	80 - 120	4	20
Zinc	49.3	44.36		mg/Kg		90	80 - 120	3	20

Lab Sample ID: 570-174496-3 MS
Matrix: Solid
Analysis Batch: 417033

Client Sample ID: CEB7-10'
Prep Type: Total/NA
Prep Batch: 416720

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Antimony	ND	F1	50.5	23.07	F1	mg/Kg		46	75 - 125
Arsenic	ND		50.5	38.81		mg/Kg		77	75 - 125
Barium	53.7	F1	50.5	87.36	F1	mg/Kg		67	75 - 125
Beryllium	0.302	J	50.5	39.57		mg/Kg		78	75 - 125
Cadmium	ND		50.5	37.77		mg/Kg		75	75 - 125
Chromium	9.37	F1	50.5	46.84	F1	mg/Kg		74	75 - 125
Cobalt	4.15	F1	50.5	40.74	F1	mg/Kg		72	75 - 125
Copper	8.37		50.5	46.52		mg/Kg		76	75 - 125
Lead	1.66	J	50.5	39.55		mg/Kg		75	75 - 125

Method: 6010B - Metals (ICP) (Continued)

Lab Sample ID: 570-174496-3 MS
Matrix: Solid
Analysis Batch: 417033

Client Sample ID: CEB7-10'
Prep Type: Total/NA
Prep Batch: 416720

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Molybdenum	ND		50.5	39.84		mg/Kg		79	75 - 125
Nickel	5.41	F1	50.5	42.22	F1	mg/Kg		73	75 - 125
Selenium	ND	F1	50.5	37.05	F1	mg/Kg		73	75 - 125
Silver	ND		25.3	20.00		mg/Kg		79	75 - 125
Thallium	ND		50.5	37.97		mg/Kg		75	75 - 125
Vanadium	28.9	F1	50.5	63.52	F1	mg/Kg		68	75 - 125
Zinc	26.7	F1	50.5	60.13	F1	mg/Kg		66	75 - 125

Lab Sample ID: 570-174496-3 MSD
Matrix: Solid
Analysis Batch: 417033

Client Sample ID: CEB7-10'
Prep Type: Total/NA
Prep Batch: 416720

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Antimony	ND	F1	50.5	24.67	F1	mg/Kg		49	75 - 125	7	20
Arsenic	ND		50.5	41.82		mg/Kg		83	75 - 125	7	20
Barium	53.7	F1	50.5	94.57		mg/Kg		81	75 - 125	8	20
Beryllium	0.302	J	50.5	42.77		mg/Kg		84	75 - 125	8	20
Cadmium	ND		50.5	40.76		mg/Kg		81	75 - 125	8	20
Chromium	9.37	F1	50.5	51.10		mg/Kg		83	75 - 125	9	20
Cobalt	4.15	F1	50.5	43.81		mg/Kg		79	75 - 125	7	20
Copper	8.37		50.5	50.33		mg/Kg		83	75 - 125	8	20
Lead	1.66	J	50.5	42.50		mg/Kg		81	75 - 125	7	20
Molybdenum	ND		50.5	43.12		mg/Kg		85	75 - 125	8	20
Nickel	5.41	F1	50.5	45.52		mg/Kg		79	75 - 125	8	20
Selenium	ND	F1	50.5	39.61		mg/Kg		78	75 - 125	7	20
Silver	ND		25.3	21.58		mg/Kg		85	75 - 125	8	20
Thallium	ND		50.5	41.53		mg/Kg		82	75 - 125	9	20
Vanadium	28.9	F1	50.5	69.03		mg/Kg		79	75 - 125	8	20
Zinc	26.7	F1	50.5	64.63		mg/Kg		75	75 - 125	7	20

Method: 7471A - Mercury (CVAA)

Lab Sample ID: MB 570-416635/1-A
Matrix: Solid
Analysis Batch: 417059

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 416635

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.0833	0.0220	mg/Kg		03/04/24 18:21	03/05/24 17:34	1

Lab Sample ID: LCS 570-416635/2-A
Matrix: Solid
Analysis Batch: 417059

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 416635

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.392	0.3927		mg/Kg		100	80 - 120

Method: 7471A - Mercury (CVAA) (Continued)

Lab Sample ID: LCSD 570-416635/3-A
Matrix: Solid
Analysis Batch: 417059

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 416635

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury	0.392	0.4012		mg/Kg		102	80 - 120	2	10

GC/MS VOA

Prep Batch: 416603

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-174496-3	CEB7-10'	Total/NA	Solid	5035	
570-174496-5	CEB8-2'	Total/NA	Solid	5035	
570-174496-6	CEB8-5'	Total/NA	Solid	5035	
570-174496-9	CEB9-2'	Total/NA	Solid	5035	
570-174496-10	CEB9-5'	Total/NA	Solid	5035	
570-174496-13	CEB10-2'	Total/NA	Solid	5035	
570-174496-14	CEB10-5'	Total/NA	Solid	5035	

Analysis Batch: 416639

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-174496-3	CEB7-10'	Total/NA	Solid	8260B	416603
570-174496-5	CEB8-2'	Total/NA	Solid	8260B	416603
570-174496-6	CEB8-5'	Total/NA	Solid	8260B	416603
570-174496-9	CEB9-2'	Total/NA	Solid	8260B	416603
570-174496-10	CEB9-5'	Total/NA	Solid	8260B	416603
570-174496-13	CEB10-2'	Total/NA	Solid	8260B	416603
570-174496-14	CEB10-5'	Total/NA	Solid	8260B	416603
MB 570-416639/6	Method Blank	Total/NA	Solid	8260B	
LCS 570-416639/3	Lab Control Sample	Total/NA	Solid	8260B	
LCSD 570-416639/4	Lab Control Sample Dup	Total/NA	Solid	8260B	

Analysis Batch: 416641

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-174496-3	CEB7-10'	Total/NA	Solid	8260B/CA_LUFT MS	416603
570-174496-5	CEB8-2'	Total/NA	Solid	8260B/CA_LUFT MS	416603
570-174496-6	CEB8-5'	Total/NA	Solid	8260B/CA_LUFT MS	416603
570-174496-9	CEB9-2'	Total/NA	Solid	8260B/CA_LUFT MS	416603
570-174496-10	CEB9-5'	Total/NA	Solid	8260B/CA_LUFT MS	416603
570-174496-13	CEB10-2'	Total/NA	Solid	8260B/CA_LUFT MS	416603
570-174496-14	CEB10-5'	Total/NA	Solid	8260B/CA_LUFT MS	416603
MB 570-416641/6	Method Blank	Total/NA	Solid	8260B/CA_LUFT MS	
LCS 570-416641/3	Lab Control Sample	Total/NA	Solid	8260B/CA_LUFT MS	
LCSD 570-416641/4	Lab Control Sample Dup	Total/NA	Solid	8260B/CA_LUFT MS	

GC Semi VOA

Prep Batch: 416596

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-174496-3	CEB7-10'	Total/NA	Solid	3550C	
570-174496-5	CEB8-2'	Total/NA	Solid	3550C	
570-174496-6	CEB8-5'	Total/NA	Solid	3550C	
570-174496-9	CEB9-2'	Total/NA	Solid	3550C	
570-174496-10	CEB9-5'	Total/NA	Solid	3550C	
570-174496-13	CEB10-2'	Total/NA	Solid	3550C	

GC Semi VOA (Continued)

Prep Batch: 416596 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-174496-14	CEB10-5'	Total/NA	Solid	3550C	
MB 570-416596/1-A	Method Blank	Total/NA	Solid	3550C	
LCS 570-416596/2-A	Lab Control Sample	Total/NA	Solid	3550C	
LCS 570-416596/6-A	Lab Control Sample	Total/NA	Solid	3550C	
LCSD 570-416596/3-A	Lab Control Sample Dup	Total/NA	Solid	3550C	
LCSD 570-416596/7-A	Lab Control Sample Dup	Total/NA	Solid	3550C	
570-174496-3 MS	CEB7-10'	Total/NA	Solid	3550C	
570-174496-3 MS	CEB7-10'	Total/NA	Solid	3550C	
570-174496-3 MSD	CEB7-10'	Total/NA	Solid	3550C	
570-174496-3 MSD	CEB7-10'	Total/NA	Solid	3550C	

Analysis Batch: 416658

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-174496-3	CEB7-10'	Total/NA	Solid	8015B	416596
MB 570-416596/1-A	Method Blank	Total/NA	Solid	8015B	416596
LCS 570-416596/2-A	Lab Control Sample	Total/NA	Solid	8015B	416596
LCS 570-416596/6-A	Lab Control Sample	Total/NA	Solid	8015B	416596
LCSD 570-416596/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B	416596
LCSD 570-416596/7-A	Lab Control Sample Dup	Total/NA	Solid	8015B	416596
570-174496-3 MS	CEB7-10'	Total/NA	Solid	8015B	416596
570-174496-3 MS	CEB7-10'	Total/NA	Solid	8015B	416596
570-174496-3 MSD	CEB7-10'	Total/NA	Solid	8015B	416596
570-174496-3 MSD	CEB7-10'	Total/NA	Solid	8015B	416596

Analysis Batch: 417082

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-174496-5	CEB8-2'	Total/NA	Solid	8015B	416596
570-174496-6	CEB8-5'	Total/NA	Solid	8015B	416596
570-174496-9	CEB9-2'	Total/NA	Solid	8015B	416596
570-174496-10	CEB9-5'	Total/NA	Solid	8015B	416596
570-174496-13	CEB10-2'	Total/NA	Solid	8015B	416596
570-174496-14	CEB10-5'	Total/NA	Solid	8015B	416596

Metals

Prep Batch: 416635

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-174496-3	CEB7-10'	Total/NA	Solid	7471A	
570-174496-5	CEB8-2'	Total/NA	Solid	7471A	
570-174496-6	CEB8-5'	Total/NA	Solid	7471A	
570-174496-9	CEB9-2'	Total/NA	Solid	7471A	
570-174496-10	CEB9-5'	Total/NA	Solid	7471A	
570-174496-13	CEB10-2'	Total/NA	Solid	7471A	
570-174496-14	CEB10-5'	Total/NA	Solid	7471A	
MB 570-416635/1-A	Method Blank	Total/NA	Solid	7471A	
LCS 570-416635/2-A	Lab Control Sample	Total/NA	Solid	7471A	
LCSD 570-416635/3-A	Lab Control Sample Dup	Total/NA	Solid	7471A	

Prep Batch: 416720

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-174496-3	CEB7-10'	Total/NA	Solid	3050B	

Metals (Continued)

Prep Batch: 416720 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-174496-5	CEB8-2'	Total/NA	Solid	3050B	
570-174496-6	CEB8-5'	Total/NA	Solid	3050B	
570-174496-9	CEB9-2'	Total/NA	Solid	3050B	
570-174496-10	CEB9-5'	Total/NA	Solid	3050B	
570-174496-13	CEB10-2'	Total/NA	Solid	3050B	
570-174496-14	CEB10-5'	Total/NA	Solid	3050B	
MB 570-416720/1-A ^5	Method Blank	Total/NA	Solid	3050B	
LCS 570-416720/2-A ^5	Lab Control Sample	Total/NA	Solid	3050B	
LCSD 570-416720/3-A ^5	Lab Control Sample Dup	Total/NA	Solid	3050B	
570-174496-3 MS	CEB7-10'	Total/NA	Solid	3050B	
570-174496-3 MSD	CEB7-10'	Total/NA	Solid	3050B	

Analysis Batch: 417033

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-174496-3	CEB7-10'	Total/NA	Solid	6010B	416720
MB 570-416720/1-A ^5	Method Blank	Total/NA	Solid	6010B	416720
LCS 570-416720/2-A ^5	Lab Control Sample	Total/NA	Solid	6010B	416720
LCSD 570-416720/3-A ^5	Lab Control Sample Dup	Total/NA	Solid	6010B	416720
570-174496-3 MS	CEB7-10'	Total/NA	Solid	6010B	416720
570-174496-3 MSD	CEB7-10'	Total/NA	Solid	6010B	416720

Analysis Batch: 417059

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-174496-3	CEB7-10'	Total/NA	Solid	7471A	416635
570-174496-5	CEB8-2'	Total/NA	Solid	7471A	416635
570-174496-6	CEB8-5'	Total/NA	Solid	7471A	416635
570-174496-9	CEB9-2'	Total/NA	Solid	7471A	416635
570-174496-10	CEB9-5'	Total/NA	Solid	7471A	416635
570-174496-13	CEB10-2'	Total/NA	Solid	7471A	416635
570-174496-14	CEB10-5'	Total/NA	Solid	7471A	416635
MB 570-416635/1-A	Method Blank	Total/NA	Solid	7471A	416635
LCS 570-416635/2-A	Lab Control Sample	Total/NA	Solid	7471A	416635
LCSD 570-416635/3-A	Lab Control Sample Dup	Total/NA	Solid	7471A	416635

Analysis Batch: 417128

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-174496-5	CEB8-2'	Total/NA	Solid	6010B	416720
570-174496-6	CEB8-5'	Total/NA	Solid	6010B	416720
570-174496-9	CEB9-2'	Total/NA	Solid	6010B	416720
570-174496-10	CEB9-5'	Total/NA	Solid	6010B	416720
570-174496-13	CEB10-2'	Total/NA	Solid	6010B	416720
570-174496-14	CEB10-5'	Total/NA	Solid	6010B	416720

Lab Chronicle

Client: California Environmental
Project/Site: #3666 / 777 S. Alameda Street

Job ID: 570-174496-1

Client Sample ID: CEB7-10'

Date Collected: 02/28/24 07:33
Date Received: 02/29/24 18:50

Lab Sample ID: 570-174496-3
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			6.568 g	5 mL	416603	03/04/24 17:20	X7LQ	EET CAL 4
Total/NA	Analysis	8260B		1	5 g	5 mL	416639	03/05/24 00:54	B7TT	EET CAL 4
	Instrument ID: GCMSGGG									
Total/NA	Prep	5035			6.568 g	5 mL	416603	03/04/24 17:20	X7LQ	EET CAL 4
Total/NA	Analysis	8260B/CA_LUFTMS		1	5 g	5 mL	416641	03/05/24 00:54	B7TT	EET CAL 4
	Instrument ID: GCMSGGG_TPH									
Total/NA	Prep	3550C			10.05 g	10 mL	416596	03/04/24 17:06	JE	EET CAL 4
Total/NA	Analysis	8015B		1	10 mL	10 mL	416658	03/05/24 22:19	SP9M	EET CAL 4
	Instrument ID: GC48									
Total/NA	Prep	3050B			1.99 g	50 mL	416720	03/05/24 05:44	GYR8	EET CAL 4
Total/NA	Analysis	6010B		5			417033	03/05/24 16:05	P1R	EET CAL 4
	Instrument ID: ICP10									
Total/NA	Prep	7471A			0.50 g	50 mL	416635	03/04/24 18:21	EV3M	EET CAL 4
Total/NA	Analysis	7471A		1			417059	03/05/24 18:09	ECX6	EET CAL 4
	Instrument ID: HG7									

Client Sample ID: CEB8-2'

Date Collected: 02/28/24 08:20
Date Received: 02/29/24 18:50

Lab Sample ID: 570-174496-5
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			6.753 g	5 mL	416603	03/04/24 17:20	X7LQ	EET CAL 4
Total/NA	Analysis	8260B		1	5 g	5 mL	416639	03/05/24 01:16	B7TT	EET CAL 4
	Instrument ID: GCMSGGG									
Total/NA	Prep	5035			6.753 g	5 mL	416603	03/04/24 17:20	X7LQ	EET CAL 4
Total/NA	Analysis	8260B/CA_LUFTMS		1	5 g	5 mL	416641	03/05/24 01:16	B7TT	EET CAL 4
	Instrument ID: GCMSGGG_TPH									
Total/NA	Prep	3550C			10.39 g	10 mL	416596	03/04/24 17:06	JE	EET CAL 4
Total/NA	Analysis	8015B		1	10 mL	10 mL	417082	03/06/24 04:57	SP9M	EET CAL 4
	Instrument ID: GC48									
Total/NA	Prep	3050B			1.97 g	50 mL	416720	03/05/24 07:30	GYR8	EET CAL 4
Total/NA	Analysis	6010B		5			417128	03/05/24 18:33	P1R	EET CAL 4
	Instrument ID: ICP11									
Total/NA	Prep	7471A			0.49 g	50 mL	416635	03/04/24 18:21	EV3M	EET CAL 4
Total/NA	Analysis	7471A		1			417059	03/05/24 18:11	ECX6	EET CAL 4
	Instrument ID: HG7									

Client Sample ID: CEB8-5'

Date Collected: 02/28/24 08:25
Date Received: 02/29/24 18:50

Lab Sample ID: 570-174496-6
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			6.993 g	5 mL	416603	03/04/24 17:20	X7LQ	EET CAL 4
Total/NA	Analysis	8260B		1	5 g	5 mL	416639	03/05/24 01:37	B7TT	EET CAL 4
	Instrument ID: GCMSGGG									

Lab Chronicle

Client: California Environmental
Project/Site: #3666 / 777 S. Alameda Street

Job ID: 570-174496-1

Client Sample ID: CEB8-5'

Date Collected: 02/28/24 08:25
Date Received: 02/29/24 18:50

Lab Sample ID: 570-174496-6
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			6.993 g	5 mL	416603	03/04/24 17:20	X7LQ	EET CAL 4
Total/NA	Analysis	8260B/CA_LUFTMS		1	5 g	5 mL	416641	03/05/24 01:37	B7TT	EET CAL 4
	Instrument ID: GCMSGGG_TPH									
Total/NA	Prep	3550C			9.92 g	10 mL	416596	03/04/24 17:06	JE	EET CAL 4
Total/NA	Analysis	8015B		1	10 mL	10 mL	417082	03/06/24 05:19	SP9M	EET CAL 4
	Instrument ID: GC48									
Total/NA	Prep	3050B			1.96 g	50 mL	416720	03/05/24 07:30	GYR8	EET CAL 4
Total/NA	Analysis	6010B		5			417128	03/05/24 18:35	P1R	EET CAL 4
	Instrument ID: ICP11									
Total/NA	Prep	7471A			0.52 g	50 mL	416635	03/04/24 18:21	EV3M	EET CAL 4
Total/NA	Analysis	7471A		1			417059	03/05/24 18:13	ECX6	EET CAL 4
	Instrument ID: HG7									

Client Sample ID: CEB9-2'

Date Collected: 02/28/24 09:10
Date Received: 02/29/24 18:50

Lab Sample ID: 570-174496-9
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			6.673 g	5 mL	416603	03/04/24 17:20	X7LQ	EET CAL 4
Total/NA	Analysis	8260B		1	5 g	5 mL	416639	03/05/24 01:59	B7TT	EET CAL 4
	Instrument ID: GCMSGGG									
Total/NA	Prep	5035			6.673 g	5 mL	416603	03/04/24 17:20	X7LQ	EET CAL 4
Total/NA	Analysis	8260B/CA_LUFTMS		1	5 g	5 mL	416641	03/05/24 01:59	B7TT	EET CAL 4
	Instrument ID: GCMSGGG_TPH									
Total/NA	Prep	3550C			9.93 g	10 mL	416596	03/04/24 17:06	JE	EET CAL 4
Total/NA	Analysis	8015B		1	10 mL	10 mL	417082	03/06/24 05:41	SP9M	EET CAL 4
	Instrument ID: GC48									
Total/NA	Prep	3050B			1.96 g	50 mL	416720	03/05/24 07:30	GYR8	EET CAL 4
Total/NA	Analysis	6010B		5			417128	03/05/24 18:37	P1R	EET CAL 4
	Instrument ID: ICP11									
Total/NA	Prep	7471A			0.50 g	50 mL	416635	03/04/24 18:21	EV3M	EET CAL 4
Total/NA	Analysis	7471A		1			417059	03/05/24 18:15	ECX6	EET CAL 4
	Instrument ID: HG7									

Client Sample ID: CEB9-5'

Date Collected: 02/28/24 09:12
Date Received: 02/29/24 18:50

Lab Sample ID: 570-174496-10
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			6.431 g	5 mL	416603	03/04/24 17:20	X7LQ	EET CAL 4
Total/NA	Analysis	8260B		1	5 g	5 mL	416639	03/05/24 02:21	B7TT	EET CAL 4
	Instrument ID: GCMSGGG									

Lab Chronicle

Client: California Environmental
Project/Site: #3666 / 777 S. Alameda Street

Job ID: 570-174496-1

Client Sample ID: CEB9-5'

Date Collected: 02/28/24 09:12
Date Received: 02/29/24 18:50

Lab Sample ID: 570-174496-10
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			6.431 g	5 mL	416603	03/04/24 17:20	X7LQ	EET CAL 4
Total/NA	Analysis	8260B/CA_LUFTMS		1	5 g	5 mL	416641	03/05/24 02:21	B7TT	EET CAL 4
	Instrument ID: GCMSGGG_TPH									
Total/NA	Prep	3550C			9.85 g	10 mL	416596	03/04/24 17:06	JE	EET CAL 4
Total/NA	Analysis	8015B		1	10 mL	10 mL	417082	03/06/24 06:03	SP9M	EET CAL 4
	Instrument ID: GC48									
Total/NA	Prep	3050B			1.96 g	50 mL	416720	03/05/24 07:30	GYR8	EET CAL 4
Total/NA	Analysis	6010B		5			417128	03/05/24 18:40	P1R	EET CAL 4
	Instrument ID: ICP11									
Total/NA	Prep	7471A			0.51 g	50 mL	416635	03/04/24 18:21	EV3M	EET CAL 4
Total/NA	Analysis	7471A		1			417059	03/05/24 18:17	ECX6	EET CAL 4
	Instrument ID: HG7									

Client Sample ID: CEB10-2'

Date Collected: 02/28/24 12:25
Date Received: 02/29/24 18:50

Lab Sample ID: 570-174496-13
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.934 g	5 mL	416603	03/04/24 17:20	X7LQ	EET CAL 4
Total/NA	Analysis	8260B		1	5 g	5 mL	416639	03/05/24 02:43	B7TT	EET CAL 4
	Instrument ID: GCMSGGG									
Total/NA	Prep	5035			5.934 g	5 mL	416603	03/04/24 17:20	X7LQ	EET CAL 4
Total/NA	Analysis	8260B/CA_LUFTMS		1	5 g	5 mL	416641	03/05/24 02:43	B7TT	EET CAL 4
	Instrument ID: GCMSGGG_TPH									
Total/NA	Prep	3550C			10.14 g	10 mL	416596	03/04/24 17:06	JE	EET CAL 4
Total/NA	Analysis	8015B		1	10 mL	10 mL	417082	03/06/24 06:26	SP9M	EET CAL 4
	Instrument ID: GC48									
Total/NA	Prep	3050B			1.97 g	50 mL	416720	03/05/24 07:30	GYR8	EET CAL 4
Total/NA	Analysis	6010B		5			417128	03/05/24 18:42	P1R	EET CAL 4
	Instrument ID: ICP11									
Total/NA	Prep	7471A			0.53 g	50 mL	416635	03/04/24 18:21	EV3M	EET CAL 4
Total/NA	Analysis	7471A		1			417059	03/05/24 18:23	ECX6	EET CAL 4
	Instrument ID: HG7									

Client Sample ID: CEB10-5'

Date Collected: 02/28/24 12:28
Date Received: 02/29/24 18:50

Lab Sample ID: 570-174496-14
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.968 g	5 mL	416603	03/04/24 17:20	X7LQ	EET CAL 4
Total/NA	Analysis	8260B		1	5 g	5 mL	416639	03/05/24 03:04	B7TT	EET CAL 4
	Instrument ID: GCMSGGG									

Lab Chronicle

Client: California Environmental
Project/Site: #3666 / 777 S. Alameda Street

Job ID: 570-174496-1

Client Sample ID: CEB10-5'

Date Collected: 02/28/24 12:28
Date Received: 02/29/24 18:50

Lab Sample ID: 570-174496-14

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.968 g	5 mL	416603	03/04/24 17:20	X7LQ	EET CAL 4
Total/NA	Analysis	8260B/CA_LUFTMS		1	5 g	5 mL	416641	03/05/24 03:04	B7TT	EET CAL 4
	Instrument ID: GCMSGGG_TPH									
Total/NA	Prep	3550C			9.99 g	10 mL	416596	03/04/24 17:06	JE	EET CAL 4
Total/NA	Analysis	8015B		1	10 mL	10 mL	417082	03/06/24 06:48	SP9M	EET CAL 4
	Instrument ID: GC48									
Total/NA	Prep	3050B			1.97 g	50 mL	416720	03/05/24 07:30	GYR8	EET CAL 4
Total/NA	Analysis	6010B		5			417128	03/05/24 18:44	P1R	EET CAL 4
	Instrument ID: ICP11									
Total/NA	Prep	7471A			0.52 g	50 mL	416635	03/04/24 18:21	EV3M	EET CAL 4
Total/NA	Analysis	7471A		1			417059	03/05/24 18:25	ECX6	EET CAL 4
	Instrument ID: HG7									

Laboratory References:

EET CAL 4 = Eurofins Calscience Tustin, 2841 Dow Avenue, Tustin, CA 92780, TEL (714)895-5494

Accreditation/Certification Summary

Client: California Environmental
Job ID: 570-174496-1
Project/Site: #3666 / 777 S. Alameda Street

Laboratory: Eurofins Calscience

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
California	State	3082	07-31-24

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
8260B	5035	Solid	1,1,2-Trichloro-1,2,2-trifluoroethane
8260B	5035	Solid	1,1-Dichloropropene
8260B	5035	Solid	1,2,3-Trichlorobenzene
8260B	5035	Solid	1,2,4-Trimethylbenzene
8260B	5035	Solid	1,3,5-Trimethylbenzene
8260B	5035	Solid	1,3-Dichloropropane
8260B	5035	Solid	2,2-Dichloropropane
8260B	5035	Solid	2-Butanone
8260B	5035	Solid	2-Chlorotoluene
8260B	5035	Solid	2-Hexanone
8260B	5035	Solid	Acetone
8260B	5035	Solid	Ethanol
8260B	5035	Solid	Isopropylbenzene
8260B	5035	Solid	p-Isopropyltoluene
8260B	5035	Solid	Vinyl acetate

Oregon	NELAP	4175	02-03-25

Method Summary

Client: California Environmental
Project/Site: #3666 / 777 S. Alameda Street

Job ID: 570-174496-1

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	EET CAL 4
8260B/CA_LUFTMS	Volatile Organic Compounds by GC/MS	SW846	EET CAL 4
8015B	Diesel Range Organics (DRO) (GC)	SW846	EET CAL 4
6010B	Metals (ICP)	SW846	EET CAL 4
7471A	Mercury (CVAA)	SW846	EET CAL 4
3050B	Preparation, Metals	SW846	EET CAL 4
3550C	Ultrasonic Extraction	SW846	EET CAL 4
5035	Closed System Purge and Trap	SW846	EET CAL 4
7471A	Preparation, Mercury	SW846	EET CAL 4

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

EET CAL 4 = Eurofins Calscience Tustin, 2841 Dow Avenue, Tustin, CA 92780, TEL (714)895-5494

Sample Summary

Client: California Environmental
Project/Site: #3666 / 777 S. Alameda Street

Job ID: 570-174496-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
570-174496-3	CEB7-10'	Solid	02/28/24 07:33	02/29/24 18:50
570-174496-5	CEB8-2'	Solid	02/28/24 08:20	02/29/24 18:50
570-174496-6	CEB8-5'	Solid	02/28/24 08:25	02/29/24 18:50
570-174496-9	CEB9-2'	Solid	02/28/24 09:10	02/29/24 18:50
570-174496-10	CEB9-5'	Solid	02/28/24 09:12	02/29/24 18:50
570-174496-13	CEB10-2'	Solid	02/28/24 12:25	02/29/24 18:50
570-174496-14	CEB10-5'	Solid	02/28/24 12:28	02/29/24 18:50

174496

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CHAIN OF CUSTODY RECORD

WO # / LAB USE ONLY

DATE: 2/28/24

PAGE: 1 OF 2

LABORATORY CLIENT: California Environmental

ADDRESS: 30423 Canwood Street, Suite 208

CITY: Agoura Hills STATE: CA ZIP: 91301

TEL: 818-991-1542 E-MAIL: eric@calenviro.com

CLIENT PROJECT NAME / NUMBER: #3666 / 777 S. Alameda Street

P.O. NO.: ~~570410090~~

PROJECT CONTACT: Eric Koons

SAMPLER(S): (PRINT) CB

TURNAROUND TIME (Rush surcharges may apply to any TAT not "STANDARD"):
☐ SAME DAY ☐ 24 HR ☐ 48 HR ☐ 72 HR ☐ 5 DAYS ☒ STANDARD

☐ COELT EDF GLOBAL ID: LOG CODE:

SPECIAL INSTRUCTIONS:

REQUESTED ANALYSES

Please check box or fill in blank as needed.

LAB USE ONLY	SAMPLE ID	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	Unpreserved	Preserved	Field Filtered	VOCs + GRO (8260/5035)	DRO + MRO (8015)	Title 22 Metals (6010 / 7471A)
1	CEB7-2'	2/28/24	7:25	Soil	1		Hold				
2	CEB7-5'		7:28		1		Hold				
3	CEB7-10'		7:33		4				X	X	X
4	CEB7-15'		7:36		1		Hold				
5	CEB8-2'		8:20		4				X	X	X
6	CEB8-5'		8:25		4				X	X	X
7	CEB8-10'		8:27		4		Hold				
8	CEB8-15'		8:29		1		Hold				
9	CEB9-2'		9:10		4				X	X	X
10	CEB9-5'	↓	9:12	↓	4				X	X	X

570-174496 Chain of Custody

Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date: 2/29/24	Time: 1145
Relinquished by: (Signature) EC	Received by: (Signature/Affiliation)	Date: 2/29/24	Time: 1850
Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date:	Time:

3/7/2024

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For courier service / sample drop off information, contact us26_sales@eurofinsus.com or call us.

CHAIN OF CUSTODY RECORD

WO # / LAB USE ONLY

DATE: 2/28/24

PAGE: 2 OF 2

LABORATORY CLIENT: California Environmental

ADDRESS: 30423 Canwood Street, Suite 208

CITY: Agoura Hills STATE: CA ZIP: 91301

TEL: 818-991-1542 E-MAIL: eric@calenviro.com

CLIENT PROJECT NAME / NUMBER: #3666 / 777 S. Alameda Street

P.O. NO.: ~~57010090~~

PROJECT CONTACT: Eric Koons

SAMPLER(S): (PRINT) CB

TURNAROUND TIME (Rush surcharges may apply to any TAT not "STANDARD"):

☐ SAME DAY ☐ 24 HR ☐ 48 HR ☐ 72 HR ☐ 5 DAYS ☒ STANDARD

☐ COELT EDF GLOBAL ID: LOG CODE:

SPECIAL INSTRUCTIONS:

REQUESTED ANALYSES

Please check box or fill in blank as needed.

LAB USE ONLY	SAMPLE ID	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	Unpreserved	Preserved	Field Filtered	VOCs + GRO (8260/5035)	DRO + MRO (8015)	Title 22 Metals (6010 / 7471A)
11	CEB9-10'	2/29/24	9:15	Soil	4		Hold				
12	CEB9-15'	"	9:21	"	1		Hold				
13	CEB10-2'	"	12:25	"	4				X	X	X
14	CEB10-5'	"	12:28	"	4				X	X	X
15	CEB10-10'	"	12:32	"	4		Hold				
16	CEB10-15'	"	12:39	"	1		Hold				

Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date:	Time:
[signature]	[signature] EC	2/29/24	1145
[signature] EC	[signature]	2/29/24	1850

3/7/2024

Login Sample Receipt Checklist

Client: California Environmental

Job Number: 570-174496-1

Login Number: 174496
List Number: 1
Creator: Gonzalez, Juan

List Source: Eurofins Calscience

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

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ANALYTICAL REPORT

PREPARED FOR

Attn: Eric Koons
California Environmental
30423 Canwood Street
Suite 208
Agoura Hills, California 91301

Generated 3/22/2024 9:06:53 AM

JOB DESCRIPTION

#3666 / 777 S. Alameda Street

JOB NUMBER

570-174146-3

Eurofins Calscience
2841 Dow Avenue, Suite 100
Tustin CA 92780

See page two for job notes and contact information.

my EOL

Eurofins Calscience

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Calscience Project Manager.

Authorization



Generated
3/22/2024 9:06:53 AM

Authorized for release by
Erick Ovalle, Project Manager
Erick.Ovalle@et.eurofinsus.com
(657)210-6331

Table of Contents

Cover Page 1
Table of Contents 3
Definitions/Glossary 4
Case Narrative 5
Detection Summary 6
Client Sample Results 7
QC Sample Results 8
QC Association Summary 9
Lab Chronicle 10
Certification Summary 11
Method Summary 12
Sample Summary 13
Chain of Custody 14
Receipt Checklists 20

Definitions/Glossary

Client: California Environmental
Project/Site: #3666 / 777 S. Alameda Street

Job ID: 570-174146-3

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Job Narrative
570-174146-3

Receipt
The samples were received on 2/27/2024 6:20 PM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 3.1° C.

Receipt Exceptions
The number of containers for the following samples did not match the information listed on the Chain-of-Custody (COC): CEB6-10' (570-174146-23) and CEB6-15' (570-174146-24). Received 1 containers, while the COC lists 4.

Metals
Method 1311: Insufficient sample was provided to perform the leaching procedure with the required 50g for the following sample: CEB1-2' (570-174146-1). The volume of leaching fluid was adjusted proportionally to maintain a 10:1 ratio of leaching fluid to weight of sample. Reporting limits (RLs) are not affected.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Detection Summary

Client: California Environmental
Project/Site: #3666 / 777 S. Alameda Street

Job ID: 570-174146-3

Client Sample ID: CEB1-2'

Lab Sample ID: 570-174146-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	1.42		0.500	0.0527	mg/L	1		6010B	TCLP

This Detection Summary does not include radiochemical test results.

Client: California Environmental
Project/Site: #3666 / 777 S. Alameda Street

Job ID: 570-174146-3

Method: SW846 6010B - Metals (ICP) - TCLP

Client Sample ID: CEB1-2'
Date Collected: 02/27/24 07:20
Date Received: 02/27/24 18:20

Lab Sample ID: 570-174146-1
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	1.42		0.500	0.0527	mg/L		03/20/24 10:24	03/20/24 23:57	1

Method: 6010B - Metals (ICP)

Lab Sample ID: LB 570-421741/1-B
Matrix: Solid
Analysis Batch: 422447

Client Sample ID: Method Blank
Prep Type: TCLP
Prep Batch: 422107

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		0.500	0.0527	mg/L		03/20/24 10:24	03/20/24 23:47	1

Lab Sample ID: LCS 570-421741/2-B
Matrix: Solid
Analysis Batch: 422447

Client Sample ID: Lab Control Sample
Prep Type: TCLP
Prep Batch: 422107

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Lead	2.00	1.903		mg/L		95	80 - 120

Lab Sample ID: LCSD 570-421741/3-B
Matrix: Solid
Analysis Batch: 422447

Client Sample ID: Lab Control Sample Dup
Prep Type: TCLP
Prep Batch: 422107

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Lead	2.00	1.888		mg/L		94	80 - 120	1	20

Lab Sample ID: 570-174146-1 MS
Matrix: Solid
Analysis Batch: 422447

Client Sample ID: CEB1-2'
Prep Type: TCLP
Prep Batch: 422107

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Lead	1.42		2.00	3.658		mg/L		112	84 - 120

Lab Sample ID: 570-174146-1 MSD
Matrix: Solid
Analysis Batch: 422447

Client Sample ID: CEB1-2'
Prep Type: TCLP
Prep Batch: 422107

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Lead	1.42		2.00	3.530		mg/L		106	84 - 120	4	7

QC Association Summary

Client: California Environmental
Project/Site: #3666 / 777 S. Alameda Street

Job ID: 570-174146-3

Metals

Leach Batch: 421741

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-174146-1	CEB1-2'	TCLP	Solid	1311	
LB 570-421741/1-B	Method Blank	TCLP	Solid	1311	
LCS 570-421741/2-B	Lab Control Sample	TCLP	Solid	1311	
LCSD 570-421741/3-B	Lab Control Sample Dup	TCLP	Solid	1311	
570-174146-1 MS	CEB1-2'	TCLP	Solid	1311	
570-174146-1 MSD	CEB1-2'	TCLP	Solid	1311	

Prep Batch: 422107

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-174146-1	CEB1-2'	TCLP	Solid	3010A	421741
LB 570-421741/1-B	Method Blank	TCLP	Solid	3010A	421741
LCS 570-421741/2-B	Lab Control Sample	TCLP	Solid	3010A	421741
LCSD 570-421741/3-B	Lab Control Sample Dup	TCLP	Solid	3010A	421741
570-174146-1 MS	CEB1-2'	TCLP	Solid	3010A	421741
570-174146-1 MSD	CEB1-2'	TCLP	Solid	3010A	421741

Analysis Batch: 422447

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-174146-1	CEB1-2'	TCLP	Solid	6010B	422107
LB 570-421741/1-B	Method Blank	TCLP	Solid	6010B	422107
LCS 570-421741/2-B	Lab Control Sample	TCLP	Solid	6010B	422107
LCSD 570-421741/3-B	Lab Control Sample Dup	TCLP	Solid	6010B	422107
570-174146-1 MS	CEB1-2'	TCLP	Solid	6010B	422107
570-174146-1 MSD	CEB1-2'	TCLP	Solid	6010B	422107

Lab Chronicle

Client: California Environmental
Project/Site: #3666 / 777 S. Alameda Street

Job ID: 570-174146-3

Client Sample ID: CEB1-2'

Date Collected: 02/27/24 07:20
Date Received: 02/27/24 18:20

Lab Sample ID: 570-174146-1

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Leach	1311			50.27 g	1000 mL	421741	03/19/24 13:15	BG9Y	EET CAL 4
TCLP	Prep	3010A			5 mL	50 mL	422107	03/20/24 10:24	BG9Y	EET CAL 4
TCLP	Analysis	6010B		1			422447	03/20/24 23:57	UFLE	EET CAL 4
	Instrument ID: ICP10									

[1] This procedure uses a method stipulated length of time for the process. Both start and end times are displayed.

Laboratory References:

EET CAL 4 = Eurofins Calscience Tustin, 2841 Dow Avenue, Tustin, CA 92780, TEL (714)895-5494

Accreditation/Certification Summary

Client: California Environmental
Job ID: 570-174146-3
Project/Site: #3666 / 777 S. Alameda Street

Laboratory: Eurofins Calscience

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
California	State	3082	07-31-24
Oregon	NELAP	4175	02-03-25

Method Summary

Client: California Environmental
Project/Site: #3666 / 777 S. Alameda Street

Job ID: 570-174146-3

Method	Method Description	Protocol	Laboratory
6010B	Metals (ICP)	SW846	EET CAL 4
1311	TCLP Extraction	SW846	EET CAL 4
3010A	Preparation, Total Metals	SW846	EET CAL 4

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

EET CAL 4 = Eurofins Calscience Tustin, 2841 Dow Avenue, Tustin, CA 92780, TEL (714)895-5494

Sample Summary

Client: California Environmental
Project/Site: #3666 / 777 S. Alameda Street

Job ID: 570-174146-3

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
570-174146-1	CEB1-2'	Solid	02/27/24 07:20	02/27/24 18:20

Erick Ovalle

From: eric@calenviro.com
Sent: Thursday, February 29, 2024 3:45 PM
To: Erick Ovalle; 'Data Labs'
Subject: RE: 570-174146-1 #3666 / 777 S. Alameda Street Sample Confirmation files from Eurofins Southwest

CAUTION: EXTERNAL EMAIL - Sent from an email domain that is not formally trusted by Eurofins.

Do not click on links or open attachments unless you recognise the sender and are certain that the content is safe.

Hi Erick,

Please add the ' to the end of all of foot depth on pages 1 & 3.

Thank you for updating the year to 2024.

Noted regarding samples 23 & 24. Please just hold that jar for pending future analysis.

Best,

ERIC KOONS, SENIOR ENVIRONMENTAL SCIENTIST

CalEnviro
geologists & engineers

30423 Canwood Street - #208
Agoura Hills, CA 91301
C - 805-300-0942, O – 818-991-15542
Engineering Contractor A732377
Hazardous Waste Substance Removal
www.calenviro.com

From: Erick Ovalle <TALS@reports.et.eurofinsus.com>
Sent: Thursday, February 29, 2024 3:15 PM
To: Data Labs <labs@calenviro.com>
Subject: 570-174146-1 #3666 / 777 S. Alameda Street Sample Confirmation files from Eurofins Southwest

Hello,

Attached, please find the Sample Confirmation files for job 570-174146-1; #3666 / 777 S. Alameda Street

COC page 2, samples 11 through 20: The sample IDs have an ' following the foot depth while pages 1 and 3 did not. Please confirm if we need to add the ' to pages 1 and 3 or to remove it from page 2?

COC page 3: The collection year listed on the COC references 2004. We update the collection year to match 2024.

Samples 23 and 24: We received one soil jar for each sample instead of 4 along with the 5035 kit.

Please feel free to contact me if you have any questions.

Thank you.

Erick Ovalle
Project Manager

Eurofins Calscience
Phone: 657-210-6331
Mobile: 657-250-2681

E-mail: Erick.Ovalle@et.eurofinsus.com
www.eurofinsus.com/env



Reference: [570-603773]
Attachments: 2

> > Bank information has changed, please refer to remittance information on invoice. < <

Erick Ovalle

From: maya@calenviro.com
Sent: Monday, March 18, 2024 11:08 AM
To: Erick Ovalle
Cc: 'Charles Buckley'
Subject: RE: STLC Test Result for Alameda Street

You don't often get email from maya@calenviro.com. Learn why this is important

CAUTION: EXTERNAL EMAIL - Sent from an email domain that is not formally trusted by Eurofins.

Do not click on links or open attachments unless you recognise the sender and are certain that the content is safe.

Erick—
Please rush this TCLP test.

Thank you.

From: maya@calenviro.com <maya@calenviro.com>
Sent: Monday, March 18, 2024 11:06 AM
To: Erick.Ovalle@et.eurofinsus.com
Cc: 'Charles Buckley' <cbuckley@calenviro.com>
Subject: STLC Test Result for Alameda Street

Dear Erick,
I hope this email finds you well. For job #3666 / 777 S. Alameda Street/ 570-174146-2, the STLC test for sample CEB1-2' exceeds 5 mg/L. Please run a TCLP for sample CEB1-2'.

Sincerely,
Maya C. Schwartz

California Environmental
818.991.1542

eurofins | Calscience

7440 Lincoln Way, Garden Grove, CA 92841-1427 • (714) 895-5494
For courier service / sample drop off information, contact us26_sales@eurofinsus.com or call us.

570-174146 Chain of Custody

Loc: 570

CHAIN OF CUSTOD 174146

DATE: 2/27/24

PAGE: 1 OF 3

LABORATORY CLIENT: California Environmental	CLIENT PROJECT NAME / NUMBER: #3666 / 777 S. Alameda Street
ADDRESS: 30423 Canwood Street, Suite 208	P.O. NO.: ~~57019090~~
CITY: Agoura Hills STATE: CA ZIP: 91301	PROJECT CONTACT: Eric Koons
TEL: 818-991-1542 E-MAIL: eric@calenviro.com	SAMPLER(S): (PRINT) CB

TURNAROUND TIME (Rush surcharges may apply to any TAT not "STANDARD"):
☐ SAME DAY ☐ 24 HR ☐ 48 HR ☐ 72 HR ☐ 5 DAYS ☒ STANDARD

☐ COELT EDF | GLOBAL ID: | LOG CODE:

SPECIAL INSTRUCTIONS:

REQUESTED ANALYSES

Please check box or fill in blank as needed.

LAB USE ONLY	SAMPLE ID	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	Unpreserved	Preserved	Field Filtered	VOCs + GRO (8260/5035)	DRO + MRO (8015)	Title 22 Metals (6010 / 7471A)
1	CEB1-2	2/27/24	7:20		4				X	X	X
2	CEB1-5		7:30		4				X	X	X
3	CEB1-10		7:40		1	Hold					
4	CEB1-15		7:45		4				X	X	X
5	CEB2-2		8:30		4				X	X	X
6	CEB2-5		8:35		4				X	X	X
7	CEB2-10		8:40		4				X	X	X
8	CEB2-15		8:43		4	Hold					
9	CEB3-2		9:31		4				X	X	X
10	CEB3-5		9:35		4				X	X	X

Relinquished by: (Signature) Bunkly	Received by: (Signature/Affiliation) EC	Date: 2/27/24	Time: 1320
Relinquished by: (Signature) EC	Received by: (Signature/Affiliation) EC	Date: 2/27/24	Time: 1820
Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date:	Time:

2.9/3.1 5C4

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For courier service / sample drop off information, contact us26_sales@eurofinsus.com or call us.

CHAIN OF CUSTODY RECORD

WO # / LAB USE ONLY

DATE: 2/27/24

PAGE: 2 OF 3

LABORATORY CLIENT: California Environmental

ADDRESS: 30423 Canwood Street, Suite 208

CITY: Agoura Hills STATE: CA ZIP: 91301

TEL: 818-991-1542 E-MAIL: eric@calenviro.com

CLIENT PROJECT NAME / NUMBER: #3666 / 777 S. Alameda Street

P.O. NO.: ~~57010000~~

PROJECT CONTACT: Eric Koons

SAMPLER(S): (PRINT) CB

TURNAROUND TIME (Rush surcharges may apply to any TAT not "STANDARD"):
☐ SAME DAY ☐ 24 HR ☐ 48 HR ☐ 72 HR ☐ 5 DAYS ☒ STANDARD

☐ COELT EDF GLOBAL ID: LOG CODE:

SPECIAL INSTRUCTIONS:

REQUESTED ANALYSES

Please check box or fill in blank as needed.

LAB USE ONLY	SAMPLE ID	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	Unpreserved	Preserved	Field Filtered	VOCs + GRO (8260/5035)	DRO + MRO (8015)	Title 22 Metals (6010 / 7471A)
11	CEB3-10'	2/27/24	9:41	Soil	4				X	X	X
12	CEB3-15'		9:45		4				X	X	X
13	CEB4-2'		10:15		4				X	X	X
14	CEB4-5'		10:17		4	Hold					
15	CEB4-10'		10:20		4				X	X	X
16	CEB4-15'		10:24		4				X	X	X
17	CEB5-2'		12:01		4				X	X	X
18	CEB5-5'		12:04		4				X	X	X
19	CEB5-10'		12:10		4				X	X	X
20	CEB5-15'	↓	12:15	↓	4				X	X	X

Relinquished by: (Signature)	Received by: (Signature/Affiliation) EC	Date: 2/27/24	Time: 1320
Relinquished by: (Signature) EC	Received by: (Signature/Affiliation) EC	Date: 2/27/24	Time: 1820
Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date:	Time:

3/22/2024

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7440 Lincoln Way, Garden Grove, CA 92841-1427 • (714) 895-5494
For courier service / sample drop off information, contact us26_sales@eurofinsus.com or call us.

CHAIN OF CUSTODY RECORD

WO # / LAB USE ONLY:

DATE: 2/27/24

PAGE: 3 OF 3

LABORATORY CLIENT: California Environmental

ADDRESS: 30423 Canwood Street, Suite 208

CITY: Agoura Hills STATE: CA ZIP: 91301

TEL: 818-991-1542 E-MAIL: eric@calenviro.com

CLIENT PROJECT NAME / NUMBER: #3666 / 777 S. Alameda Street

P.O. NO.: ~~57010000~~

PROJECT CONTACT: Eric Koons

SAMPLER(S): (PRINT) CS

TURNAROUND TIME (Rush surcharges may apply to any TAT not "STANDARD"):
☐ SAME DAY ☐ 24 HR ☐ 48 HR ☐ 72 HR ☐ 5 DAYS ☒ STANDARD

☐ COELT EDF GLOBAL ID: LOG CODE:

SPECIAL INSTRUCTIONS:

REQUESTED ANALYSES

Please check box or fill in blank as needed.

LAB USE ONLY	SAMPLE ID	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	Unpreserved	Preserved	Field Filtered	VOCs + GRO (8260/5035)	DRO + MRO (8015)	Title 22 Metals (6010 / 7471A)
21	CEB6-2	2/27/24	1:01	Soil	4				X	X	X
22	CEB6-5	↓	1:04	↓	↓				X	X	X
23	CEB6-10		1:11			Hold					
	CEB6-15		1:15			Hold					

Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date:	Time:
	EC	2/27/24	1320
Relinquished by: (Signature) EC	Received by: (Signature/Affiliation) EC	Date: 2/27/24	Time: 1820
Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date:	Time:

Login Sample Receipt Checklist

Client: California Environmental

Job Number: 570-174146-3

Login Number: 174146
List Number: 1
Creator: Gonzalez, Juan

List Source: Eurofins Calscience

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	False	Refer to Job Narrative for details.
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Eric Koons
California Environmental
30423 Canwood Street
Suite 208
Agoura Hills, California 91301

Generated 3/15/2024 10:54:55 AM

JOB DESCRIPTION

#3666 / 777 S. Alameda Street

JOB NUMBER

570-174146-2

Eurofins Calscience
2841 Dow Avenue, Suite 100
Tustin CA 92780

See page two for job notes and contact information.

my EOL

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Calscience Project Manager.

Authorization



Generated
3/15/2024 10:54:55 AM

Authorized for release by
Erick Ovalle, Project Manager
Erick.Ovalle@et.eurofinsus.com
(657)210-6331

Table of Contents

Cover Page 1
Table of Contents 3
Definitions/Glossary 4
Case Narrative 5
Detection Summary 6
Client Sample Results 7
QC Sample Results 8
QC Association Summary 9
Lab Chronicle 10
Certification Summary 11
Method Summary 12
Sample Summary 13
Chain of Custody 14
Receipt Checklists 19

Definitions/Glossary

Client: California Environmental
Project/Site: #3666 / 777 S. Alameda Street

Job ID: 570-174146-2

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Job Narrative
570-174146-2

Receipt
The samples were received on 2/27/2024 6:20 PM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 3.1° C.

Receipt Exceptions
The number of containers for the following samples did not match the information listed on the Chain-of-Custody (COC): CEB6-10' (570-174146-23) and CEB6-15' (570-174146-24). Received 1 containers, while the COC lists 4.

Metals
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Detection Summary

Client: California Environmental
Project/Site: #3666 / 777 S. Alameda Street

Job ID: 570-174146-2

Client Sample ID: CEB1-2'

Lab Sample ID: 570-174146-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	32.4		1.00	0.105	mg/L	1		6010B	STLC Citrate

This Detection Summary does not include radiochemical test results.

Client: California Environmental
Project/Site: #3666 / 777 S. Alameda Street

Job ID: 570-174146-2

Method: SW846 6010B - Metals (ICP) - STLC Citrate

Client Sample ID: CEB1-2'
Date Collected: 02/27/24 07:20
Date Received: 02/27/24 18:20

Lab Sample ID: 570-174146-1
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	32.4		1.00	0.105	mg/L		03/14/24 15:09	03/14/24 19:17	1

Method: 6010B - Metals (ICP)

Lab Sample ID: LB4 570-419425/1-B
Matrix: Solid
Analysis Batch: 420325

Client Sample ID: Method Blank
Prep Type: STLC Citrate
Prep Batch: 420288

Analyte	LB4 Result	LB4 Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		1.00	0.105	mg/L		03/14/24 15:09	03/14/24 15:10	1

Lab Sample ID: LCS 570-419425/2-B
Matrix: Solid
Analysis Batch: 420325

Client Sample ID: Lab Control Sample
Prep Type: STLC Citrate
Prep Batch: 420288

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Lead	20.0	19.36		mg/L		97	80 - 120

Lab Sample ID: LCSD 570-419425/3-B
Matrix: Solid
Analysis Batch: 420325

Client Sample ID: Lab Control Sample Dup
Prep Type: STLC Citrate
Prep Batch: 420288

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Lead	20.0	19.84		mg/L		99	80 - 120	2	20

QC Association Summary

Client: California Environmental
Project/Site: #3666 / 777 S. Alameda Street

Job ID: 570-174146-2

Metals

Leach Batch: 419425

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-174146-1	CEB1-2'	STLC Citrate	Solid	CA WET Citrate	
LB4 570-419425/1-B	Method Blank	STLC Citrate	Solid	CA WET Citrate	
LCS 570-419425/2-B	Lab Control Sample	STLC Citrate	Solid	CA WET Citrate	
LCSD 570-419425/3-B	Lab Control Sample Dup	STLC Citrate	Solid	CA WET Citrate	

Prep Batch: 420288

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-174146-1	CEB1-2'	STLC Citrate	Solid	Dilution	419425
LB4 570-419425/1-B	Method Blank	STLC Citrate	Solid	Dilution	419425
LCS 570-419425/2-B	Lab Control Sample	STLC Citrate	Solid	Dilution	419425
LCSD 570-419425/3-B	Lab Control Sample Dup	STLC Citrate	Solid	Dilution	419425

Analysis Batch: 420325

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LB4 570-419425/1-B	Method Blank	STLC Citrate	Solid	6010B	420288
LCS 570-419425/2-B	Lab Control Sample	STLC Citrate	Solid	6010B	420288
LCSD 570-419425/3-B	Lab Control Sample Dup	STLC Citrate	Solid	6010B	420288

Analysis Batch: 420421

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-174146-1	CEB1-2'	STLC Citrate	Solid	6010B	420288

Lab Chronicle

Client: California Environmental
Project/Site: #3666 / 777 S. Alameda Street

Job ID: 570-174146-2

Client Sample ID: CEB1-2'
Date Collected: 02/27/24 07:20
Date Received: 02/27/24 18:20

Lab Sample ID: 570-174146-1
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
STLC Citrate	Leach	CA WET Citrate			50.49 g	500 mL	419425	03/12/24 13:00	BG9Y	EET CAL 4
STLC Citrate	Prep	Dilution			0.5 mL	10 mL	420288	03/14/24 15:09	VZ0K	EET CAL 4
STLC Citrate	Analysis	6010B		1			420421	03/14/24 19:17	P1R	EET CAL 4
	Instrument ID: ICP11									

[1] This procedure uses a method stipulated length of time for the process. Both start and end times are displayed.

Laboratory References:

EET CAL 4 = Eurofins Calscience Tustin, 2841 Dow Avenue, Tustin, CA 92780, TEL (714)895-5494

Accreditation/Certification Summary

Client: California Environmental
Job ID: 570-174146-2
Project/Site: #3666 / 777 S. Alameda Street

Laboratory: Eurofins Calscience

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
California	State	3082	07-31-24
Oregon	NELAP	4175	02-03-25

Method Summary

Client: California Environmental
Project/Site: #3666 / 777 S. Alameda Street

Job ID: 570-174146-2

Method	Method Description	Protocol	Laboratory
6010B	Metals (ICP)	SW846	EET CAL 4
CA WET Citrate	California - Waste Extraction Test with Citrate Leach	CA-WET	EET CAL 4
Dilution	Preparation / Dilution Process	None	EET CAL 4

Protocol References:

CA-WET = California Waste Extraction Test, from Title 22

None = None

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

EET CAL 4 = Eurofins Calscience Tustin, 2841 Dow Avenue, Tustin, CA 92780, TEL (714)895-5494

Sample Summary

Client: California Environmental
Project/Site: #3666 / 777 S. Alameda Street

Job ID: 570-174146-2

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
570-174146-1	CEB1-2'	Solid	02/27/24 07:20	02/27/24 18:20

Erick Ovalle

From: eric@calenviro.com
Sent: Tuesday, March 5, 2024 12:47 PM
To: Erick Ovalle; 'Data Labs'
Subject: RE: Eurofins Calscience report and EDD files from 570-174146-1 #3666 / 777 S. Alameda Street

CAUTION: EXTERNAL EMAIL - Sent from an email domain that is not formally trusted by Eurofins.

Do not click on links or open attachments unless you recognise the sender and are certain that the content is safe.

Hi Erick,

Thank you. Please run STLC lead on sample CEB1-2'.

Thanks,

ERIC KOONS, SENIOR ENVIRONMENTAL SCIENTIST

CalEnviro
geologists & engineers

30423 Canwood Street - #208
Agoura Hills, CA 91301
C - 805-300-0942, O – 818-991-15542
Engineering Contractor A732377
Hazardous Waste Substance Removal
www.calenviro.com

From: Erick Ovalle <TALS@reports.et.eurofinsus.com>
Sent: Tuesday, March 5, 2024 12:16 PM
To: Data Labs <labs@calenviro.com>
Subject: Eurofins Calscience report and EDD files from 570-174146-1 #3666 / 777 S. Alameda Street

Hello,

Attached please find the report and EDD files for job 570-174146-1; #3666 / 777 S. Alameda Street

Samples 5 and 17 contain Lead results that may require STLC/TCLP. If additional analyses are required then please let me know.

The samples were received on 2/27/2024 06:20 PM.

Please feel free to contact me if you have any questions.

Thank you.

Erick Ovalle
Project Manager

Eurofins Calscience
Phone: 657-210-6331
Mobile: 657-250-2681

E-mail: Erick.Ovalle@et.eurofinsus.com
www.eurofinsus.com/env



Reference: [570-605887]
Attachments: 2

> > Bank information has changed, please refer to remittance information on invoice. < <

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7440 Lincoln Way, Garden Grove, CA 92841-1427 • (714) 895-5494
For courier service / sample drop off information, contact us26_sales@eurofinsus.com or call us.

570-174146 Chain of Custody

Loc: 570

CHAIN OF CUSTOD 174146

DATE: 2/27/24

PAGE: 1 OF 3

LABORATORY CLIENT: California Environmental	CLIENT PROJECT NAME / NUMBER: #3666 / 777 S. Alameda Street
ADDRESS: 30423 Canwood Street, Suite 208	P.O. NO.: ~~5P019090~~
CITY: Agoura Hills STATE: CA ZIP: 91301	PROJECT CONTACT: Eric Koons
TEL: 818-991-1542 E-MAIL: eric@calenviro.com	SAMPLER(S): (PRINT) CB

TURNAROUND TIME (Rush surcharges may apply to any TAT not "STANDARD"):
☐ SAME DAY ☐ 24 HR ☐ 48 HR ☐ 72 HR ☐ 5 DAYS ☒ STANDARD

☐ COELT EDF | GLOBAL ID: | LOG CODE:

SPECIAL INSTRUCTIONS:

REQUESTED ANALYSES

Please check box or fill in blank as needed.

LAB USE ONLY	SAMPLE ID	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	Unpreserved	Preserved	Field Filtered	VOCs + GRO (8260/5035)	DRO + MRO (8015)	Title 22 Metals (6010 / 7471A)
1	CEB1-2	2/27/24	7:20		4				X	X	X
2	CEB1-5		7:30		4				X	X	X
3	CEB1-10		7:40		1	Hold					
4	CEB1-15		7:45		4				X	X	X
5	CEB2-2		8:30		4				X	X	X
6	CEB2-5		8:35		4				X	X	X
7	CEB2-10		8:40		4				X	X	X
8	CEB2-15		8:43		4	Hold					
9	CEB3-2		9:31		4				X	X	X
10	CEB3-5		9:35		4				X	X	X

Relinquished by: (Signature) Bunkly	Received by: (Signature/Affiliation) EC	Date: 2/27/24	Time: 1320
Relinquished by: (Signature) EC	Received by: (Signature/Affiliation) EC	Date: 2/27/24	Time: 1820
Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date:	Time:

2.9/3.1 SCM

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7440 Lincoln Way, Garden Grove, CA 92841-1427 • (714) 895-5494
For courier service / sample drop off information, contact us26_sales@eurofinsus.com or call us.

CHAIN OF CUSTODY RECORD

WO # / LAB USE ONLY

DATE: 2/27/24

PAGE: 2 OF 3

LABORATORY CLIENT: California Environmental

ADDRESS: 30423 Canwood Street, Suite 208

CITY: Agoura Hills STATE: CA ZIP: 91301

TEL: 818-991-1542 E-MAIL: eric@calenviro.com

CLIENT PROJECT NAME / NUMBER: #3666 / 777 S. Alameda Street

P.O. NO.: ~~57010000~~

PROJECT CONTACT: Eric Koons

SAMPLER(S): (PRINT) CB

TURNAROUND TIME (Rush surcharges may apply to any TAT not "STANDARD"):
☐ SAME DAY ☐ 24 HR ☐ 48 HR ☐ 72 HR ☐ 5 DAYS ☒ STANDARD

☐ COELT EDF GLOBAL ID: LOG CODE:

SPECIAL INSTRUCTIONS:

REQUESTED ANALYSES

Please check box or fill in blank as needed.

LAB USE ONLY	SAMPLE ID	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	Unpreserved	Preserved	Field Filtered	VOCs + GRO (8260/5035)	DRO + MRO (8015)	Title 22 Metals (6010 / 7471A)
11	CEB3-10'	2/27/24	9:41	SOIL	4				X	X	X
12	CEB3-15'		9:45		4				X	X	X
13	CEB4-2'		10:15		4				X	X	X
14	CEB4-5'		10:17		4	Hold					
15	CEB4-10'		10:20		4				X	X	X
16	CEB4-15'		10:24		4				X	X	X
17	CEB5-2'		12:01		4				X	X	X
18	CEB5-5'		12:04		4				X	X	X
19	CEB5-10'		12:10		4				X	X	X
20	CEB5-15'	↓	12:15	↓	4				X	X	X

Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date:	Time:
[signature]	[signature] EC	2/27/24	1320
[signature] EC	[signature] EC	2/27/24	1820

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CHAIN OF CUSTODY RECORD

WO # / LAB USE ONLY:

DATE: 2/27/24

PAGE: 3 OF 3

LABORATORY CLIENT: California Environmental

ADDRESS: 30423 Canwood Street, Suite 208

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P.O. NO.: ~~57010000~~

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TURNAROUND TIME (Rush surcharges may apply to any TAT not "STANDARD"):
☐ SAME DAY ☐ 24 HR ☐ 48 HR ☐ 72 HR ☐ 5 DAYS ☒ STANDARD

☐ COELT EDF GLOBAL ID: LOG CODE:

SPECIAL INSTRUCTIONS:

REQUESTED ANALYSES

Please check box or fill in blank as needed.

LAB USE ONLY	SAMPLE ID	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	Unpreserved	Preserved	Field Filtered	VOCs + GRO (8260/5035)	DRO + MRO (8015)	Title 22 Metals (6010 / 7471A)
21	CEB6-2	2/27/24	1:01	Soil	4				X	X	X
22	CEB6-5	↓	1:04	↓	↓				X	X	X
23	CEB6-10		1:11			Hold					
	CEB6-15		1:15			Hold					

Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date:	Time:
[signature]	[signature] EC	2/27/24	1320
[signature] EC	[signature] TC	2/27/24	1820
Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date:	Time:

Login Sample Receipt Checklist

Client: California Environmental

Job Number: 570-174146-2

Login Number: 174146
List Number: 1
Creator: Gonzalez, Juan

List Source: Eurofins Calscience

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	False	Refer to Job Narrative for details.
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

AMERICAN ANALYTICS

9765 Eton Avenue
Chatsworth
California 91311
Tel: (818) 998-5547
Fax: (818) 998-7258

March 19, 2024

Charles Buckley

Cal Environmental

30423 Canwood Street, Suite 208

Agoura Hills, CA 91301

Re : SGI- Los Angeles 777 S. Alameda St. / [none]

MB2431108 / 4B29003

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received on 02/29/24 13:06 and analyzed in accordance with the attached chain-of-custody.

Unless otherwise noted, all analytical testing was accomplished in accordance with the guidelines established in our Quality Assurance Program Manual, applicable standard operating procedures, and other related documentation. The results in this analytical report are limited to the samples tested and any reproduction thereof must be made in its entirety.

If you have any questions regarding this report or require additional information please call me at American Analytics.

Sincerely,

Allen Aminian

QA/QC Manager

LABORATORY ANALYSIS RESULTS

Client: Cal Environmental
Project No: [none]
Project Name: SGI- Los Angeles 777 S. Alameda St.

AA Project No: MB2431108
Date Received: 02/29/24
Date Reported: 03/19/24

Sample ID	Laboratory ID	Matrix	TAT	Date Sampled	Date Received
TO-15 (ug/m3) SG					
CESG 1-25	4B29003-01	Vapor	10	02/29/24 08:04	02/29/24 13:06
CESG 1-15	4B29003-02	Vapor	10	02/29/24 08:08	02/29/24 13:06
CESG 1-15 DUP	4B29003-03	Vapor	10	02/29/24 08:08	02/29/24 13:06
CESG 3-15	4B29003-04	Vapor	10	02/29/24 08:39	02/29/24 13:06
CESG 3-25	4B29003-05	Vapor	10	02/29/24 08:38	02/29/24 13:06
CESG 2-25	4B29003-06	Vapor	10	02/29/24 09:15	02/29/24 13:06
CESG 4-25	4B29003-07	Vapor	10	02/29/24 09:49	02/29/24 13:06
CESG 5-15	4B29003-08	Vapor	10	02/29/24 10:23	02/29/24 13:06
CESG 5-25	4B29003-09	Vapor	10	02/29/24 10:27	02/29/24 13:06
CESG 6-25	4B29003-10	Vapor	10	02/29/24 10:53	02/29/24 13:06
AMBIENT AIR	4B29003-11	Vapor	10	02/29/24 10:56	02/29/24 13:06
CESG 7-15	4B29003-12	Vapor	10	02/29/24 11:25	02/29/24 13:06
CESG 7-25	4B29003-13	Vapor	10	02/29/24 11:25	02/29/24 13:06
CESG 8-25	4B29003-14	Vapor	10	02/29/24 11:27	02/29/24 13:06
CESG 10-25	4B29003-15	Vapor	10	02/29/24 11:47	02/29/24 13:06
CESG 9-15	4B29003-16	Vapor	10	02/29/24 11:50	02/29/24 13:06
CESG 9-25	4B29003-17	Vapor	10	02/29/24 11:51	02/29/24 13:06

Allen Aminian
QA/QC Manager

LABORATORY ANALYSIS RESULTS

Client: Cal Environmental
Project No: [none]
Project Name: SGI- Los Angeles 777 S. Alameda St.

AA Project No: MB2431108
Date Received: 02/29/24
Date Reported: 03/19/24

ANALYTICAL DATA SUMMARY

Analyte	Sample Name	Result	MRL	Units	Dilution	Prepared	Analyzed	Method
VOCs by GCMS EPA TO-15 (ug/m3)								
Dichlorodifluoromethane (R12)	CESG 1-25	**21**	20	ug/m³	8	03/13/24	03/13/24	TO-15
Ethylbenzene	CESG 1-25	**150**	20	ug/m³	8	03/13/24	03/13/24	TO-15
Tetrachloroethylene (PCE)	CESG 1-25	**1800 **b**	100	ug/m³	30	03/13/24	03/13/24	TO-15
Toluene	CESG 1-25	**99**	20	ug/m³	8	03/13/24	03/13/24	TO-15
Trichlorofluoromethane (R11)	CESG 1-25	**100**	24	ug/m³	8	03/13/24	03/13/24	TO-15
o-Xylene	CESG 1-25	**200**	20	ug/m³	8	03/13/24	03/13/24	TO-15
m,p-Xylenes	CESG 1-25	**760**	40	ug/m³	8	03/13/24	03/13/24	TO-15
Tetrachloroethylene (PCE)	CESG 1-15	**6500 **d**	210	ug/m³	60	03/14/24	03/14/24	TO-15
Trichlorofluoromethane (R11)	CESG 1-15	**170**	90	ug/m³	30	03/14/24	03/14/24	TO-15
Tetrachloroethylene (PCE)	CESG 1-15 DUP	**4800 ****	420	ug/m³	120	03/14/24	03/14/24	TO-15
Trichlorofluoromethane (R11)	CESG 1-15 DUP	**180**	90	ug/m³	30	03/14/24	03/14/24	TO-15
Acetone	CESG 3-15	**18**	10	ug/m³	1	03/15/24	03/14/24	TO-15
Carbon Disulfide	CESG 3-15	**2.6**	2.5	ug/m³	1	03/15/24	03/14/24	TO-15
Dichlorodifluoromethane (R12)	CESG 3-15	**8.1**	2.5	ug/m³	1	03/15/24	03/14/24	TO-15
Ethylbenzene	CESG 3-15	**83**	2.5	ug/m³	1	03/15/24	03/14/24	TO-15
2-Hexanone (MBK)	CESG 3-15	**18**	10	ug/m³	1	03/15/24	03/14/24	TO-15
Tetrachloroethylene (PCE)	CESG 3-15	**230 **b**	100	ug/m³	30	03/15/24	03/14/24	TO-15
Toluene	CESG 3-15	**3.3**	2.5	ug/m³	1	03/15/24	03/14/24	TO-15
Trichlorofluoromethane (R11)	CESG 3-15	**16**	3.0	ug/m³	1	03/15/24	03/14/24	TO-15
o-Xylene	CESG 3-15	**100**	2.5	ug/m³	1	03/15/24	03/14/24	TO-15
m,p-Xylenes	CESG 3-15	**260 **b**	150	ug/m³	30	03/15/24	03/14/24	TO-15
Dichlorodifluoromethane (R12)	CESG 3-25	**30**	20	ug/m³	8	03/15/24	03/15/24	TO-15
Ethylbenzene	CESG 3-25	**33**	20	ug/m³	8	03/15/24	03/15/24	TO-15

Allen Aminian
QA/QC Manager

LABORATORY ANALYSIS RESULTS

Client: Cal Environmental
Project No: [none]
Project Name: SGI- Los Angeles 777 S. Alameda St.

AA Project No: MB2431108
Date Received: 02/29/24
Date Reported: 03/19/24

ANALYTICAL DATA SUMMARY

Analyte	Sample Name	Result	MRL	Units	Dilution	Prepared	Analyzed	Method
Tetrachloroethylene (PCE)	CESG 3-25	**890**	28	ug/m³	8	03/15/24	03/15/24	TO-15
Trichlorofluoromethane (R11)	CESG 3-25	**25**	24	ug/m³	8	03/15/24	03/15/24	TO-15
o-Xylene	CESG 3-25	**71**	20	ug/m³	8	03/15/24	03/15/24	TO-15
m,p-Xylenes	CESG 3-25	**200**	40	ug/m³	8	03/15/24	03/15/24	TO-15
Dichlorodifluoromethane (R12)	CESG 2-25	**45**	20	ug/m³	8	03/15/24	03/15/24	TO-15
Ethylbenzene	CESG 2-25	**33**	20	ug/m³	8	03/15/24	03/15/24	TO-15
Tetrachloroethylene (PCE)	CESG 2-25	**3300 **e**	260	ug/m³	75	03/15/24	03/15/24	TO-15
Trichlorofluoromethane (R11)	CESG 2-25	**68**	24	ug/m³	8	03/15/24	03/15/24	TO-15
o-Xylene	CESG 2-25	**66**	20	ug/m³	8	03/15/24	03/15/24	TO-15
m,p-Xylenes	CESG 2-25	**190**	40	ug/m³	8	03/15/24	03/15/24	TO-15
Dichlorodifluoromethane (R12)	CESG 4-25	**70**	20	ug/m³	8	03/15/24	03/15/24	TO-15
Ethylbenzene	CESG 4-25	**62**	20	ug/m³	8	03/15/24	03/15/24	TO-15
Tetrachloroethylene (PCE)	CESG 4-25	**2600 **c**	180	ug/m³	50	03/15/24	03/15/24	TO-15
Toluene	CESG 4-25	**25**	20	ug/m³	8	03/15/24	03/15/24	TO-15
Trichlorofluoromethane (R11)	CESG 4-25	**130**	24	ug/m³	8	03/15/24	03/15/24	TO-15
o-Xylene	CESG 4-25	**92**	20	ug/m³	8	03/15/24	03/15/24	TO-15
m,p-Xylenes	CESG 4-25	**310**	40	ug/m³	8	03/15/24	03/15/24	TO-15
Dichlorodifluoromethane (R12)	CESG 5-15	**23**	20	ug/m³	8	03/15/24	03/15/24	TO-15
Tetrachloroethylene (PCE)	CESG 5-15	**420**	28	ug/m³	8	03/15/24	03/15/24	TO-15
Toluene	CESG 5-15	**27**	20	ug/m³	8	03/15/24	03/15/24	TO-15
Trichlorofluoromethane (R11)	CESG 5-15	**27**	24	ug/m³	8	03/15/24	03/15/24	TO-15
Dichlorodifluoromethane (R12)	CESG 5-25	**35**	20	ug/m³	8	03/15/24	03/15/24	TO-15
Ethylbenzene	CESG 5-25	**39**	20	ug/m³	8	03/15/24	03/15/24	TO-15
Tetrachloroethylene (PCE)	CESG 5-25	**860**	28	ug/m³	8	03/15/24	03/15/24	TO-15

Allen Aminian
QA/QC Manager

LABORATORY ANALYSIS RESULTS

Client: Cal Environmental
Project No: [none]
Project Name: SGI- Los Angeles 777 S. Alameda St.

AA Project No: MB2431108
Date Received: 02/29/24
Date Reported: 03/19/24

ANALYTICAL DATA SUMMARY

Analyte	Sample Name	Result	MRL	Units	Dilution	Prepared	Analyzed	Method
Trichlorofluoromethane (R11)	CESG 5-25	**43**	24	ug/m³	8	03/15/24	03/15/24	TO-15
o-Xylene	CESG 5-25	**96**	20	ug/m³	8	03/15/24	03/15/24	TO-15
m,p-Xylenes	CESG 5-25	**220**	40	ug/m³	8	03/15/24	03/15/24	TO-15
Dichlorodifluoromethane (R12)	CESG 6-25	**53**	20	ug/m³	8	03/15/24	03/15/24	TO-15
Ethylbenzene	CESG 6-25	**39**	20	ug/m³	8	03/15/24	03/15/24	TO-15
Tetrachloroethylene (PCE)	CESG 6-25	**2900 **c**	180	ug/m³	50	03/15/24	03/15/24	TO-15
Trichlorofluoromethane (R11)	CESG 6-25	**110**	24	ug/m³	8	03/15/24	03/15/24	TO-15
o-Xylene	CESG 6-25	**62**	20	ug/m³	8	03/15/24	03/15/24	TO-15
m,p-Xylenes	CESG 6-25	**220**	40	ug/m³	8	03/15/24	03/15/24	TO-15
Acetone	AMBIENT AIR	**19**	10	ug/m³	1	03/13/24	03/13/24	TO-15
Isobutane	AMBIENT AIR	**2.5**	2.5	ug/m³	1	03/13/24	03/13/24	TO-15
Dichlorodifluoromethane (R12)	CESG 7-15	**25**	20	ug/m³	8	03/15/24	03/15/24	TO-15
Tetrachloroethylene (PCE)	CESG 7-15	**460**	28	ug/m³	8	03/15/24	03/15/24	TO-15
Trichlorofluoromethane (R11)	CESG 7-15	**52**	24	ug/m³	8	03/15/24	03/15/24	TO-15
m,p-Xylenes	CESG 7-15	**67**	40	ug/m³	8	03/15/24	03/15/24	TO-15
Dichlorodifluoromethane (R12)	CESG 7-25	**32**	20	ug/m³	8	03/15/24	03/15/24	TO-15
Ethylbenzene	CESG 7-25	**230**	20	ug/m³	8	03/15/24	03/15/24	TO-15
Tetrachloroethylene (PCE)	CESG 7-25	**1400 **a**	88	ug/m³	25	03/15/24	03/15/24	TO-15
Trichlorofluoromethane (R11)	CESG 7-25	**78**	24	ug/m³	8	03/15/24	03/15/24	TO-15
o-Xylene	CESG 7-25	**310**	20	ug/m³	8	03/15/24	03/15/24	TO-15
m,p-Xylenes	CESG 7-25	**1100 **a**	120	ug/m³	25	03/15/24	03/15/24	TO-15
Dichlorodifluoromethane (R12)	CESG 8-25	**86**	20	ug/m³	8	03/15/24	03/15/24	TO-15
Ethylbenzene	CESG 8-25	**20**	20	ug/m³	8	03/15/24	03/15/24	TO-15
Tetrachloroethylene (PCE)	CESG 8-25	**550**	28	ug/m³	8	03/15/24	03/15/24	TO-15

Allen Aminian
QA/QC Manager

LABORATORY ANALYSIS RESULTS

Client: Cal Environmental
Project No: [none]
Project Name: SGI- Los Angeles 777 S. Alameda St.

AA Project No: MB2431108
Date Received: 02/29/24
Date Reported: 03/19/24

ANALYTICAL DATA SUMMARY

Analyte	Sample Name	Result	MRL	Units	Dilution	Prepared	Analyzed	Method
Trichlorofluoromethane (R11)	CESG 8-25	**62**	24	ug/m³	8	03/15/24	03/15/24	TO-15
o-Xylene	CESG 8-25	**31**	20	ug/m³	8	03/15/24	03/15/24	TO-15
m,p-Xylenes	CESG 8-25	**120**	40	ug/m³	8	03/15/24	03/15/24	TO-15
Tetrachloroethylene (PCE)	CESG 10-25	**510**	28	ug/m³	8	03/15/24	03/15/24	TO-15
Dichlorodifluoromethane (R12)	CESG 9-15	**69**	20	ug/m³	8	03/15/24	03/16/24	TO-15
Ethylbenzene	CESG 9-15	**44**	20	ug/m³	8	03/15/24	03/16/24	TO-15
Tetrachloroethylene (PCE)	CESG 9-15	**130**	28	ug/m³	8	03/15/24	03/16/24	TO-15
Toluene	CESG 9-15	**27**	20	ug/m³	8	03/15/24	03/16/24	TO-15
Trichlorofluoromethane (R11)	CESG 9-15	**34**	24	ug/m³	8	03/15/24	03/16/24	TO-15
o-Xylene	CESG 9-15	**55**	20	ug/m³	8	03/15/24	03/16/24	TO-15
m,p-Xylenes	CESG 9-15	**220**	40	ug/m³	8	03/15/24	03/16/24	TO-15
Dichlorodifluoromethane (R12)	CESG 9-25	**110**	20	ug/m³	8	03/15/24	03/16/24	TO-15
Ethylbenzene	CESG 9-25	**39**	20	ug/m³	8	03/15/24	03/16/24	TO-15
Tetrachloroethylene (PCE)	CESG 9-25	**300**	28	ug/m³	8	03/15/24	03/16/24	TO-15
Trichlorofluoromethane (R11)	CESG 9-25	**54**	24	ug/m³	8	03/15/24	03/16/24	TO-15
o-Xylene	CESG 9-25	**54**	20	ug/m³	8	03/15/24	03/16/24	TO-15
m,p-Xylenes	CESG 9-25	**210**	40	ug/m³	8	03/15/24	03/16/24	TO-15

Allen Aminian
QA/QC Manager

LABORATORY ANALYSIS RESULTS

Client:	Cal Environmental	**AA Project No:**	MB2431108
Project No:	[none]	**Date Received:**	02/29/24
Project Name:	SGI- Los Angeles 777 S. Alameda St.	**Date Reported:**	03/19/24
Method:	VOCs by GCMS EPA TO-15 (ug/m3)	**Units:**	ug/m³

Date Sampled:	02/29/24	02/29/24	02/29/24	02/29/24	
Date Prepared:	03/13/24	03/14/24	03/14/24	03/15/24	
Date Analyzed:	03/14/24	03/14/24	03/15/24	03/15/24	
AA ID No:	4B29003-01	4B29003-02	4B29003-03	4B29003-04	
Client ID No:	CESG 1-25	CESG 1-15	CESG 1-15 DUP	CESG 3-15	
Matrix:	Vapor	Vapor	Vapor	Vapor	
Dilution Factor:	8	30	30	1	MRL
TO-15 (ug/m3) SG (TO-15)					
Acetone	<80	<300	<300	**18**	10
Allyl chloride	<20	<75	<75	<2.5	2.5
Benzene	<20	<75	<75	<2.5	2.5
Benzyl chloride	<20	<75	<75	<2.5	2.5
Bromodichloromethane	<24	<90	<90	<3.0	3.0
Bromoform	<40	<150	<150	<5.0	5.0
Bromomethane	<20	<75	<75	<2.5	2.5
1,3-Butadiene	<20	<75	<75	<2.5	2.5
2-Butanone (MEK)	<80	<300	<300	<10	10
Carbon Disulfide	<20	<75	<75	**2.6**	2.5
Carbon Tetrachloride	<28	<100	<100	<3.5	3.5
Chlorobenzene	<20	<75	<75	<2.5	2.5
Chloroethane	<20	<75	<75	<2.5	2.5
Chloroform	<20	<75	<75	<2.5	2.5
Chloromethane	<20	<75	<75	<2.5	2.5
Cyclohexane	<20	<75	<75	<2.5	2.5
Dibromochloromethane	<20	<75	<75	<2.5	2.5
1,2-Dibromoethane (EDB)	<32	<120	<120	<4.0	4.0
1,2-Dichlorobenzene	<24	<90	<90	<3.0	3.0
1,3-Dichlorobenzene	<24	<90	<90	<3.0	3.0
1,4-Dichlorobenzene	<24	<90	<90	<3.0	3.0
Dichlorodifluoromethane (R12)	**21**	<75	<75	**8.1**	2.5
1,1-Dichloroethane	<20	<75	<75	<2.5	2.5
1,2-Dichloroethane (EDC)	<20	<75	<75	<2.5	2.5
cis-1,2-Dichloroethylene	<20	<75	<75	<2.5	2.5
1,1-Dichloroethylene	<20	<75	<75	<2.5	2.5
trans-1,2-Dichloroethylene	<20	<75	<75	<2.5	2.5

Allen Aminian
QA/QC Manager

LABORATORY ANALYSIS RESULTS

Client: Cal Environmental
Project No: [none]
Project Name: SGI- Los Angeles 777 S. Alameda St.
Method: VOCs by GCMS EPA TO-15 (ug/m3)

AA Project No: MB2431108
Date Received: 02/29/24
Date Reported: 03/19/24
Units: ug/m³

Date Sampled:	02/29/24	02/29/24	02/29/24	02/29/24	
Date Prepared:	03/13/24	03/14/24	03/14/24	03/15/24	
Date Analyzed:	03/14/24	03/14/24	03/15/24	03/15/24	
AA ID No:	4B29003-01	4B29003-02	4B29003-03	4B29003-04	
Client ID No:	CESG 1-25	CESG 1-15	CESG 1-15 DUP	CESG 3-15	
Matrix:	Vapor	Vapor	Vapor	Vapor	
Dilution Factor:	8	30	30	1	MRL
TO-15 (ug/m3) SG (TO-15) (continued)					
1,2-Dichloropropane	<20	<75	<75	<2.5	2.5
trans-1,3-Dichloropropylene	<20	<75	<75	<2.5	2.5
cis-1,3-Dichloropropylene	<20	<75	<75	<2.5	2.5
Dichlorotetrafluoroethane	<28	<100	<100	<3.5	3.5
1,4-Dioxane	<20	<75	<75	<2.5	2.5
Ethyl Acetate	<20	<75	<75	<2.5	2.5
Ethylbenzene	**150**	<75	<75	**83**	2.5
4-Ethyltoluene	<20	<75	<75	<2.5	2.5
Heptane	<20	<75	<75	<2.5	2.5
Hexachlorobutadiene	<48	<180	<180	<6.0	6.0
n-Hexane	<20	<75	<75	<2.5	2.5
2-Hexanone (MBK)	<80	<300	<300	**18**	10
Isopropanol (IPA)	<80	<300	<300	<10	10
Methyl-tert-Butyl Ether (MTBE)	<80	<300	<300	<10	10
Methylene Chloride	<20	<75	<75	<2.5	2.5
4-Methyl-2-pentanone (MIBK)	<80	<300	<300	<10	10
Naphthalene	<20	<75	<75	<2.5	2.5
Propylene	<20	<75	<75	<2.5	2.5
Styrene	<20	<75	<75	<2.5	2.5
1,1,2,2-Tetrachloroethane	<28	<100	<100	<3.5	3.5
Tetrachloroethylene (PCE)	**1800 [3]**	**6500 [5]**	**4800 [1]**	**230 [3]**	3.5
Tetrahydrofuran (THF)	<20	<75	<75	<2.5	2.5
Toluene	**99**	<75	<75	**3.3**	2.5
1,2,4-Trichlorobenzene	<32	<120	<120	<4.0	4.0
1,1,2-Trichloroethane	<24	<90	<90	<3.0	3.0
1,1,1-Trichloroethane	<24	<90	<90	<3.0	3.0
Trichloroethylene (TCE)	<24	<90	<90	<3.0	3.0

Allen Aminian
QA/QC Manager

LABORATORY ANALYSIS RESULTS

Client:	Cal Environmental	**AA Project No:**	MB2431108
Project No:	[none]	**Date Received:**	02/29/24
Project Name:	SGI- Los Angeles 777 S. Alameda St.	**Date Reported:**	03/19/24
Method:	VOCs by GCMS EPA TO-15 (ug/m3)	**Units:**	ug/m³

Date Sampled:	02/29/24	02/29/24	02/29/24	02/29/24	
Date Prepared:	03/13/24	03/14/24	03/14/24	03/15/24	
Date Analyzed:	03/14/24	03/14/24	03/15/24	03/15/24	
AA ID No:	4B29003-01	4B29003-02	4B29003-03	4B29003-04	
Client ID No:	CESG 1-25	CESG 1-15	CESG 1-15 DUP	CESG 3-15	
Matrix:	Vapor	Vapor	Vapor	Vapor	
Dilution Factor:	8	30	30	1	MRL
TO-15 (ug/m3) SG (TO-15) (continued)					
Trichlorofluoromethane (R11)	**100**	**170**	**180**	**16**	3.0
1,1,2-Trichloro-1,2,2-trifluoroethane (R113)	<32	<120	<120	<4.0	4.0
1,3,5-Trimethylbenzene	<20	<75	<75	<2.5	2.5
1,2,4-Trimethylbenzene	<20	<75	<75	<2.5	2.5
2,2,4-Trimethylpentane	<20	<75	<75	<2.5	2.5
Vinyl acetate	<20	<75	<75	<2.5	2.5
Vinyl bromide	<20	<75	<75	<2.5	2.5
Vinyl chloride	<20	<75	<75	<2.5	2.5
o-Xylene	**200**	<75	<75	**100**	2.5
m,p-Xylenes	**760**	<150	<150	**260 [3]**	5.0
Isobutane	<20	<75	<75	<2.5	2.5
sec-Butylbenzene	<24	<90	<90	<3.0	3.0
Isopropylbenzene	<20	<75	<75	<2.5	2.5
n-Propylbenzene	<20	<75	<75	<2.5	2.5
4-Isopropyltoluene	<24	<90	<90	<3.0	3.0
1,2,3-Trichloropropane	<24	<90	<90	<3.0	3.0
Surrogates					**%REC Limits**
4-Bromofluorobenzene	110%	103%	102%	106%	70-130

Allen Aminian
QA/QC Manager

LABORATORY ANALYSIS RESULTS

Client: Cal Environmental
Project No: [none]
Project Name: SGI- Los Angeles 777 S. Alameda St.
Method: VOCs by GCMS EPA TO-15 (ug/m3)

AA Project No: MB2431108
Date Received: 02/29/24
Date Reported: 03/19/24
Units: ug/m³

Date Sampled:	02/29/24	02/29/24	02/29/24	02/29/24	
Date Prepared:	03/15/24	03/15/24	03/15/24	03/15/24	
Date Analyzed:	03/15/24	03/18/24	03/18/24	03/15/24	
AA ID No:	4B29003-05	4B29003-06	4B29003-07	4B29003-08	
Client ID No:	CESG 3-25	CESG 2-25	CESG 4-25	CESG 5-15	
Matrix:	Vapor	Vapor	Vapor	Vapor	
Dilution Factor:	8	8	8	8	MRL
TO-15 (ug/m3) SG (TO-15)					
Acetone	<80	<80	<80	<80	10
Allyl chloride	<20	<20	<20	<20	2.5
Benzene	<20	<20	<20	<20	2.5
Benzyl chloride	<20	<20	<20	<20	2.5
Bromodichloromethane	<24	<24	<24	<24	3.0
Bromoform	<40	<40	<40	<40	5.0
Bromomethane	<20	<20	<20	<20	2.5
1,3-Butadiene	<20	<20	<20	<20	2.5
2-Butanone (MEK)	<80	<80	<80	<80	10
Carbon Disulfide	<20	<20	<20	<20	2.5
Carbon Tetrachloride	<28	<28	<28	<28	3.5
Chlorobenzene	<20	<20	<20	<20	2.5
Chloroethane	<20	<20	<20	<20	2.5
Chloroform	<20	<20	<20	<20	2.5
Chloromethane	<20	<20	<20	<20	2.5
Cyclohexane	<20	<20	<20	<20	2.5
Dibromochloromethane	<20	<20	<20	<20	2.5
1,2-Dibromoethane (EDB)	<32	<32	<32	<32	4.0
1,2-Dichlorobenzene	<24	<24	<24	<24	3.0
1,3-Dichlorobenzene	<24	<24	<24	<24	3.0
1,4-Dichlorobenzene	<24	<24	<24	<24	3.0
Dichlorodifluoromethane (R12)	**30**	**45**	**70**	**23**	2.5
1,1-Dichloroethane	<20	<20	<20	<20	2.5
1,2-Dichloroethane (EDC)	<20	<20	<20	<20	2.5
cis-1,2-Dichloroethylene	<20	<20	<20	<20	2.5
1,1-Dichloroethylene	<20	<20	<20	<20	2.5
trans-1,2-Dichloroethylene	<20	<20	<20	<20	2.5

Allen Aminian
QA/QC Manager

LABORATORY ANALYSIS RESULTS

Client: Cal Environmental
Project No: [none]
Project Name: SGI- Los Angeles 777 S. Alameda St.
Method: VOCs by GCMS EPA TO-15 (ug/m3)

AA Project No: MB2431108
Date Received: 02/29/24
Date Reported: 03/19/24
Units: ug/m³

Date Sampled:	02/29/24	02/29/24	02/29/24	02/29/24	
Date Prepared:	03/15/24	03/15/24	03/15/24	03/15/24	
Date Analyzed:	03/15/24	03/18/24	03/18/24	03/15/24	
AA ID No:	4B29003-05	4B29003-06	4B29003-07	4B29003-08	
Client ID No:	CESG 3-25	CESG 2-25	CESG 4-25	CESG 5-15	
Matrix:	Vapor	Vapor	Vapor	Vapor	
Dilution Factor:	8	8	8	8	MRL
TO-15 (ug/m3) SG (TO-15) (continued)					
1,2-Dichloropropane	<20	<20	<20	<20	2.5
trans-1,3-Dichloropropylene	<20	<20	<20	<20	2.5
cis-1,3-Dichloropropylene	<20	<20	<20	<20	2.5
Dichlorotetrafluoroethane	<28	<28	<28	<28	3.5
1,4-Dioxane	<20	<20	<20	<20	2.5
Ethyl Acetate	<20	<20	<20	<20	2.5
Ethylbenzene	**33**	**33**	**62**	<20	2.5
4-Ethyltoluene	<20	<20	<20	<20	2.5
Heptane	<20	<20	<20	<20	2.5
Hexachlorobutadiene	<48	<48	<48	<48	6.0
n-Hexane	<20	<20	<20	<20	2.5
2-Hexanone (MBK)	<80	<80	<80	<80	10
Isopropanol (IPA)	<80	<80	<80	<80	10
Methyl-tert-Butyl Ether (MTBE)	<80	<80	<80	<80	10
Methylene Chloride	<20	<20	<20	<20	2.5
4-Methyl-2-pentanone (MIBK)	<80	<80	<80	<80	10
Naphthalene	<20	<20	<20	<20	2.5
Propylene	<20	<20	<20	<20	2.5
Styrene	<20	<20	<20	<20	2.5
1,1,2,2-Tetrachloroethane	<28	<28	<28	<28	3.5
Tetrachloroethylene (PCE)	**890**	**3300 [6]**	**2600 [4]**	**420**	3.5
Tetrahydrofuran (THF)	<20	<20	<20	<20	2.5
Toluene	<20	<20	**25**	**27**	2.5
1,2,4-Trichlorobenzene	<32	<32	<32	<32	4.0
1,1,2-Trichloroethane	<24	<24	<24	<24	3.0
1,1,1-Trichloroethane	<24	<24	<24	<24	3.0
Trichloroethylene (TCE)	<24	<24	<24	<24	3.0

Allen Aminian
QA/QC Manager

LABORATORY ANALYSIS RESULTS

Client: Cal Environmental
Project No: [none]
Project Name: SGI- Los Angeles 777 S. Alameda St.
Method: VOCs by GCMS EPA TO-15 (ug/m3)

AA Project No: MB2431108
Date Received: 02/29/24
Date Reported: 03/19/24
Units: ug/m³

Date Sampled:	02/29/24	02/29/24	02/29/24	02/29/24	
Date Prepared:	03/15/24	03/15/24	03/15/24	03/15/24	
Date Analyzed:	03/15/24	03/18/24	03/18/24	03/15/24	
AA ID No:	4B29003-05	4B29003-06	4B29003-07	4B29003-08	
Client ID No:	CESG 3-25	CESG 2-25	CESG 4-25	CESG 5-15	
Matrix:	Vapor	Vapor	Vapor	Vapor	
Dilution Factor:	8	8	8	8	MRL
TO-15 (ug/m3) SG (TO-15) (continued)					
Trichlorofluoromethane (R11)	**25**	**68**	**130**	**27**	3.0
1,1,2-Trichloro-1,2,2-trifluoroethane (R113)	<32	<32	<32	<32	4.0
1,3,5-Trimethylbenzene	<20	<20	<20	<20	2.5
1,2,4-Trimethylbenzene	<20	<20	<20	<20	2.5
2,2,4-Trimethylpentane	<20	<20	<20	<20	2.5
Vinyl acetate	<20	<20	<20	<20	2.5
Vinyl bromide	<20	<20	<20	<20	2.5
Vinyl chloride	<20	<20	<20	<20	2.5
o-Xylene	**71**	**66**	**92**	<20	2.5
m,p-Xylenes	**200**	**190**	**310**	<40	5.0
Isobutane	<20	<20	<20	<20	2.5
sec-Butylbenzene	<24	<24	<24	<24	3.0
Isopropylbenzene	<20	<20	<20	<20	2.5
n-Propylbenzene	<20	<20	<20	<20	2.5
4-Isopropyltoluene	<24	<24	<24	<24	3.0
1,2,3-Trichloropropane	<24	<24	<24	<24	3.0
Surrogates					**%REC Limits**
4-Bromofluorobenzene	102%	102%	101%	98%	70-130

Allen Aminian
QA/QC Manager

LABORATORY ANALYSIS RESULTS

Client: Cal Environmental
Project No: [none]
Project Name: SGI- Los Angeles 777 S. Alameda St.
Method: VOCs by GCMS EPA TO-15 (ug/m3)

AA Project No: MB2431108
Date Received: 02/29/24
Date Reported: 03/19/24
Units: ug/m³

Date Sampled:	02/29/24	02/29/24	02/29/24	02/29/24	
Date Prepared:	03/15/24	03/15/24	03/13/24	03/15/24	
Date Analyzed:	03/15/24	03/18/24	03/13/24	03/15/24	
AA ID No:	4B29003-09	4B29003-10	4B29003-11	4B29003-12	
Client ID No:	CESG 5-25	CESG 6-25	AMBIENT AIR	CESG 7-15	
Matrix:	Vapor	Vapor	Vapor	Vapor	
Dilution Factor:	8	8	1	8	MRL
TO-15 (ug/m3) SG (TO-15)					
Acetone	<80	<80	**19**	<80	10
Allyl chloride	<20	<20	<2.5	<20	2.5
Benzene	<20	<20	<2.5	<20	2.5
Benzyl chloride	<20	<20	<2.5	<20	2.5
Bromodichloromethane	<24	<24	<3.0	<24	3.0
Bromoform	<40	<40	<5.0	<40	5.0
Bromomethane	<20	<20	<2.5	<20	2.5
1,3-Butadiene	<20	<20	<2.5	<20	2.5
2-Butanone (MEK)	<80	<80	<10	<80	10
Carbon Disulfide	<20	<20	<2.5	<20	2.5
Carbon Tetrachloride	<28	<28	<3.5	<28	3.5
Chlorobenzene	<20	<20	<2.5	<20	2.5
Chloroethane	<20	<20	<2.5	<20	2.5
Chloroform	<20	<20	<2.5	<20	2.5
Chloromethane	<20	<20	<2.5	<20	2.5
Cyclohexane	<20	<20	<2.5	<20	2.5
Dibromochloromethane	<20	<20	<2.5	<20	2.5
1,2-Dibromoethane (EDB)	<32	<32	<4.0	<32	4.0
1,2-Dichlorobenzene	<24	<24	<3.0	<24	3.0
1,3-Dichlorobenzene	<24	<24	<3.0	<24	3.0
1,4-Dichlorobenzene	<24	<24	<3.0	<24	3.0
Dichlorodifluoromethane (R12)	**35**	**53**	<2.5	**25**	2.5
1,1-Dichloroethane	<20	<20	<2.5	<20	2.5
1,2-Dichloroethane (EDC)	<20	<20	<2.5	<20	2.5
cis-1,2-Dichloroethylene	<20	<20	<2.5	<20	2.5
1,1-Dichloroethylene	<20	<20	<2.5	<20	2.5
trans-1,2-Dichloroethylene	<20	<20	<2.5	<20	2.5

Allen Aminian
QA/QC Manager

LABORATORY ANALYSIS RESULTS

Client: Cal Environmental
Project No: [none]
Project Name: SGI- Los Angeles 777 S. Alameda St.
Method: VOCs by GCMS EPA TO-15 (ug/m3)

AA Project No: MB2431108
Date Received: 02/29/24
Date Reported: 03/19/24
Units: ug/m³

Date Sampled:	02/29/24	02/29/24	02/29/24	02/29/24	
Date Prepared:	03/15/24	03/15/24	03/13/24	03/15/24	
Date Analyzed:	03/15/24	03/18/24	03/13/24	03/15/24	
AA ID No:	4B29003-09	4B29003-10	4B29003-11	4B29003-12	
Client ID No:	CESG 5-25	CESG 6-25	AMBIENT AIR	CESG 7-15	
Matrix:	Vapor	Vapor	Vapor	Vapor	
Dilution Factor:	8	8	1	8	MRL
TO-15 (ug/m3) SG (TO-15) (continued)					
1,2-Dichloropropane	<20	<20	<2.5	<20	2.5
trans-1,3-Dichloropropylene	<20	<20	<2.5	<20	2.5
cis-1,3-Dichloropropylene	<20	<20	<2.5	<20	2.5
Dichlorotetrafluoroethane	<28	<28	<3.5	<28	3.5
1,4-Dioxane	<20	<20	<2.5	<20	2.5
Ethyl Acetate	<20	<20	<2.5	<20	2.5
Ethylbenzene	**39**	**39**	<2.5	<20	2.5
4-Ethyltoluene	<20	<20	<2.5	<20	2.5
Heptane	<20	<20	<2.5	<20	2.5
Hexachlorobutadiene	<48	<48	<6.0	<48	6.0
n-Hexane	<20	<20	<2.5	<20	2.5
2-Hexanone (MBK)	<80	<80	<10	<80	10
Isopropanol (IPA)	<80	<80	<10	<80	10
Methyl-tert-Butyl Ether (MTBE)	<80	<80	<10	<80	10
Methylene Chloride	<20	<20	<2.5	<20	2.5
4-Methyl-2-pentanone (MIBK)	<80	<80	<10	<80	10
Naphthalene	<20	<20	<2.5	<20	2.5
Propylene	<20	<20	<2.5	<20	2.5
Styrene	<20	<20	<2.5	<20	2.5
1,1,2,2-Tetrachloroethane	<28	<28	<3.5	<28	3.5
Tetrachloroethylene (PCE)	**860**	**2900 [4]**	<3.5	**460**	3.5
Tetrahydrofuran (THF)	<20	<20	<2.5	<20	2.5
Toluene	<20	<20	<2.5	<20	2.5
1,2,4-Trichlorobenzene	<32	<32	<4.0	<32	4.0
1,1,2-Trichloroethane	<24	<24	<3.0	<24	3.0
1,1,1-Trichloroethane	<24	<24	<3.0	<24	3.0
Trichloroethylene (TCE)	<24	<24	<3.0	<24	3.0

Allen Aminian
QA/QC Manager

LABORATORY ANALYSIS RESULTS

Client: Cal Environmental
Project No: [none]
Project Name: SGI- Los Angeles 777 S. Alameda St.
Method: VOCs by GCMS EPA TO-15 (ug/m3)

AA Project No: MB2431108
Date Received: 02/29/24
Date Reported: 03/19/24
Units: ug/m³

Date Sampled:	02/29/24	02/29/24	02/29/24	02/29/24	
Date Prepared:	03/15/24	03/15/24	03/13/24	03/15/24	
Date Analyzed:	03/15/24	03/18/24	03/13/24	03/15/24	
AA ID No:	4B29003-09	4B29003-10	4B29003-11	4B29003-12	
Client ID No:	CESG 5-25	CESG 6-25	AMBIENT AIR	CESG 7-15	
Matrix:	Vapor	Vapor	Vapor	Vapor	
Dilution Factor:	8	8	1	8	MRL
TO-15 (ug/m3) SG (TO-15) (continued)					
Trichlorofluoromethane (R11)	**43**	**110**	<3.0	**52**	3.0
1,1,2-Trichloro-1,2,2-trifluoroethane (R113)	<32	<32	<4.0	<32	4.0
1,3,5-Trimethylbenzene	<20	<20	<2.5	<20	2.5
1,2,4-Trimethylbenzene	<20	<20	<2.5	<20	2.5
2,2,4-Trimethylpentane	<20	<20	<2.5	<20	2.5
Vinyl acetate	<20	<20	<2.5	<20	2.5
Vinyl bromide	<20	<20	<2.5	<20	2.5
Vinyl chloride	<20	<20	<2.5	<20	2.5
o-Xylene	**96**	**62**	<2.5	<20	2.5
m,p-Xylenes	**220**	**220**	<5.0	**67**	5.0
Isobutane	<20	<20	**2.5**	<20	2.5
sec-Butylbenzene	<24	<24	<3.0	<24	3.0
Isopropylbenzene	<20	<20	<2.5	<20	2.5
n-Propylbenzene	<20	<20	<2.5	<20	2.5
4-Isopropyltoluene	<24	<24	<3.0	<24	3.0
1,2,3-Trichloropropane	<24	<24	<3.0	<24	3.0
Surrogates					**%REC Limits**
4-Bromofluorobenzene	99%	98%	99%	95%	70-130

Allen Aminian
QA/QC Manager

LABORATORY ANALYSIS RESULTS

Client: Cal Environmental
Project No: [none]
Project Name: SGI- Los Angeles 777 S. Alameda St.
Method: VOCs by GCMS EPA TO-15 (ug/m3)

AA Project No: MB2431108
Date Received: 02/29/24
Date Reported: 03/19/24
Units: ug/m³

Date Sampled:	02/29/24	02/29/24	02/29/24	02/29/24	
Date Prepared:	03/15/24	03/15/24	03/15/24	03/15/24	
Date Analyzed:	03/18/24	03/15/24	03/15/24	03/16/24	
AA ID No:	4B29003-13	4B29003-14	4B29003-15	4B29003-16	
Client ID No:	CESG 7-25	CESG 8-25	CESG 10-25	CESG 9-15	
Matrix:	Vapor	Vapor	Vapor	Vapor	
Dilution Factor:	8	8	8	8	MRL
TO-15 (ug/m3) SG (TO-15)					
Acetone	<80	<80	<80	<80	10
Allyl chloride	<20	<20	<20	<20	2.5
Benzene	<20	<20	<20	<20	2.5
Benzyl chloride	<20	<20	<20	<20	2.5
Bromodichloromethane	<24	<24	<24	<24	3.0
Bromoform	<40	<40	<40	<40	5.0
Bromomethane	<20	<20	<20	<20	2.5
1,3-Butadiene	<20	<20	<20	<20	2.5
2-Butanone (MEK)	<80	<80	<80	<80	10
Carbon Disulfide	<20	<20	<20	<20	2.5
Carbon Tetrachloride	<28	<28	<28	<28	3.5
Chlorobenzene	<20	<20	<20	<20	2.5
Chloroethane	<20	<20	<20	<20	2.5
Chloroform	<20	<20	<20	<20	2.5
Chloromethane	<20	<20	<20	<20	2.5
Cyclohexane	<20	<20	<20	<20	2.5
Dibromochloromethane	<20	<20	<20	<20	2.5
1,2-Dibromoethane (EDB)	<32	<32	<32	<32	4.0
1,2-Dichlorobenzene	<24	<24	<24	<24	3.0
1,3-Dichlorobenzene	<24	<24	<24	<24	3.0
1,4-Dichlorobenzene	<24	<24	<24	<24	3.0
Dichlorodifluoromethane (R12)	**32**	**86**	<20	**69**	2.5
1,1-Dichloroethane	<20	<20	<20	<20	2.5
1,2-Dichloroethane (EDC)	<20	<20	<20	<20	2.5
cis-1,2-Dichloroethylene	<20	<20	<20	<20	2.5
1,1-Dichloroethylene	<20	<20	<20	<20	2.5
trans-1,2-Dichloroethylene	<20	<20	<20	<20	2.5

Allen Aminian
QA/QC Manager

LABORATORY ANALYSIS RESULTS

Client:	Cal Environmental	**AA Project No:**	MB2431108
Project No:	[none]	**Date Received:**	02/29/24
Project Name:	SGI- Los Angeles 777 S. Alameda St.	**Date Reported:**	03/19/24
Method:	VOCs by GCMS EPA TO-15 (ug/m3)	**Units:**	ug/m³

Date Sampled:	02/29/24	02/29/24	02/29/24	02/29/24	
Date Prepared:	03/15/24	03/15/24	03/15/24	03/15/24	
Date Analyzed:	03/18/24	03/15/24	03/15/24	03/16/24	
AA ID No:	4B29003-13	4B29003-14	4B29003-15	4B29003-16	
Client ID No:	CESG 7-25	CESG 8-25	CESG 10-25	CESG 9-15	
Matrix:	Vapor	Vapor	Vapor	Vapor	
Dilution Factor:	8	8	8	8	MRL
TO-15 (ug/m3) SG (TO-15) (continued)					
1,2-Dichloropropane	<20	<20	<20	<20	2.5
trans-1,3-Dichloropropylene	<20	<20	<20	<20	2.5
cis-1,3-Dichloropropylene	<20	<20	<20	<20	2.5
Dichlorotetrafluoroethane	<28	<28	<28	<28	3.5
1,4-Dioxane	<20	<20	<20	<20	2.5
Ethyl Acetate	<20	<20	<20	<20	2.5
Ethylbenzene	**230**	**20**	<20	**44**	2.5
4-Ethyltoluene	<20	<20	<20	<20	2.5
Heptane	<20	<20	<20	<20	2.5
Hexachlorobutadiene	<48	<48	<48	<48	6.0
n-Hexane	<20	<20	<20	<20	2.5
2-Hexanone (MBK)	<80	<80	<80	<80	10
Isopropanol (IPA)	<80	<80	<80	<80	10
Methyl-tert-Butyl Ether (MTBE)	<80	<80	<80	<80	10
Methylene Chloride	<20	<20	<20	<20	2.5
4-Methyl-2-pentanone (MIBK)	<80	<80	<80	<80	10
Naphthalene	<20	<20	<20	<20	2.5
Propylene	<20	<20	<20	<20	2.5
Styrene	<20	<20	<20	<20	2.5
1,1,2,2-Tetrachloroethane	<28	<28	<28	<28	3.5
Tetrachloroethylene (PCE)	**1400 [2]**	**550**	**510**	**130**	3.5
Tetrahydrofuran (THF)	<20	<20	<20	<20	2.5
Toluene	<20	<20	<20	**27**	2.5
1,2,4-Trichlorobenzene	<32	<32	<32	<32	4.0
1,1,2-Trichloroethane	<24	<24	<24	<24	3.0
1,1,1-Trichloroethane	<24	<24	<24	<24	3.0
Trichloroethylene (TCE)	<24	<24	<24	<24	3.0

Allen Aminian
QA/QC Manager

LABORATORY ANALYSIS RESULTS

Client: Cal Environmental
Project No: [none]
Project Name: SGI- Los Angeles 777 S. Alameda St.
Method: VOCs by GCMS EPA TO-15 (ug/m3)

AA Project No: MB2431108
Date Received: 02/29/24
Date Reported: 03/19/24
Units: ug/m³

Date Sampled:	02/29/24	02/29/24	02/29/24	02/29/24	
Date Prepared:	03/15/24	03/15/24	03/15/24	03/15/24	
Date Analyzed:	03/18/24	03/15/24	03/15/24	03/16/24	
AA ID No:	4B29003-13	4B29003-14	4B29003-15	4B29003-16	
Client ID No:	CESG 7-25	CESG 8-25	CESG 10-25	CESG 9-15	
Matrix:	Vapor	Vapor	Vapor	Vapor	
Dilution Factor:	8	8	8	8	MRL
TO-15 (ug/m3) SG (TO-15) (continued)					
Trichlorofluoromethane (R11)	**78**	**62**	<24	**34**	3.0
1,1,2-Trichloro-1,2,2-trifluoroethane (R113)	<32	<32	<32	<32	4.0
1,3,5-Trimethylbenzene	<20	<20	<20	<20	2.5
1,2,4-Trimethylbenzene	<20	<20	<20	<20	2.5
2,2,4-Trimethylpentane	<20	<20	<20	<20	2.5
Vinyl acetate	<20	<20	<20	<20	2.5
Vinyl bromide	<20	<20	<20	<20	2.5
Vinyl chloride	<20	<20	<20	<20	2.5
o-Xylene	**310**	**31**	<20	**55**	2.5
m,p-Xylenes	**1100 [2]**	**120**	<40	**220**	5.0
Isobutane	<20	<20	<20	<20	2.5
sec-Butylbenzene	<24	<24	<24	<24	3.0
Isopropylbenzene	<20	<20	<20	<20	2.5
n-Propylbenzene	<20	<20	<20	<20	2.5
4-Isopropyltoluene	<24	<24	<24	<24	3.0
1,2,3-Trichloropropane	<24	<24	<24	<24	3.0
Surrogates					**%REC Limits**
4-Bromofluorobenzene	98%	97%	92%	99%	70-130

Allen Aminian
QA/QC Manager

LABORATORY ANALYSIS RESULTS

Client:	Cal Environmental	**AA Project No:**	MB2431108
Project No:	[none]	**Date Received:**	02/29/24
Project Name:	SGI- Los Angeles 777 S. Alameda St.	**Date Reported:**	03/19/24
Method:	VOCs by GCMS EPA TO-15 (ug/m3)	**Units:**	ug/m³

Date Sampled:	02/29/2024	
Date Prepared:	03/15/24	
Date Analyzed:	03/16/24	
AA ID No:	4B29003-17	
Client ID No:	CESG 9-25	
Matrix:	Vapor	
Dilution Factor:	8	MRL

TO-15 (ug/m3) SG (TO-15)

Acetone	<80	10
Allyl chloride	<20	2.5
Benzene	<20	2.5
Benzyl chloride	<20	2.5
Bromodichloromethane	<24	3.0
Bromoform	<40	5.0
Bromomethane	<20	2.5
1,3-Butadiene	<20	2.5
2-Butanone (MEK)	<80	10
Carbon Disulfide	<20	2.5
Carbon Tetrachloride	<28	3.5
Chlorobenzene	<20	2.5
Chloroethane	<20	2.5
Chloroform	<20	2.5
Chloromethane	<20	2.5
Cyclohexane	<20	2.5
Dibromochloromethane	<20	2.5
1,2-Dibromoethane (EDB)	<32	4.0
1,2-Dichlorobenzene	<24	3.0
1,3-Dichlorobenzene	<24	3.0
1,4-Dichlorobenzene	<24	3.0
Dichlorodifluoromethane (R12)	**110**	2.5
1,1-Dichloroethane	<20	2.5
1,2-Dichloroethane (EDC)	<20	2.5
cis-1,2-Dichloroethylene	<20	2.5
1,1-Dichloroethylene	<20	2.5
trans-1,2-Dichloroethylene	<20	2.5

Allen Aminian
QA/QC Manager

LABORATORY ANALYSIS RESULTS

Client:	Cal Environmental	**AA Project No:**	MB2431108
Project No:	[none]	**Date Received:**	02/29/24
Project Name:	SGI- Los Angeles 777 S. Alameda St.	**Date Reported:**	03/19/24
Method:	VOCs by GCMS EPA TO-15 (ug/m3)	**Units:**	ug/m³

Date Sampled:	02/29/2024	
Date Prepared:	03/15/24	
Date Analyzed:	03/16/24	
AA ID No:	4B29003-17	
Client ID No:	CESG 9-25	
Matrix:	Vapor	
Dilution Factor:	8	MRL

TO-15 (ug/m3) SG (TO-15) (continued)

1,2-Dichloropropane	<20	2.5
trans-1,3-Dichloropropylene	<20	2.5
cis-1,3-Dichloropropylene	<20	2.5
Dichlorotetrafluoroethane	<28	3.5
1,4-Dioxane	<20	2.5
Ethyl Acetate	<20	2.5
Ethylbenzene	**39**	2.5
4-Ethyltoluene	<20	2.5
Heptane	<20	2.5
Hexachlorobutadiene	<48	6.0
n-Hexane	<20	2.5
2-Hexanone (MBK)	<80	10
Isopropanol (IPA)	<80	10
Methyl-tert-Butyl Ether (MTBE)	<80	10
Methylene Chloride	<20	2.5
4-Methyl-2-pentanone (MIBK)	<80	10
Naphthalene	<20	2.5
Propylene	<20	2.5
Styrene	<20	2.5
1,1,2,2-Tetrachloroethane	<28	3.5
Tetrachloroethylene (PCE)	**300**	3.5
Tetrahydrofuran (THF)	<20	2.5
Toluene	<20	2.5
1,2,4-Trichlorobenzene	<32	4.0
1,1,2-Trichloroethane	<24	3.0
1,1,1-Trichloroethane	<24	3.0
Trichloroethylene (TCE)	<24	3.0

Allen Aminian
QA/QC Manager

LABORATORY ANALYSIS RESULTS

Client:	Cal Environmental	**AA Project No:**	MB2431108
Project No:	[none]	**Date Received:**	02/29/24
Project Name:	SGI- Los Angeles 777 S. Alameda St.	**Date Reported:**	03/19/24
Method:	VOCs by GCMS EPA TO-15 (ug/m3)	**Units:**	ug/m³

Date Sampled:	02/29/2024	
Date Prepared:	03/15/24	
Date Analyzed:	03/16/24	
AA ID No:	4B29003-17	
Client ID No:	CESG 9-25	
Matrix:	Vapor	
Dilution Factor:	8	MRL

TO-15 (ug/m3) SG (TO-15) (continued)

Trichlorofluoromethane (R11)	**54**	3.0
1,1,2-Trichloro-1,2,2-trifluoroethane (R113)	<32	4.0
1,3,5-Trimethylbenzene	<20	2.5
1,2,4-Trimethylbenzene	<20	2.5
2,2,4-Trimethylpentane	<20	2.5
Vinyl acetate	<20	2.5
Vinyl bromide	<20	2.5
Vinyl chloride	<20	2.5
o-Xylene	**54**	2.5
m,p-Xylenes	**210**	5.0
Isobutane	<20	2.5
sec-Butylbenzene	<24	3.0
Isopropylbenzene	<20	2.5
n-Propylbenzene	<20	2.5
4-Isopropyltoluene	<24	3.0
1,2,3-Trichloropropane	<24	3.0

Surrogates		**%REC Limits**
4-Bromofluorobenzene	101%	70-130

Allen Aminian
QA/QC Manager

LABORATORY ANALYSIS RESULTS

Client: Cal Environmental
Project No: [none]
Project Name: SGI- Los Angeles 777 S. Alameda St.

AA Project No: MB2431108
Date Received: 02/29/24
Date Reported: 03/19/24

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
VOCs by GCMS EPA TO-15 (ug/m3) - Quality Control										
*Batch B4C1512 - *** DEFAULT PREP ****										
Blank (B4C1512-BLK1)				Prepared & Analyzed: 03/13/24						
Acetone	<10	10	ug/m³							
Allyl chloride	<2.5	2.5	ug/m³							
Benzene	<2.5	2.5	ug/m³							
Benzyl chloride	<2.5	2.5	ug/m³							
Bromodichloromethane	<3.0	3.0	ug/m³							
Bromoform	<5.0	5.0	ug/m³							
Bromomethane	<2.5	2.5	ug/m³							
1,3-Butadiene	<2.5	2.5	ug/m³							
2-Butanone (MEK)	<10	10	ug/m³							
Carbon Disulfide	<2.5	2.5	ug/m³							
Carbon Tetrachloride	<3.5	3.5	ug/m³							
Chlorobenzene	<2.5	2.5	ug/m³							
Chloroethane	<2.5	2.5	ug/m³							
Chloroform	<2.5	2.5	ug/m³							
Chloromethane	<2.5	2.5	ug/m³							
Cyclohexane	<2.5	2.5	ug/m³							
Dibromochloromethane	<2.5	2.5	ug/m³							
1,2-Dibromoethane (EDB)	<4.0	4.0	ug/m³							
1,2-Dichlorobenzene	<3.0	3.0	ug/m³							
1,3-Dichlorobenzene	<3.0	3.0	ug/m³							
1,4-Dichlorobenzene	<3.0	3.0	ug/m³							
Dichlorodifluoromethane (R12)	<2.5	2.5	ug/m³							
1,1-Dichloroethane	<2.5	2.5	ug/m³							
1,2-Dichloroethane (EDC)	<2.5	2.5	ug/m³							
cis-1,2-Dichloroethylene	<2.5	2.5	ug/m³							
1,1-Dichloroethylene	<2.5	2.5	ug/m³							
trans-1,2-Dichloroethylene	<2.5	2.5	ug/m³							
1,2-Dichloropropane	<2.5	2.5	ug/m³							
trans-1,3-Dichloropropylene	<2.5	2.5	ug/m³							
cis-1,3-Dichloropropylene	<2.5	2.5	ug/m³							
Dichlorotetrafluoroethane	<3.5	3.5	ug/m³							
1,4-Dioxane	<2.5	2.5	ug/m³							

Allen Aminian
QA/QC Manager

LABORATORY ANALYSIS RESULTS

Client: Cal Environmental
Project No: [none]
Project Name: SGI- Los Angeles 777 S. Alameda St.

AA Project No: MB2431108
Date Received: 02/29/24
Date Reported: 03/19/24

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
VOCs by GCMS EPA TO-15 (ug/m3) - Quality Control										
*Batch B4C1512 - *** DEFAULT PREP ****										
Blank (B4C1512-BLK1) Continued				Prepared & Analyzed: 03/13/24						
Ethyl Acetate	<2.5	2.5	ug/m³							
Ethylbenzene	<2.5	2.5	ug/m³							
4-Ethyltoluene	<2.5	2.5	ug/m³							
Heptane	<2.5	2.5	ug/m³							
Hexachlorobutadiene	<6.0	6.0	ug/m³							
n-Hexane	<2.5	2.5	ug/m³							
2-Hexanone (MBK)	<10	10	ug/m³							
Isopropanol (IPA)	<10	10	ug/m³							
Methyl-tert-Butyl Ether (MTBE)	<10	10	ug/m³							
Methylene Chloride	<2.5	2.5	ug/m³							
4-Methyl-2-pentanone (MIBK)	<10	10	ug/m³							
Naphthalene	<2.5	2.5	ug/m³							
Propylene	<2.5	2.5	ug/m³							
Styrene	<2.5	2.5	ug/m³							
1,1,2,2-Tetrachloroethane	<3.5	3.5	ug/m³							
Tetrachloroethylene (PCE)	<3.5	3.5	ug/m³							
Tetrahydrofuran (THF)	<2.5	2.5	ug/m³							
Toluene	<2.5	2.5	ug/m³							
1,2,4-Trichlorobenzene	<4.0	4.0	ug/m³							
1,1,2-Trichloroethane	<3.0	3.0	ug/m³							
1,1,1-Trichloroethane	<3.0	3.0	ug/m³							
Trichloroethylene (TCE)	<3.0	3.0	ug/m³							
Trichlorofluoromethane (R11)	<3.0	3.0	ug/m³							
1,1,2-Trichloro-1,2,2-trifluoroethane (R113)	<4.0	4.0	ug/m³							
1,3,5-Trimethylbenzene	<2.5	2.5	ug/m³							
1,2,4-Trimethylbenzene	<2.5	2.5	ug/m³							
2,2,4-Trimethylpentane	<2.5	2.5	ug/m³							
Vinyl acetate	<2.5	2.5	ug/m³							
Vinyl bromide	<2.5	2.5	ug/m³							
Vinyl chloride	<2.5	2.5	ug/m³							
o-Xylene	<2.5	2.5	ug/m³							

Allen Aminian
QA/QC Manager

LABORATORY ANALYSIS RESULTS

Client: Cal Environmental
Project No: [none]
Project Name: SGI- Los Angeles 777 S. Alameda St.

AA Project No: MB2431108
Date Received: 02/29/24
Date Reported: 03/19/24

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
VOCs by GCMS EPA TO-15 (ug/m3) - Quality Control										
*Batch B4C1512 - *** DEFAULT PREP ****										
Blank (B4C1512-BLK1) Continued				Prepared & Analyzed: 03/13/24						
m,p-Xylenes	<5.0	5.0	ug/m³							
Isobutane	<2.5	2.5	ug/m³							
sec-Butylbenzene	<3.0	3.0	ug/m³							
Isopropylbenzene	<2.5	2.5	ug/m³							
n-Propylbenzene	<2.5	2.5	ug/m³							
4-Isopropyltoluene	<3.0	3.0	ug/m³							
1,2,3-Trichloropropane	<3.0	3.0	ug/m³							
Surrogate: 4-Bromofluorobenzene	*35.3*		*ug/m³*	*35.8*		*98.6*	*70-130*			
LCS (B4C1512-BS1)				Prepared & Analyzed: 03/13/24						
Acetone	**26.0**	10	ug/m³	23.8		110	70-130			
Allyl chloride	**35.4**	2.5	ug/m³	31.3		113	70-130			
Benzene	**37.0**	2.5	ug/m³	31.9		116	70-130			
Benzyl chloride	**74.9**	2.5	ug/m³	51.8		145	70-130			QL-04
Bromodichloromethane	**75.7**	3.0	ug/m³	67.0		113	70-130			
Bromoform	**132**	5.0	ug/m³	103		127	70-130			
Bromomethane	**42.7**	2.5	ug/m³	38.8		110	70-130			
1,3-Butadiene	**23.5**	2.5	ug/m³	22.1		106	70-130			
2-Butanone (MEK)	**33.1**	10	ug/m³	29.5		112	70-130			
Carbon Disulfide	**34.5**	2.5	ug/m³	31.1		111	70-130			
Carbon Tetrachloride	**72.0**	3.5	ug/m³	62.9		114	70-130			
Chlorobenzene	**55.2**	2.5	ug/m³	46.0		120	70-130			
Chloroethane	**31.1**	2.5	ug/m³	26.4		118	70-130			
Chloroform	**54.3**	2.5	ug/m³	48.8		111	70-130			
Chloromethane	**23.1**	2.5	ug/m³	20.7		112	70-130			
Cyclohexane	**35.2**	2.5	ug/m³	34.4		102	70-130			
Dibromochloromethane	**106**	2.5	ug/m³	85.2		125	70-130			
1,2-Dibromoethane (EDB)	**93.7**	4.0	ug/m³	76.8		122	70-130			
1,2-Dichlorobenzene	**70.9**	3.0	ug/m³	60.1		118	70-130			
1,3-Dichlorobenzene	**69.2**	3.0	ug/m³	60.1		115	70-130			
1,4-Dichlorobenzene	**72.4**	3.0	ug/m³	60.1		120	70-130			
Dichlorodifluoromethane (R12)	**31.6**	2.5	ug/m³	49.5		64.0	70-130			QL-07

Allen Aminian
QA/QC Manager

LABORATORY ANALYSIS RESULTS

Client: Cal Environmental
Project No: [none]
Project Name: SGI- Los Angeles 777 S. Alameda St.

AA Project No: MB2431108
Date Received: 02/29/24
Date Reported: 03/19/24

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
VOCs by GCMS EPA TO-15 (ug/m3) - Quality Control										
*Batch B4C1512 - *** DEFAULT PREP ****										
LCS (B4C1512-BS1) Continued				Prepared & Analyzed: 03/13/24						
1,1-Dichloroethane	**44.1**	2.5	ug/m³	40.5		109	70-130			
1,2-Dichloroethane (EDC)	**45.0**	2.5	ug/m³	40.5		111	70-130			
cis-1,2-Dichloroethylene	**44.0**	2.5	ug/m³	39.6		111	70-130			
1,1-Dichloroethylene	**44.6**	2.5	ug/m³	39.6		112	70-130			
trans-1,2-Dichloroethylene	**43.4**	2.5	ug/m³	39.6		110	70-130			
1,2-Dichloropropane	**53.4**	2.5	ug/m³	46.2		116	70-130			
trans-1,3-Dichloropropylene	**56.7**	2.5	ug/m³	45.4		125	70-130			
cis-1,3-Dichloropropylene	**56.3**	2.5	ug/m³	45.4		124	70-130			
Dichlorotetrafluoroethane	**67.7**	3.5	ug/m³	69.9		96.8	70-130			
1,4-Dioxane	**41.9**	2.5	ug/m³	36.0		116	70-130			
Ethyl Acetate	**37.0**	2.5	ug/m³	36.0		103	70-130			
Ethylbenzene	**51.5**	2.5	ug/m³	43.4		118	70-130			
4-Ethyltoluene	**67.9**	2.5	ug/m³	49.2		138	70-130			QL-04
Heptane	**49.3**	2.5	ug/m³	41.0		120	70-130			
Hexachlorobutadiene	**106**	6.0	ug/m³	107		99.8	70-130			
n-Hexane	**39.7**	2.5	ug/m³	35.2		112	70-130			
2-Hexanone (MBK)	**51.9**	10	ug/m³	41.0		127	70-130			
Isopropanol (IPA)	**25.7**	10	ug/m³	24.6		105	70-130			
Methyl-tert-Butyl Ether (MTBE)	**73.7**	10	ug/m³	72.1		102	70-130			
Methylene Chloride	**37.8**	2.5	ug/m³	34.7		109	70-130			
4-Methyl-2-pentanone (MIBK)	**48.1**	10	ug/m³	41.0		117	70-130			
Naphthalene	**71.6**	2.5	ug/m³	52.4		136	70-130			QL-02
Propylene	**19.1**	2.5	ug/m³	17.2		111	70-130			
Styrene	**51.6**	2.5	ug/m³	42.6		121	70-130			
1,1,2,2-Tetrachloroethane	**80.3**	3.5	ug/m³	68.7		117	70-130			
Tetrachloroethylene (PCE)	**80.1**	3.5	ug/m³	67.9		118	70-130			
Tetrahydrofuran (THF)	**32.8**	2.5	ug/m³	29.5		111	70-130			
Toluene	**45.9**	2.5	ug/m³	37.7		122	70-130			
1,2,4-Trichlorobenzene	**87.2**	4.0	ug/m³	74.2		118	70-130			
1,1,2-Trichloroethane	**64.5**	3.0	ug/m³	54.6		118	70-130			
1,1,1-Trichloroethane	**61.9**	3.0	ug/m³	54.6		113	70-130			
Trichloroethylene (TCE)	**64.3**	3.0	ug/m³	53.7		120	70-130			

Allen Aminian
QA/QC Manager

LABORATORY ANALYSIS RESULTS

Client: Cal Environmental
Project No: [none]
Project Name: SGI- Los Angeles 777 S. Alameda St.

AA Project No: MB2431108
Date Received: 02/29/24
Date Reported: 03/19/24

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
VOCs by GCMS EPA TO-15 (ug/m3) - Quality Control										
*Batch B4C1512 - *** DEFAULT PREP ****										
LCS (B4C1512-BS1) Continued				Prepared & Analyzed: 03/13/24						
Trichlorofluoromethane (R11)	**61.9**	3.0	ug/m³	56.2		110	70-130			
1,1,2-Trichloro-1,2,2-trifluoroethane (R113)	**92.3**	4.0	ug/m³	76.6		120	70-130			
1,3,5-Trimethylbenzene	**55.7**	2.5	ug/m³	49.2		113	70-130			
1,2,4-Trimethylbenzene	**58.8**	2.5	ug/m³	49.2		120	70-130			
2,2,4-Trimethylpentane	**53.8**	2.5	ug/m³	46.7		115	70-130			
Vinyl acetate	**37.8**	2.5	ug/m³	35.2		107	70-130			
Vinyl bromide	**50.7**	2.5	ug/m³	43.7		116	70-130			
Vinyl chloride	**29.5**	2.5	ug/m³	25.6		115	70-130			
o-Xylene	**52.2**	2.5	ug/m³	43.4		120	70-130			
m,p-Xylenes	**105**	5.0	ug/m³	86.8		121	70-130			
Isobutane	**23.5**	2.5	ug/m³	23.8		98.9	70-130			
4-Isopropyltoluene	**84.3**	3.0	ug/m³	54.9		154	70-130			QL-04
1,2,3-Trichloropropane	**78.2**	3.0	ug/m³	60.3		130	70-130			
Surrogate: 4-Bromofluorobenzene	*37.6*		*ug/m³*	*35.8*		*105*	*70-130*			
LCS Dup (B4C1512-BSD1)				Prepared & Analyzed: 03/13/24						
Acetone	**25.6**	10	ug/m³	23.8		108	70-130	1.66	30	
Allyl chloride	**32.1**	2.5	ug/m³	31.3		103	70-130	9.73	30	
Benzene	**36.2**	2.5	ug/m³	31.9		113	70-130	2.09	30	
Benzyl chloride	**73.5**	2.5	ug/m³	51.8		142	70-130	1.88	30	QL-04
Bromodichloromethane	**79.5**	3.0	ug/m³	67.0		119	70-130	4.84	30	
Bromoform	**130**	5.0	ug/m³	103		126	70-130	0.868	30	
Bromomethane	**43.4**	2.5	ug/m³	38.8		112	70-130	1.62	30	
1,3-Butadiene	**23.2**	2.5	ug/m³	22.1		105	70-130	1.33	30	
2-Butanone (MEK)	**32.4**	10	ug/m³	29.5		110	70-130	2.25	30	
Carbon Disulfide	**31.8**	2.5	ug/m³	31.1		102	70-130	8.18	30	
Carbon Tetrachloride	**71.7**	3.5	ug/m³	62.9		114	70-130	0.438	30	
Chlorobenzene	**52.9**	2.5	ug/m³	46.0		115	70-130	4.18	30	
Chloroethane	**31.1**	2.5	ug/m³	26.4		118	70-130	0.00	30	
Chloroform	**53.6**	2.5	ug/m³	48.8		110	70-130	1.36	30	
Chloromethane	**20.7**	2.5	ug/m³	20.7		100	70-130	11.1	30	

Allen Aminian
QA/QC Manager

LABORATORY ANALYSIS RESULTS

Client: Cal Environmental
Project No: [none]
Project Name: SGI- Los Angeles 777 S. Alameda St.

AA Project No: MB2431108
Date Received: 02/29/24
Date Reported: 03/19/24

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
VOCs by GCMS EPA TO-15 (ug/m3) - Quality Control										
*Batch B4C1512 - *** DEFAULT PREP ****										
LCS Dup (B4C1512-BSD1) Continued				Prepared & Analyzed: 03/13/24						
Cyclohexane	**34.6**	2.5	ug/m³	34.4		101	70-130	1.58	30	
Dibromochloromethane	**106**	2.5	ug/m³	85.2		125	70-130	0.0801	30	
1,2-Dibromoethane (EDB)	**92.7**	4.0	ug/m³	76.8		121	70-130	1.07	30	
1,2-Dichlorobenzene	**70.0**	3.0	ug/m³	60.1		116	70-130	1.19	30	
1,3-Dichlorobenzene	**68.2**	3.0	ug/m³	60.1		114	70-130	1.40	30	
1,4-Dichlorobenzene	**69.4**	3.0	ug/m³	60.1		115	70-130	4.24	30	
Dichlorodifluoromethane (R12)	**30.0**	2.5	ug/m³	49.5		60.6	70-130	5.46	30	QL-07
1,1-Dichloroethane	**43.4**	2.5	ug/m³	40.5		107	70-130	1.57	30	
1,2-Dichloroethane (EDC)	**43.9**	2.5	ug/m³	40.5		108	70-130	2.55	30	
cis-1,2-Dichloroethylene	**44.0**	2.5	ug/m³	39.6		111	70-130	0.180	30	
1,1-Dichloroethylene	**43.7**	2.5	ug/m³	39.6		110	70-130	2.16	30	
trans-1,2-Dichloroethylene	**41.5**	2.5	ug/m³	39.6		105	70-130	4.58	30	
1,2-Dichloropropane	**54.3**	2.5	ug/m³	46.2		118	70-130	1.72	30	
trans-1,3-Dichloropropylene	**56.1**	2.5	ug/m³	45.4		124	70-130	1.05	30	
cis-1,3-Dichloropropylene	**55.5**	2.5	ug/m³	45.4		122	70-130	1.46	30	
Dichlorotetrafluoroethane	**63.1**	3.5	ug/m³	69.9		90.3	70-130	6.95	30	
1,4-Dioxane	**41.5**	2.5	ug/m³	36.0		115	70-130	1.04	30	
Ethyl Acetate	**36.0**	2.5	ug/m³	36.0		99.8	70-130	2.96	30	
Ethylbenzene	**49.9**	2.5	ug/m³	43.4		115	70-130	3.00	30	
4-Ethyltoluene	**66.1**	2.5	ug/m³	49.2		134	70-130	2.79	30	QL-04
Heptane	**47.9**	2.5	ug/m³	41.0		117	70-130	2.78	30	
Hexachlorobutadiene	**108**	6.0	ug/m³	107		101	70-130	0.997	30	
n-Hexane	**38.4**	2.5	ug/m³	35.2		109	70-130	3.16	30	
2-Hexanone (MBK)	**51.1**	10	ug/m³	41.0		125	70-130	1.43	30	
Isopropanol (IPA)	**24.8**	10	ug/m³	24.6		101	70-130	3.60	30	
Methyl-tert-Butyl Ether (MTBE)	**71.5**	10	ug/m³	72.1		99.2	70-130	3.08	30	
Methylene Chloride	**35.8**	2.5	ug/m³	34.7		103	70-130	5.57	30	
4-Methyl-2-pentanone (MIBK)	**48.0**	10	ug/m³	41.0		117	70-130	0.171	30	
Naphthalene	**62.9**	2.5	ug/m³	52.4		120	70-130	12.9	30	
Propylene	**18.3**	2.5	ug/m³	17.2		106	70-130	4.15	30	
Styrene	**49.6**	2.5	ug/m³	42.6		116	70-130	4.04	30	
1,1,2,2-Tetrachloroethane	**77.2**	3.5	ug/m³	68.7		112	70-130	4.01	30	

Allen Aminian
QA/QC Manager

LABORATORY ANALYSIS RESULTS

Client: Cal Environmental
Project No: [none]
Project Name: SGI- Los Angeles 777 S. Alameda St.

AA Project No: MB2431108
Date Received: 02/29/24
Date Reported: 03/19/24

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
VOCs by GCMS EPA TO-15 (ug/m3) - Quality Control										
*Batch B4C1512 - *** DEFAULT PREP ****										
LCS Dup (B4C1512-BSD1) Continued				Prepared & Analyzed: 03/13/24						
Tetrachloroethylene (PCE)	**83.6**	3.5	ug/m³	67.9		123	70-130	4.23	30	
Tetrahydrofuran (THF)	**31.4**	2.5	ug/m³	29.5		106	70-130	4.32	30	
Toluene	**45.5**	2.5	ug/m³	37.7		121	70-130	0.907	30	
1,2,4-Trichlorobenzene	**82.2**	4.0	ug/m³	74.2		111	70-130	5.96	30	
1,1,2-Trichloroethane	**63.2**	3.0	ug/m³	54.6		116	70-130	1.96	30	
1,1,1-Trichloroethane	**59.6**	3.0	ug/m³	54.6		109	70-130	3.68	30	
Trichloroethylene (TCE)	**65.3**	3.0	ug/m³	53.7		122	70-130	1.58	30	
Trichlorofluoromethane (R11)	**62.4**	3.0	ug/m³	56.2		111	70-130	0.723	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (R113)	**92.1**	4.0	ug/m³	76.6		120	70-130	0.249	30	
1,3,5-Trimethylbenzene	**54.9**	2.5	ug/m³	49.2		112	70-130	1.51	30	
1,2,4-Trimethylbenzene	**57.9**	2.5	ug/m³	49.2		118	70-130	1.60	30	
2,2,4-Trimethylpentane	**54.1**	2.5	ug/m³	46.7		116	70-130	0.433	30	
Vinyl acetate	**37.2**	2.5	ug/m³	35.2		106	70-130	1.60	30	
Vinyl bromide	**49.7**	2.5	ug/m³	43.7		114	70-130	1.92	30	
Vinyl chloride	**27.0**	2.5	ug/m³	25.6		106	70-130	8.69	30	
o-Xylene	**50.8**	2.5	ug/m³	43.4		117	70-130	2.70	30	
m,p-Xylenes	**100**	5.0	ug/m³	86.8		115	70-130	4.70	30	
Isobutane	**21.6**	2.5	ug/m³	23.8		90.7	70-130	8.65	30	
4-Isopropyltoluene	**84.6**	3.0	ug/m³	54.9		154	70-130	0.390	30	QL-04
1,2,3-Trichloropropane	**74.3**	3.0	ug/m³	60.3		123	70-130	5.06	30	
Surrogate: 4-Bromofluorobenzene	*36.1*		*ug/m³*	*35.8*		*101*	*70-130*			
*Batch B4C1513 - *** DEFAULT PREP ****										
Blank (B4C1513-BLK1)				Prepared & Analyzed: 03/14/24						
Acetone	<10	10	ug/m³							
Allyl chloride	<2.5	2.5	ug/m³							
Benzene	<2.5	2.5	ug/m³							
Benzyl chloride	<2.5	2.5	ug/m³							
Bromodichloromethane	<3.0	3.0	ug/m³							
Bromoform	<5.0	5.0	ug/m³							
Bromomethane	<2.5	2.5	ug/m³							

Allen Aminian
QA/QC Manager

LABORATORY ANALYSIS RESULTS

Client: Cal Environmental
Project No: [none]
Project Name: SGI- Los Angeles 777 S. Alameda St.

AA Project No: MB2431108
Date Received: 02/29/24
Date Reported: 03/19/24

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
VOCs by GCMS EPA TO-15 (ug/m3) - Quality Control										
*Batch B4C1513 - *** DEFAULT PREP ****										
Blank (B4C1513-BLK1) Continued				Prepared & Analyzed: 03/14/24						
1,3-Butadiene	<2.5	2.5	ug/m³							
2-Butanone (MEK)	<10	10	ug/m³							
Carbon Disulfide	<2.5	2.5	ug/m³							
Carbon Tetrachloride	<3.5	3.5	ug/m³							
Chlorobenzene	<2.5	2.5	ug/m³							
Chloroethane	<2.5	2.5	ug/m³							
Chloroform	<2.5	2.5	ug/m³							
Chloromethane	<2.5	2.5	ug/m³							
Cyclohexane	<2.5	2.5	ug/m³							
Dibromochloromethane	<2.5	2.5	ug/m³							
1,2-Dibromoethane (EDB)	<4.0	4.0	ug/m³							
1,2-Dichlorobenzene	<3.0	3.0	ug/m³							
1,3-Dichlorobenzene	<3.0	3.0	ug/m³							
1,4-Dichlorobenzene	<3.0	3.0	ug/m³							
Dichlorodifluoromethane (R12)	<2.5	2.5	ug/m³							
1,1-Dichloroethane	<2.5	2.5	ug/m³							
1,2-Dichloroethane (EDC)	<2.5	2.5	ug/m³							
cis-1,2-Dichloroethylene	<2.5	2.5	ug/m³							
1,1-Dichloroethylene	<2.5	2.5	ug/m³							
trans-1,2-Dichloroethylene	<2.5	2.5	ug/m³							
1,2-Dichloropropane	<2.5	2.5	ug/m³							
trans-1,3-Dichloropropylene	<2.5	2.5	ug/m³							
cis-1,3-Dichloropropylene	<2.5	2.5	ug/m³							
Dichlorotetrafluoroethane	<3.5	3.5	ug/m³							
1,4-Dioxane	<2.5	2.5	ug/m³							
Ethyl Acetate	<2.5	2.5	ug/m³							
Ethylbenzene	<2.5	2.5	ug/m³							
4-Ethyltoluene	<2.5	2.5	ug/m³							
Heptane	<2.5	2.5	ug/m³							
Hexachlorobutadiene	<6.0	6.0	ug/m³							
n-Hexane	<2.5	2.5	ug/m³							
2-Hexanone (MBK)	<10	10	ug/m³							

Allen Aminian
QA/QC Manager

LABORATORY ANALYSIS RESULTS

Client: Cal Environmental
Project No: [none]
Project Name: SGI- Los Angeles 777 S. Alameda St.

AA Project No: MB2431108
Date Received: 02/29/24
Date Reported: 03/19/24

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
VOCs by GCMS EPA TO-15 (ug/m3) - Quality Control										
*Batch B4C1513 - *** DEFAULT PREP ****										
Blank (B4C1513-BLK1) Continued				Prepared & Analyzed: 03/14/24						
Isopropanol (IPA)	<10	10	ug/m³							
Methyl-tert-Butyl Ether (MTBE)	<10	10	ug/m³							
Methylene Chloride	<2.5	2.5	ug/m³							
4-Methyl-2-pentanone (MIBK)	<10	10	ug/m³							
Naphthalene	<2.5	2.5	ug/m³							
Propylene	<2.5	2.5	ug/m³							
Styrene	<2.5	2.5	ug/m³							
1,1,2,2-Tetrachloroethane	<3.5	3.5	ug/m³							
Tetrachloroethylene (PCE)	<3.5	3.5	ug/m³							
Tetrahydrofuran (THF)	<2.5	2.5	ug/m³							
Toluene	<2.5	2.5	ug/m³							
1,2,4-Trichlorobenzene	<4.0	4.0	ug/m³							
1,1,2-Trichloroethane	<3.0	3.0	ug/m³							
1,1,1-Trichloroethane	<3.0	3.0	ug/m³							
Trichloroethylene (TCE)	<3.0	3.0	ug/m³							
Trichlorofluoromethane (R11)	<3.0	3.0	ug/m³							
1,1,2-Trichloro-1,2,2-trifluoroethane (R113)	<4.0	4.0	ug/m³							
1,3,5-Trimethylbenzene	<2.5	2.5	ug/m³							
1,2,4-Trimethylbenzene	<2.5	2.5	ug/m³							
2,2,4-Trimethylpentane	<2.5	2.5	ug/m³							
Vinyl acetate	<2.5	2.5	ug/m³							
Vinyl bromide	<2.5	2.5	ug/m³							
Vinyl chloride	<2.5	2.5	ug/m³							
o-Xylene	<2.5	2.5	ug/m³							
m,p-Xylenes	<5.0	5.0	ug/m³							
Isobutane	<2.5	2.5	ug/m³							
sec-Butylbenzene	<3.0	3.0	ug/m³							
Isopropylbenzene	<2.5	2.5	ug/m³							
n-Propylbenzene	<2.5	2.5	ug/m³							
4-Isopropyltoluene	<3.0	3.0	ug/m³							
1,2,3-Trichloropropane	<3.0	3.0	ug/m³							

Allen Aminian
QA/QC Manager

LABORATORY ANALYSIS RESULTS

Client: Cal Environmental
Project No: [none]
Project Name: SGI- Los Angeles 777 S. Alameda St.

AA Project No: MB2431108
Date Received: 02/29/24
Date Reported: 03/19/24

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
VOCs by GCMS EPA TO-15 (ug/m3) - Quality Control										
*Batch B4C1513 - *** DEFAULT PREP ****										
Blank (B4C1513-BLK1) Continued				Prepared & Analyzed: 03/14/24						
Surrogate: 4-Bromofluorobenzene	*33.9*		*ug/m³*	*35.8*		*94.6*	*70-130*			
LCS (B4C1513-BS1)				Prepared: 03/14/24 Analyzed: 03/15/24						
Acetone	**27.6**	10	ug/m³	23.8		116	70-130			
Allyl chloride	**37.9**	2.5	ug/m³	31.3		121	70-130			
Benzene	**38.9**	2.5	ug/m³	31.9		122	70-130			
Benzyl chloride	**78.9**	2.5	ug/m³	51.8		152	70-130			QL-04
Bromodichloromethane	**85.2**	3.0	ug/m³	67.0		127	70-130			
Bromoform	**146**	5.0	ug/m³	103		141	70-130			QL-04
Bromomethane	**45.5**	2.5	ug/m³	38.8		117	70-130			
1,3-Butadiene	**24.7**	2.5	ug/m³	22.1		112	70-130			
2-Butanone (MEK)	**33.4**	10	ug/m³	29.5		113	70-130			
Carbon Disulfide	**38.9**	2.5	ug/m³	31.1		125	70-130			
Carbon Tetrachloride	**78.4**	3.5	ug/m³	62.9		125	70-130			
Chlorobenzene	**56.3**	2.5	ug/m³	46.0		122	70-130			
Chloroethane	**32.6**	2.5	ug/m³	26.4		123	70-130			
Chloroform	**57.1**	2.5	ug/m³	48.8		117	70-130			
Chloromethane	**28.3**	2.5	ug/m³	20.7		137	70-130			QL-02
Cyclohexane	**34.7**	2.5	ug/m³	34.4		101	70-130			
Dibromochloromethane	**117**	2.5	ug/m³	85.2		138	70-130			QL-04
1,2-Dibromoethane (EDB)	**101**	4.0	ug/m³	76.8		132	70-130			QL-04
1,2-Dichlorobenzene	**79.6**	3.0	ug/m³	60.1		132	70-130			QL-04
1,3-Dichlorobenzene	**74.6**	3.0	ug/m³	60.1		124	70-130			
1,4-Dichlorobenzene	**77.6**	3.0	ug/m³	60.1		129	70-130			
Dichlorodifluoromethane (R12)	**30.3**	2.5	ug/m³	49.5		61.3	70-130			QL-07
1,1-Dichloroethane	**46.2**	2.5	ug/m³	40.5		114	70-130			
1,2-Dichloroethane (EDC)	**47.7**	2.5	ug/m³	40.5		118	70-130			
cis-1,2-Dichloroethylene	**45.8**	2.5	ug/m³	39.6		115	70-130			
1,1-Dichloroethylene	**48.7**	2.5	ug/m³	39.6		123	70-130			
trans-1,2-Dichloroethylene	**44.4**	2.5	ug/m³	39.6		112	70-130			
1,2-Dichloropropane	**55.5**	2.5	ug/m³	46.2		120	70-130			
trans-1,3-Dichloropropylene	**59.6**	2.5	ug/m³	45.4		131	70-130			QL-02

Allen Aminian
QA/QC Manager

LABORATORY ANALYSIS RESULTS

Client: Cal Environmental
Project No: [none]
Project Name: SGI- Los Angeles 777 S. Alameda St.

AA Project No: MB2431108
Date Received: 02/29/24
Date Reported: 03/19/24

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
VOCs by GCMS EPA TO-15 (ug/m3) - Quality Control										
*Batch B4C1513 - *** DEFAULT PREP ****										
LCS (B4C1513-BS1) Continued				Prepared: 03/14/24 Analyzed: 03/15/24						
cis-1,3-Dichloropropylene	**59.0**	2.5	ug/m³	45.4		130	70-130			
Dichlorotetrafluoroethane	**70.9**	3.5	ug/m³	69.9		101	70-130			
1,4-Dioxane	**43.7**	2.5	ug/m³	36.0		121	70-130			
Ethyl Acetate	**37.6**	2.5	ug/m³	36.0		104	70-130			
Ethylbenzene	**54.6**	2.5	ug/m³	43.4		126	70-130			
4-Ethyltoluene	**75.0**	2.5	ug/m³	49.2		153	70-130			QL-04
Heptane	**49.2**	2.5	ug/m³	41.0		120	70-130			
Hexachlorobutadiene	**99.2**	6.0	ug/m³	107		93.0	70-130			
n-Hexane	**40.4**	2.5	ug/m³	35.2		114	70-130			
2-Hexanone (MBK)	**53.1**	10	ug/m³	41.0		130	70-130			
Isopropanol (IPA)	**27.4**	10	ug/m³	24.6		112	70-130			
Methyl-tert-Butyl Ether (MTBE)	**78.1**	10	ug/m³	72.1		108	70-130			
Methylene Chloride	**41.5**	2.5	ug/m³	34.7		120	70-130			
4-Methyl-2-pentanone (MIBK)	**50.3**	10	ug/m³	41.0		123	70-130			
Naphthalene	**54.0**	2.5	ug/m³	52.4		103	70-130			
Propylene	**21.4**	2.5	ug/m³	17.2		124	70-130			
Styrene	**53.1**	2.5	ug/m³	42.6		125	70-130			
1,1,2,2-Tetrachloroethane	**79.8**	3.5	ug/m³	68.7		116	70-130			
Tetrachloroethylene (PCE)	**93.6**	3.5	ug/m³	67.9		138	70-130			QL-06
Tetrahydrofuran (THF)	**32.0**	2.5	ug/m³	29.5		109	70-130			
Toluene	**49.0**	2.5	ug/m³	37.7		130	70-130			
1,2,4-Trichlorobenzene	**70.8**	4.0	ug/m³	74.2		95.4	70-130			
1,1,2-Trichloroethane	**68.5**	3.0	ug/m³	54.6		126	70-130			
1,1,1-Trichloroethane	**64.6**	3.0	ug/m³	54.6		118	70-130			
Trichloroethylene (TCE)	**71.1**	3.0	ug/m³	53.7		132	70-130			QL-04
Trichlorofluoromethane (R11)	**62.5**	3.0	ug/m³	56.2		111	70-130			
1,1,2-Trichloro-1,2,2-trifluoroethane (R113)	**91.8**	4.0	ug/m³	76.6		120	70-130			
1,3,5-Trimethylbenzene	**67.2**	2.5	ug/m³	49.2		137	70-130			QL-02
1,2,4-Trimethylbenzene	**70.9**	2.5	ug/m³	49.2		144	70-130			QL-04
2,2,4-Trimethylpentane	**56.1**	2.5	ug/m³	46.7		120	70-130			
Vinyl acetate	**39.2**	2.5	ug/m³	35.2		111	70-130			

Allen Aminian
QA/QC Manager

LABORATORY ANALYSIS RESULTS

Client: Cal Environmental
Project No: [none]
Project Name: SGI- Los Angeles 777 S. Alameda St.

AA Project No: MB2431108
Date Received: 02/29/24
Date Reported: 03/19/24

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
VOCs by GCMS EPA TO-15 (ug/m3) - Quality Control										
*Batch B4C1513 - *** DEFAULT PREP ****										
LCS (B4C1513-BS1) Continued				Prepared: 03/14/24 Analyzed: 03/15/24						
Vinyl bromide	**51.8**	2.5	ug/m³	43.7		118	70-130			
Vinyl chloride	**31.5**	2.5	ug/m³	25.6		123	70-130			
o-Xylene	**54.5**	2.5	ug/m³	43.4		126	70-130			
m,p-Xylenes	**118**	5.0	ug/m³	86.8		136	70-130			QL-06
Isobutane	**23.2**	2.5	ug/m³	23.8		97.8	70-130			
4-Isopropyltoluene	**91.9**	3.0	ug/m³	54.9		167	70-130			QL-04
1,2,3-Trichloropropane	**79.2**	3.0	ug/m³	60.3		131	70-130			
Surrogate: 4-Bromofluorobenzene	*38.2*		*ug/m³*	*35.8*		*107*	*70-130*			
LCS Dup (B4C1513-BSD1)				Prepared: 03/14/24 Analyzed: 03/15/24						
Acetone	**27.2**	10	ug/m³	23.8		115	70-130	1.13	30	
Allyl chloride	**34.5**	2.5	ug/m³	31.3		110	70-130	9.42	30	
Benzene	**37.3**	2.5	ug/m³	31.9		117	70-130	4.11	30	
Benzyl chloride	**76.7**	2.5	ug/m³	51.8		148	70-130	2.73	30	QL-04
Bromodichloromethane	**84.0**	3.0	ug/m³	67.0		125	70-130	1.43	30	
Bromoform	**141**	5.0	ug/m³	103		136	70-130	3.17	30	QL-04
Bromomethane	**43.7**	2.5	ug/m³	38.8		112	70-130	4.01	30	
1,3-Butadiene	**24.2**	2.5	ug/m³	22.1		109	70-130	1.99	30	
2-Butanone (MEK)	**33.3**	10	ug/m³	29.5		113	70-130	0.531	30	
Carbon Disulfide	**35.5**	2.5	ug/m³	31.1		114	70-130	9.04	30	
Carbon Tetrachloride	**77.5**	3.5	ug/m³	62.9		123	70-130	1.13	30	
Chlorobenzene	**55.6**	2.5	ug/m³	46.0		121	70-130	1.40	30	
Chloroethane	**31.1**	2.5	ug/m³	26.4		118	70-130	4.47	30	
Chloroform	**56.2**	2.5	ug/m³	48.8		115	70-130	1.46	30	
Chloromethane	**25.8**	2.5	ug/m³	20.7		125	70-130	9.01	30	
Cyclohexane	**34.9**	2.5	ug/m³	34.4		101	70-130	0.693	30	
Dibromochloromethane	**118**	2.5	ug/m³	85.2		138	70-130	0.217	30	QL-04
1,2-Dibromoethane (EDB)	**101**	4.0	ug/m³	76.8		131	70-130	0.533	30	QL-04
1,2-Dichlorobenzene	**78.6**	3.0	ug/m³	60.1		131	70-130	1.29	30	QL-04
1,3-Dichlorobenzene	**74.3**	3.0	ug/m³	60.1		124	70-130	0.485	30	
1,4-Dichlorobenzene	**77.9**	3.0	ug/m³	60.1		130	70-130	0.464	30	
Dichlorodifluoromethane (R12)	**27.1**	2.5	ug/m³	49.5		54.8	70-130	11.2	30	QL-07

Allen Aminian
QA/QC Manager

LABORATORY ANALYSIS RESULTS

Client: Cal Environmental
Project No: [none]
Project Name: SGI- Los Angeles 777 S. Alameda St.

AA Project No: MB2431108
Date Received: 02/29/24
Date Reported: 03/19/24

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
VOCs by GCMS EPA TO-15 (ug/m3) - Quality Control										
*Batch B4C1513 - *** DEFAULT PREP ****										
LCS Dup (B4C1513-BSD1) Continued				Prepared: 03/14/24 Analyzed: 03/15/24						
1,1-Dichloroethane	**44.4**	2.5	ug/m³	40.5		110	70-130	3.93	30	
1,2-Dichloroethane (EDC)	**46.7**	2.5	ug/m³	40.5		116	70-130	1.97	30	
cis-1,2-Dichloroethylene	**44.7**	2.5	ug/m³	39.6		113	70-130	2.37	30	
1,1-Dichloroethylene	**47.5**	2.5	ug/m³	39.6		120	70-130	2.47	30	
trans-1,2-Dichloroethylene	**44.1**	2.5	ug/m³	39.6		111	70-130	0.716	30	
1,2-Dichloropropane	**54.5**	2.5	ug/m³	46.2		118	70-130	1.77	30	
trans-1,3-Dichloropropylene	**59.0**	2.5	ug/m³	45.4		130	70-130	1.07	30	
cis-1,3-Dichloropropylene	**58.7**	2.5	ug/m³	45.4		129	70-130	0.540	30	
Dichlorotetrafluoroethane	**63.3**	3.5	ug/m³	69.9		90.5	70-130	11.4	30	
1,4-Dioxane	**43.0**	2.5	ug/m³	36.0		119	70-130	1.58	30	
Ethyl Acetate	**37.2**	2.5	ug/m³	36.0		103	70-130	1.25	30	
Ethylbenzene	**53.2**	2.5	ug/m³	43.4		122	70-130	2.66	30	
4-Ethyltoluene	**71.5**	2.5	ug/m³	49.2		146	70-130	4.76	30	QL-04
Heptane	**49.1**	2.5	ug/m³	41.0		120	70-130	0.250	30	
Hexachlorobutadiene	**102**	6.0	ug/m³	107		95.9	70-130	3.07	30	
n-Hexane	**39.7**	2.5	ug/m³	35.2		112	70-130	1.76	30	
2-Hexanone (MBK)	**53.5**	10	ug/m³	41.0		130	70-130	0.615	30	
Isopropanol (IPA)	**27.7**	10	ug/m³	24.6		113	70-130	1.07	30	
Methyl-tert-Butyl Ether (MTBE)	**76.5**	10	ug/m³	72.1		106	70-130	2.01	30	
Methylene Chloride	**40.0**	2.5	ug/m³	34.7		115	70-130	3.75	30	
4-Methyl-2-pentanone (MIBK)	**49.5**	10	ug/m³	41.0		121	70-130	1.56	30	
Naphthalene	**53.7**	2.5	ug/m³	52.4		102	70-130	0.584	30	
Propylene	**19.8**	2.5	ug/m³	17.2		115	70-130	7.70	30	
Styrene	**54.2**	2.5	ug/m³	42.6		127	70-130	1.98	30	
1,1,2,2-Tetrachloroethane	**78.2**	3.5	ug/m³	68.7		114	70-130	2.00	30	
Tetrachloroethylene (PCE)	**94.7**	3.5	ug/m³	67.9		140	70-130	1.15	30	QL-06
Tetrahydrofuran (THF)	**31.9**	2.5	ug/m³	29.5		108	70-130	0.461	30	
Toluene	**48.2**	2.5	ug/m³	37.7		128	70-130	1.55	30	
1,2,4-Trichlorobenzene	**68.3**	4.0	ug/m³	74.2		92.1	70-130	3.52	30	
1,1,2-Trichloroethane	**70.0**	3.0	ug/m³	54.6		128	70-130	2.05	30	
1,1,1-Trichloroethane	**63.0**	3.0	ug/m³	54.6		115	70-130	2.57	30	
Trichloroethylene (TCE)	**70.9**	3.0	ug/m³	53.7		132	70-130	0.378	30	QL-04

Allen Aminian
QA/QC Manager

LABORATORY ANALYSIS RESULTS

Client: Cal Environmental
Project No: [none]
Project Name: SGI- Los Angeles 777 S. Alameda St.

AA Project No: MB2431108
Date Received: 02/29/24
Date Reported: 03/19/24

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
VOCs by GCMS EPA TO-15 (ug/m3) - Quality Control										
*Batch B4C1513 - *** DEFAULT PREP ****										
LCS Dup (B4C1513-BSD1) Continued				Prepared: 03/14/24 Analyzed: 03/15/24						
Trichlorofluoromethane (R11)	**64.3**	3.0	ug/m³	56.2		114	70-130	2.75	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (R113)	**92.7**	4.0	ug/m³	76.6		121	70-130	0.997	30	
1,3,5-Trimethylbenzene	**58.3**	2.5	ug/m³	49.2		119	70-130	14.2	30	
1,2,4-Trimethylbenzene	**64.5**	2.5	ug/m³	49.2		131	70-130	9.52	30	QL-04
2,2,4-Trimethylpentane	**56.2**	2.5	ug/m³	46.7		120	70-130	0.250	30	
Vinyl acetate	**38.4**	2.5	ug/m³	35.2		109	70-130	2.00	30	
Vinyl bromide	**51.8**	2.5	ug/m³	43.7		118	70-130	0.00	30	
Vinyl chloride	**30.3**	2.5	ug/m³	25.6		118	70-130	3.89	30	
o-Xylene	**53.0**	2.5	ug/m³	43.4		122	70-130	2.83	30	
m,p-Xylenes	**114**	5.0	ug/m³	86.8		131	70-130	3.85	30	QL-06
Isobutane	**21.2**	2.5	ug/m³	23.8		89.0	70-130	9.42	30	
4-Isopropyltoluene	**89.6**	3.0	ug/m³	54.9		163	70-130	2.54	30	QL-04
1,2,3-Trichloropropane	**78.3**	3.0	ug/m³	60.3		130	70-130	1.23	30	
Surrogate: 4-Bromofluorobenzene	*37.6*		*ug/m³*	*35.8*		*105*	*70-130*			
*Batch B4C1828 - *** DEFAULT PREP ****										
Blank (B4C1828-BLK1)				Prepared & Analyzed: 03/15/24						
Acetone	<10	10	ug/m³							
Allyl chloride	<2.5	2.5	ug/m³							
Benzene	<2.5	2.5	ug/m³							
Benzyl chloride	<2.5	2.5	ug/m³							
Bromodichloromethane	<3.0	3.0	ug/m³							
Bromoform	<5.0	5.0	ug/m³							
Bromomethane	<2.5	2.5	ug/m³							
1,3-Butadiene	<2.5	2.5	ug/m³							
2-Butanone (MEK)	<10	10	ug/m³							
Carbon Disulfide	<2.5	2.5	ug/m³							
Carbon Tetrachloride	<3.5	3.5	ug/m³							
Chlorobenzene	<2.5	2.5	ug/m³							
Chloroethane	<2.5	2.5	ug/m³							
Chloroform	<2.5	2.5	ug/m³							

Allen Aminian
QA/QC Manager

LABORATORY ANALYSIS RESULTS

Client: Cal Environmental
Project No: [none]
Project Name: SGI- Los Angeles 777 S. Alameda St.

AA Project No: MB2431108
Date Received: 02/29/24
Date Reported: 03/19/24

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
VOCs by GCMS EPA TO-15 (ug/m3) - Quality Control										
*Batch B4C1828 - *** DEFAULT PREP ****										
Blank (B4C1828-BLK1) Continued				Prepared & Analyzed: 03/15/24						
Chloromethane	<2.5	2.5	ug/m³							
Cyclohexane	<2.5	2.5	ug/m³							
Dibromochloromethane	<2.5	2.5	ug/m³							
1,2-Dibromoethane (EDB)	<4.0	4.0	ug/m³							
1,2-Dichlorobenzene	<3.0	3.0	ug/m³							
1,3-Dichlorobenzene	<3.0	3.0	ug/m³							
1,4-Dichlorobenzene	<3.0	3.0	ug/m³							
Dichlorodifluoromethane (R12)	<2.5	2.5	ug/m³							
1,1-Dichloroethane	<2.5	2.5	ug/m³							
1,2-Dichloroethane (EDC)	<2.5	2.5	ug/m³							
cis-1,2-Dichloroethylene	<2.5	2.5	ug/m³							
1,1-Dichloroethylene	<2.5	2.5	ug/m³							
trans-1,2-Dichloroethylene	<2.5	2.5	ug/m³							
1,2-Dichloropropane	<2.5	2.5	ug/m³							
trans-1,3-Dichloropropylene	<2.5	2.5	ug/m³							
cis-1,3-Dichloropropylene	<2.5	2.5	ug/m³							
Dichlorotetrafluoroethane	<3.5	3.5	ug/m³							
1,4-Dioxane	<2.5	2.5	ug/m³							
Ethyl Acetate	<2.5	2.5	ug/m³							
Ethylbenzene	<2.5	2.5	ug/m³							
4-Ethyltoluene	<2.5	2.5	ug/m³							
Heptane	<2.5	2.5	ug/m³							
Hexachlorobutadiene	<6.0	6.0	ug/m³							
n-Hexane	<2.5	2.5	ug/m³							
2-Hexanone (MBK)	<10	10	ug/m³							
Isopropanol (IPA)	<10	10	ug/m³							
Methyl-tert-Butyl Ether (MTBE)	<10	10	ug/m³							
Methylene Chloride	<2.5	2.5	ug/m³							
4-Methyl-2-pentanone (MIBK)	<10	10	ug/m³							
Naphthalene	<2.5	2.5	ug/m³							
Propylene	<2.5	2.5	ug/m³							
Styrene	<2.5	2.5	ug/m³							

Allen Aminian
QA/QC Manager

LABORATORY ANALYSIS RESULTS

Client: Cal Environmental
Project No: [none]
Project Name: SGI- Los Angeles 777 S. Alameda St.

AA Project No: MB2431108
Date Received: 02/29/24
Date Reported: 03/19/24

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
VOCs by GCMS EPA TO-15 (ug/m3) - Quality Control										
*Batch B4C1828 - *** DEFAULT PREP ****										
Blank (B4C1828-BLK1) Continued				Prepared & Analyzed: 03/15/24						
1,1,2,2-Tetrachloroethane	<3.5	3.5	ug/m³							
Tetrachloroethylene (PCE)	<3.5	3.5	ug/m³							
Tetrahydrofuran (THF)	<2.5	2.5	ug/m³							
Toluene	<2.5	2.5	ug/m³							
1,2,4-Trichlorobenzene	<4.0	4.0	ug/m³							
1,1,2-Trichloroethane	<3.0	3.0	ug/m³							
1,1,1-Trichloroethane	<3.0	3.0	ug/m³							
Trichloroethylene (TCE)	<3.0	3.0	ug/m³							
Trichlorofluoromethane (R11)	<3.0	3.0	ug/m³							
1,1,2-Trichloro-1,2,2-trifluoroethane (R113)	<4.0	4.0	ug/m³							
1,3,5-Trimethylbenzene	<2.5	2.5	ug/m³							
1,2,4-Trimethylbenzene	<2.5	2.5	ug/m³							
2,2,4-Trimethylpentane	<2.5	2.5	ug/m³							
Vinyl acetate	<2.5	2.5	ug/m³							
Vinyl bromide	<2.5	2.5	ug/m³							
Vinyl chloride	<2.5	2.5	ug/m³							
o-Xylene	<2.5	2.5	ug/m³							
m,p-Xylenes	<5.0	5.0	ug/m³							
Isobutane	<2.5	2.5	ug/m³							
sec-Butylbenzene	<3.0	3.0	ug/m³							
Isopropylbenzene	<2.5	2.5	ug/m³							
n-Propylbenzene	<2.5	2.5	ug/m³							
4-Isopropyltoluene	<3.0	3.0	ug/m³							
1,2,3-Trichloropropane	<3.0	3.0	ug/m³							
Surrogate: 4-Bromofluorobenzene	*32.8*		*ug/m³*	*35.8*		*91.6*	*70-130*			
LCS (B4C1828-BS1)				Prepared: 03/15/24 Analyzed: 03/16/24						
Acetone	**22.4**	10	ug/m³	23.8		94.3	70-130			
Allyl chloride	**26.8**	2.5	ug/m³	31.3		85.7	70-130			
Benzene	**34.2**	2.5	ug/m³	31.9		107	70-130			
Benzyl chloride	**65.3**	2.5	ug/m³	51.8		126	70-130			

Allen Aminian
QA/QC Manager

LABORATORY ANALYSIS RESULTS

Client: Cal Environmental
Project No: [none]
Project Name: SGI- Los Angeles 777 S. Alameda St.

AA Project No: MB2431108
Date Received: 02/29/24
Date Reported: 03/19/24

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
VOCs by GCMS EPA TO-15 (ug/m3) - Quality Control										
*Batch B4C1828 - *** DEFAULT PREP ****										
LCS (B4C1828-BS1) Continued				Prepared: 03/15/24 Analyzed: 03/16/24						
Bromodichloromethane	**69.4**	3.0	ug/m³	67.0		104	70-130			
Bromoform	**125**	5.0	ug/m³	103		121	70-130			
Bromomethane	**35.9**	2.5	ug/m³	38.8		92.5	70-130			
1,3-Butadiene	**19.0**	2.5	ug/m³	22.1		85.9	70-130			
2-Butanone (MEK)	**27.1**	10	ug/m³	29.5		92.0	70-130			
Carbon Disulfide	**28.7**	2.5	ug/m³	31.1		92.3	70-130			
Carbon Tetrachloride	**63.7**	3.5	ug/m³	62.9		101	70-130			
Chlorobenzene	**51.5**	2.5	ug/m³	46.0		112	70-130			
Chloroethane	**24.3**	2.5	ug/m³	26.4		92.0	70-130			
Chloroform	**47.4**	2.5	ug/m³	48.8		97.0	70-130			
Chloromethane	**19.2**	2.5	ug/m³	20.7		92.9	70-130			
Cyclohexane	**31.6**	2.5	ug/m³	34.4		91.7	70-130			
Dibromochloromethane	**99.8**	2.5	ug/m³	85.2		117	70-130			
1,2-Dibromoethane (EDB)	**86.9**	4.0	ug/m³	76.8		113	70-130			
1,2-Dichlorobenzene	**67.5**	3.0	ug/m³	60.1		112	70-130			
1,3-Dichlorobenzene	**64.7**	3.0	ug/m³	60.1		108	70-130			
1,4-Dichlorobenzene	**65.4**	3.0	ug/m³	60.1		109	70-130			
Dichlorodifluoromethane (R12)	**20.9**	2.5	ug/m³	49.5		42.3	70-130			QL-07
1,1-Dichloroethane	**37.5**	2.5	ug/m³	40.5		92.6	70-130			
1,2-Dichloroethane (EDC)	**38.3**	2.5	ug/m³	40.5		94.6	70-130			
cis-1,2-Dichloroethylene	**37.0**	2.5	ug/m³	39.6		93.4	70-130			
1,1-Dichloroethylene	**38.0**	2.5	ug/m³	39.6		95.9	70-130			
trans-1,2-Dichloroethylene	**35.2**	2.5	ug/m³	39.6		88.8	70-130			
1,2-Dichloropropane	**48.8**	2.5	ug/m³	46.2		106	70-130			
trans-1,3-Dichloropropylene	**49.3**	2.5	ug/m³	45.4		109	70-130			
cis-1,3-Dichloropropylene	**50.7**	2.5	ug/m³	45.4		112	70-130			
Dichlorotetrafluoroethane	**50.3**	3.5	ug/m³	69.9		71.9	70-130			
1,4-Dioxane	**38.8**	2.5	ug/m³	36.0		108	70-130			
Ethyl Acetate	**31.0**	2.5	ug/m³	36.0		85.9	70-130			
Ethylbenzene	**47.5**	2.5	ug/m³	43.4		110	70-130			
4-Ethyltoluene	**63.3**	2.5	ug/m³	49.2		129	70-130			
Heptane	**42.6**	2.5	ug/m³	41.0		104	70-130			

Allen Aminian
QA/QC Manager

LABORATORY ANALYSIS RESULTS

Client: Cal Environmental
Project No: [none]
Project Name: SGI- Los Angeles 777 S. Alameda St.

AA Project No: MB2431108
Date Received: 02/29/24
Date Reported: 03/19/24

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
VOCs by GCMS EPA TO-15 (ug/m3) - Quality Control										
*Batch B4C1828 - *** DEFAULT PREP ****										
LCS (B4C1828-BS1) Continued				Prepared: 03/15/24 Analyzed: 03/16/24						
Hexachlorobutadiene	**106**	6.0	ug/m³	107		99.3	70-130			
n-Hexane	**34.6**	2.5	ug/m³	35.2		98.3	70-130			
2-Hexanone (MBK)	**45.8**	10	ug/m³	41.0		112	70-130			
Isopropanol (IPA)	**20.3**	10	ug/m³	24.6		82.5	70-130			
Methyl-tert-Butyl Ether (MTBE)	**60.4**	10	ug/m³	72.1		83.8	70-130			
Methylene Chloride	**30.0**	2.5	ug/m³	34.7		86.3	70-130			
4-Methyl-2-pentanone (MIBK)	**42.6**	10	ug/m³	41.0		104	70-130			
Naphthalene	**51.7**	2.5	ug/m³	52.4		98.7	70-130			
Propylene	**15.5**	2.5	ug/m³	17.2		90.3	70-130			
Styrene	**47.0**	2.5	ug/m³	42.6		110	70-130			
1,1,2,2-Tetrachloroethane	**72.5**	3.5	ug/m³	68.7		106	70-130			
Tetrachloroethylene (PCE)	**79.7**	3.5	ug/m³	67.9		118	70-130			
Tetrahydrofuran (THF)	**26.9**	2.5	ug/m³	29.5		91.1	70-130			
Toluene	**42.0**	2.5	ug/m³	37.7		112	70-130			
1,2,4-Trichlorobenzene	**67.8**	4.0	ug/m³	74.2		91.3	70-130			
1,1,2-Trichloroethane	**59.3**	3.0	ug/m³	54.6		109	70-130			
1,1,1-Trichloroethane	**52.4**	3.0	ug/m³	54.6		96.0	70-130			
Trichloroethylene (TCE)	**63.7**	3.0	ug/m³	53.7		119	70-130			
Trichlorofluoromethane (R11)	**58.5**	3.0	ug/m³	56.2		104	70-130			
1,1,2-Trichloro-1,2,2-trifluoroethane (R113)	**93.3**	4.0	ug/m³	76.6		122	70-130			
1,3,5-Trimethylbenzene	**52.8**	2.5	ug/m³	49.2		107	70-130			
1,2,4-Trimethylbenzene	**55.7**	2.5	ug/m³	49.2		113	70-130			
2,2,4-Trimethylpentane	**48.8**	2.5	ug/m³	46.7		104	70-130			
Vinyl acetate	**30.5**	2.5	ug/m³	35.2		86.5	70-130			
Vinyl bromide	**44.1**	2.5	ug/m³	43.7		101	70-130			
Vinyl chloride	**23.3**	2.5	ug/m³	25.6		91.2	70-130			
o-Xylene	**47.2**	2.5	ug/m³	43.4		109	70-130			
m,p-Xylenes	**93.1**	5.0	ug/m³	86.8		107	70-130			
Isobutane	**16.9**	2.5	ug/m³	23.8		70.9	70-130			
4-Isopropyltoluene	**80.6**	3.0	ug/m³	54.9		147	70-130			QL-04
1,2,3-Trichloropropane	**70.0**	3.0	ug/m³	60.3		116	70-130			

Allen Aminian
QA/QC Manager

LABORATORY ANALYSIS RESULTS

Client: Cal Environmental
Project No: [none]
Project Name: SGI- Los Angeles 777 S. Alameda St.

AA Project No: MB2431108
Date Received: 02/29/24
Date Reported: 03/19/24

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
VOCs by GCMS EPA TO-15 (ug/m3) - Quality Control										
*Batch B4C1828 - *** DEFAULT PREP ****										
LCS (B4C1828-BS1) Continued				Prepared: 03/15/24 Analyzed: 03/16/24						
Surrogate: 4-Bromofluorobenzene	*34.2*		*ug/m³*	*35.8*		*95.6*	*70-130*			
LCS Dup (B4C1828-BSD1)				Prepared: 03/15/24 Analyzed: 03/16/24						
Acetone	**23.2**	10	ug/m³	23.8		97.8	70-130	3.64	30	
Allyl chloride	**27.2**	2.5	ug/m³	31.3		87.0	70-130	1.51	30	
Benzene	**34.6**	2.5	ug/m³	31.9		108	70-130	1.21	30	
Benzyl chloride	**67.8**	2.5	ug/m³	51.8		131	70-130	3.81	30	QL-04
Bromodichloromethane	**73.2**	3.0	ug/m³	67.0		109	70-130	5.26	30	
Bromoform	**126**	5.0	ug/m³	103		122	70-130	0.826	30	
Bromomethane	**37.6**	2.5	ug/m³	38.8		96.8	70-130	4.54	30	
1,3-Butadiene	**20.3**	2.5	ug/m³	22.1		91.8	70-130	6.64	30	
2-Butanone (MEK)	**27.9**	10	ug/m³	29.5		94.6	70-130	2.79	30	
Carbon Disulfide	**29.7**	2.5	ug/m³	31.1		95.4	70-130	3.30	30	
Carbon Tetrachloride	**65.4**	3.5	ug/m³	62.9		104	70-130	2.53	30	
Chlorobenzene	**51.6**	2.5	ug/m³	46.0		112	70-130	0.0893	30	
Chloroethane	**25.4**	2.5	ug/m³	26.4		96.2	70-130	4.46	30	
Chloroform	**50.7**	2.5	ug/m³	48.8		104	70-130	6.87	30	
Chloromethane	**19.9**	2.5	ug/m³	20.7		96.4	70-130	3.70	30	
Cyclohexane	**31.7**	2.5	ug/m³	34.4		92.2	70-130	0.544	30	
Dibromochloromethane	**102**	2.5	ug/m³	85.2		120	70-130	2.11	30	
1,2-Dibromoethane (EDB)	**88.7**	4.0	ug/m³	76.8		116	70-130	2.10	30	
1,2-Dichlorobenzene	**68.3**	3.0	ug/m³	60.1		114	70-130	1.15	30	
1,3-Dichlorobenzene	**66.7**	3.0	ug/m³	60.1		111	70-130	3.02	30	
1,4-Dichlorobenzene	**68.5**	3.0	ug/m³	60.1		114	70-130	4.76	30	
Dichlorodifluoromethane (R12)	**22.8**	2.5	ug/m³	49.5		46.2	70-130	8.81	30	QL-07
1,1-Dichloroethane	**38.9**	2.5	ug/m³	40.5		96.2	70-130	3.81	30	
1,2-Dichloroethane (EDC)	**40.5**	2.5	ug/m³	40.5		100	70-130	5.55	30	
cis-1,2-Dichloroethylene	**38.7**	2.5	ug/m³	39.6		97.6	70-130	4.40	30	
1,1-Dichloroethylene	**40.4**	2.5	ug/m³	39.6		102	70-130	6.07	30	
trans-1,2-Dichloroethylene	**37.2**	2.5	ug/m³	39.6		93.9	70-130	5.58	30	
1,2-Dichloropropane	**49.8**	2.5	ug/m³	46.2		108	70-130	2.16	30	
trans-1,3-Dichloropropylene	**50.5**	2.5	ug/m³	45.4		111	70-130	2.36	30	

Allen Aminian
QA/QC Manager

LABORATORY ANALYSIS RESULTS

Client: Cal Environmental
Project No: [none]
Project Name: SGI- Los Angeles 777 S. Alameda St.

AA Project No: MB2431108
Date Received: 02/29/24
Date Reported: 03/19/24

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
VOCs by GCMS EPA TO-15 (ug/m3) - Quality Control										
*Batch B4C1828 - *** DEFAULT PREP ****										
LCS Dup (B4C1828-BSD1) Continued				Prepared: 03/15/24 Analyzed: 03/16/24						
cis-1,3-Dichloropropylene	**51.0**	2.5	ug/m³	45.4		112	70-130	0.625	30	
Dichlorotetrafluoroethane	**51.2**	3.5	ug/m³	69.9		73.2	70-130	1.79	30	
1,4-Dioxane	**44.0**	2.5	ug/m³	36.0		122	70-130	12.5	30	
Ethyl Acetate	**32.5**	2.5	ug/m³	36.0		90.2	70-130	4.88	30	
Ethylbenzene	**47.8**	2.5	ug/m³	43.4		110	70-130	0.456	30	
4-Ethyltoluene	**63.0**	2.5	ug/m³	49.2		128	70-130	0.545	30	
Heptane	**42.5**	2.5	ug/m³	41.0		104	70-130	0.385	30	
Hexachlorobutadiene	**110**	6.0	ug/m³	107		103	70-130	3.85	30	
n-Hexane	**36.0**	2.5	ug/m³	35.2		102	70-130	3.89	30	
2-Hexanone (MBK)	**46.1**	10	ug/m³	41.0		112	70-130	0.535	30	
Isopropanol (IPA)	**21.4**	10	ug/m³	24.6		87.2	70-130	5.54	30	
Methyl-tert-Butyl Ether (MTBE)	**63.1**	10	ug/m³	72.1		87.4	70-130	4.32	30	
Methylene Chloride	**31.4**	2.5	ug/m³	34.7		90.3	70-130	4.53	30	
4-Methyl-2-pentanone (MIBK)	**44.2**	10	ug/m³	41.0		108	70-130	3.49	30	
Naphthalene	**55.4**	2.5	ug/m³	52.4		106	70-130	6.75	30	
Propylene	**16.6**	2.5	ug/m³	17.2		96.2	70-130	6.33	30	
Styrene	**46.9**	2.5	ug/m³	42.6		110	70-130	0.272	30	
1,1,2,2-Tetrachloroethane	**73.4**	3.5	ug/m³	68.7		107	70-130	1.22	30	
Tetrachloroethylene (PCE)	**79.9**	3.5	ug/m³	67.9		118	70-130	0.170	30	
Tetrahydrofuran (THF)	**27.6**	2.5	ug/m³	29.5		93.6	70-130	2.71	30	
Toluene	**42.7**	2.5	ug/m³	37.7		113	70-130	1.51	30	
1,2,4-Trichlorobenzene	**67.1**	4.0	ug/m³	74.2		90.4	70-130	0.991	30	
1,1,2-Trichloroethane	**61.4**	3.0	ug/m³	54.6		113	70-130	3.52	30	
1,1,1-Trichloroethane	**54.2**	3.0	ug/m³	54.6		99.4	70-130	3.48	30	
Trichloroethylene (TCE)	**65.3**	3.0	ug/m³	53.7		122	70-130	2.42	30	
Trichlorofluoromethane (R11)	**61.1**	3.0	ug/m³	56.2		109	70-130	4.23	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (R113)	**97.2**	4.0	ug/m³	76.6		127	70-130	4.10	30	
1,3,5-Trimethylbenzene	**53.2**	2.5	ug/m³	49.2		108	70-130	0.742	30	
1,2,4-Trimethylbenzene	**57.3**	2.5	ug/m³	49.2		117	70-130	2.78	30	
2,2,4-Trimethylpentane	**49.9**	2.5	ug/m³	46.7		107	70-130	2.18	30	
Vinyl acetate	**31.9**	2.5	ug/m³	35.2		90.5	70-130	4.52	30	

Allen Aminian
QA/QC Manager

LABORATORY ANALYSIS RESULTS

Client: Cal Environmental
Project No: [none]
Project Name: SGI- Los Angeles 777 S. Alameda St.

AA Project No: MB2431108
Date Received: 02/29/24
Date Reported: 03/19/24

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
VOCs by GCMS EPA TO-15 (ug/m3) - Quality Control										
*Batch B4C1828 - *** DEFAULT PREP ****										
LCS Dup (B4C1828-BSD1) Continued				Prepared: 03/15/24 Analyzed: 03/16/24						
Vinyl bromide	**46.2**	2.5	ug/m³	43.7		106	70-130	4.75	30	
Vinyl chloride	**25.1**	2.5	ug/m³	25.6		98.0	70-130	7.19	30	
o-Xylene	**48.5**	2.5	ug/m³	43.4		112	70-130	2.72	30	
m,p-Xylenes	**93.5**	5.0	ug/m³	86.8		108	70-130	0.419	30	
Isobutane	**17.5**	2.5	ug/m³	23.8		73.6	70-130	3.74	30	
4-Isopropyltoluene	**81.7**	3.0	ug/m³	54.9		149	70-130	1.42	30	QL-04
1,2,3-Trichloropropane	**69.9**	3.0	ug/m³	60.3		116	70-130	0.172	30	
Surrogate: 4-Bromofluorobenzene	*35.5*		*ug/m³*	*35.8*		*99.2*	*70-130*			

Allen Aminian
QA/QC Manager

LABORATORY ANALYSIS RESULTS

Client:	Cal Environmental	**AA Project No:**	MB2431108
Project No:	[none]	**Date Received:**	02/29/24
Project Name:	SGI- Los Angeles 777 S. Alameda St.	**Date Reported:**	03/19/24

Special Notes

[1] = ** : Result obtained from DF=120

[2] = **a : Result obtained from DF=25

[3] = **b : Result obtained from DF=30

[4] = **c : Result obtained from DF=50

[5] = **d : Result obtained from DF=60

[6] = **e : Result obtained from DF=75

[7] = QL-02 : The recovery for this analyte is outside of the acceptance control limits for the LCS. The data was validated based on the acceptable recovery for this analyte in the LCSD.

[8] = QL-04 : The recovery for this analyte in the LCS and LCSD is marginally above the upper control limit. Since the analyte was not detected in any of the associated samples, the analytical results for this analyte are valid.

[9] = QL-06 : The recovery for this analyte in the LCS and LCSD is marginally above the upper control limit, therefore the reported concentration for this analyte may be biased high.

[10] = QL-07 : The recovery for this analyte in the LCS and LCSD is marginally below the lower control limit, therefore the reported concentration for this analyte may be biased low.

Allen Aminian
QA/QC Manager

American Analytics Air Toxics Chain-Of-Custody Record (i)

A.A. COC#: 28244

9765 Eton Ave., Chatsworth, CA 91311 Tel: 818-998-5547 Support@AmericanAnalytics.com

Page 1 Of 3

Client Information		Project Information		Sampler Information		TAT Codes
Client:	Cal Env.	Project Name:	SGI Los Angeles	Name:	Kris B.	1 = Same Day Rush
Project Manager:		Street Address:	777 S. Alameda St	Landline:		24 = 24 HR Rush
Address:		City		Cell:		48 = 48 HR Rush
		Sample Matrix Code (SMC*)	Container Code (CC*)	Email:		72 = 72 HR Rush
Landline:		AA Ambient Air	1.4L Can: 1.4			5 = 5 Day Rush
Cell:		SG Soil Gas	6L Can: 6			X = 10 Work Days (Standard)
Email:		O Other	Tedlar Bag: T			

	Client I.D.	A.A. I.D.	Can I.D.	Sample Train/Flow Controller I.D.	Start Date	Start Time	End Date	End Time	CC*	SMC*	TO-15-SIM	TO-15	TO-3	Can Vac in Hg Start	Can Vac in Hg End	Comments And Instructions
									Please Enter Codes		TAT Codes					
1	CESG1-25	4B29003-01	12232	236	2/28/24	749	2/29/24	804	1.4	SG		X		-27	-2	
2	CESG1-15	-02	4323	166		750		808				X		-28	-3	IPA as tracer
3	CESG1-15 DUP	-03	2384	166		750		808				X		-28	-3	
4	CESG3-15	-04	1548	200		823		839				X		-27	-2	
5	CESG3-25	-05	12289	171		823		838				X		-27	-2	
6	CESG2-25	-06	11027	175		900		915				X		-27	-2	
7	CESG4-25	-07	12286	235		935		949				X		-27	-2	
8	CESG5-15	-08	12272	103		1007		1023				X		-27	-2	
9	CESG5-25	-09	12288	205		1008		1027				X		-27	-2	
10	CESG6-25	-10	12219	225		1040		1053				X		-27	-2	
11	Ambient Air	-11	12297	177		1042		1056		AA		X		-27	-2	
12	CESG7-15	-12	4572	264		1112		1125		SG		X		-27	-2	'24 FEB 29 13:06
13	CESG7-25	-13	1236	182		1113		1125				X		-27	-2	
14	CESG8-25	-14	5136	105		1115		1127				X		-28	-3	
15	CESG10-25	-15	12210	169		1136		1147				X		-28	-3	

For Laboratory Use

REVIEWED

Date 3/1/24 Time 12:22

TAT 10 Days Sign:

A.A. Project No.: MB24311048/4B29003

Relinquished By	Date	Time	Received By
	2/29/24	1306	
Relinquished By	Date	Time	Received By
Relinquished By	Date	Time	Received By

Client: Total Number Of Cans Received: Number Of Cans Not Used:

☐ I, the client, scanned or photographed a copy for my records, or

AA: Please Scan and email a copy to Client ☐ Sampler ☐

Note: By relinquishing samples to American Analytics, Inc. (AA), the client agrees to pay for services requested on this chain of custody form and any additional client-requested analyses performed on this project. Charges will be according to AA's standard price list at the time of the analysis, or per valid quote or agreement with the client. Unless agreed otherwise, payment for services is due within 30 days from the date of invoice. Late payments are subject to 2% interest per month, or as allowed by law. (1) Unless the client has made a special arrangement, in writing, with AA's project manager, sample(s) will be held for up to 1 week following the submittal of results to the client. Longer sample storage times can be arranged for a fee. Clients will receive a list of delivered items (2 points) when accepting cans, gauges, & other related hardware. Please return a signed copy of the list with the chain-of-custody.

American Analytics **Air Toxics** Chain-Of-Custody Record (1)

9765 Eton Ave., Chatsworth, CA 91311 Tel: 818-998-5547 Support@AmericanAnalytics.com

A.A. COC#: 28245

Page 2 Of 2

Client Information		Project Information		Sampler Information		TAT Codes
Client:	Cal ENV.	Project Name:	SCF Los Angeles	Name:	Kris B.	1 = Same Day Rush
Project Manager:		Street Address:	777 S. Alameda St.	Landline:		24 = 24 HR Rush
Address:		City		Cell:		48 = 48 HR Rush
		Sample Matrix Code (SMC*)	Container Code (CC*)	Email:		72 = 72 HR Rush
Landline:		AA Ambient Air	1.4L Cans: 1.4			5 = 5 Day Rush
Cell:		SG Soil Gas	6L Can: 6			X = 10 Work Days (Standard)
Email:		O Other	Ted ar Bag: T			

	Client I.D.	A.A. I.D.	Can I.D.	Sample Train/Flow Controller I.D.	Start Date	Start Time	End Date	End Time	CC*	SMC*	TO-15-SIM	TO-15	TO-3	Can Vac in Hg Start	Can Vac in Hg End	Comments And Instructions
									Please Enter Codes		TAT Codes					
1	CESG9-15	4B24003 -16	6300	202	2/29/24	1138	2/29/24	1150	1.4	SG		X		-27	-3	IPA as tracer
2	CESG9-25	-17	11246	132	↓	1139	↓	1151	↓	↓		X		-27	-2	
3																
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For Laboratory Use

REVIEWED

Date 3/1/24 Time 12:22

TAT 10 Days Sign:

A.A. Project No.: MB24031108/4B24003

Relinquished By	Date	Time	Received By
	2/29/24	1306	
Relinquished By	Date	Time	Received By
Relinquished By	Date	Time	Received By

☐ I, the client, scanned or photographed a copy for my records, or

Client: Total Number Of Cans Received: Number Of Cans Not Used:

AA: Please Scan and email a copy to Client ☐ Sampler ☐

Note: By relinquishing samples to American Analytics, Inc. (AA), the client agrees to pay for services requested on this chain of custody form and any additional client-requested analyses performed on this project. Charges will be according to AA's standard price list at the time of the analysis, or per valid quote or agreement with the client. Unless agreed otherwise, payment for services is due within 30 days from the date of invoice. Late payments are subject to 2% interest per month, or as allowed by law. (1) Unless the client has made a special arrangement, in writing, with AA's project manager, sample(s) will be held for up to 1 week following the submittal of results to the client. Longer sample storage times can be arranged for a fee. Clients will receive a list of delivered items (2 copies) when accepting cans, gauges, & other related hardware. Please return a signed copy of the list with the chain-of-custody.

SOIL MANAGEMENT PLAN

Proposed Mixed-Use Redevelopment
ROW DTLA Residential Project
Portion of APN 5146-009-008
757-787 South Alameda Street
Los Angeles, California 90021

FOR

Alameda Square Owner, LLC
Atlas Capital Group, LLC
40 West 57th Street, 29th Floor,
New York, New York 10019
Attention: Dale Kim
c/o
DLA PIPER LLP (US)
550 South Hope Street, Suite 2300
Los Angeles, California 90071
Attention: Kyndra Casper / Andrew Brady

CE Job No. EV0323-3666
January 2025

30423 Canwood Street, Suite 208, Agoura Hills, CA 91301 • (818) 991-1542 • ceworks@calenviro.com

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FOR

Alameda Square Owner, LLC
Atlas Capital Group, LLC
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TABLE OF CONTENTS

Page

TEXT

1.0 INTRODUCTION 1
1.1 SITE DESCRIPTION 1
1.2 PREVIOUS WORK 1
2.0 SCOPE OF WORK 5
3.0 OVERVIEW/DESCRIPTION OF GRADING ACTIVITIES 7
4.0 SOIL MANAGEMENT AND MONITORING 7
4.1 SITE ACCESS AND PREPARATION 7
4.2 CHEMICALS OF CONCERN 8
4.3 SOIL REMOVAL AND SOIL MANAGEMENT AREAS 9
4.4 AIR MONITORING AND DUST CONTROL 9
4.5 DISPOSAL OF SOIL 11
4.6 HAUL ROUTE FOR SOIL DISPOSAL 11
4.7 SOIL IMPORT 11
4.8 SOIL SAMPLE COLLECTION 11
4.8.1 Confirmation Soil Samples 12
4.9 LABORATORY ANALYSIS 12
4.10 SOIL CONCENTRATIONS FOR AGENCY NOTIFICATIONS 14
4.11 SCHEDULE OF IMPLEMENTATION 14
4.12 REPORTING 14
5.0 PUBLIC AND WORKER HEALTH AND SAFETY 15
6.0 REFERENCES 16

ILLUSTRATIONS

Figure 1 - Vicinity Map
Figure 2 – Site Plan
Figure 3 – Redevelopment Plan
Figure 4 – Soil Management Areas

APPENDICES

I – SCAQMD Rules 403, 1166 & 1466
II – Health and Safety Plan
III – Historical Data Tables and Assessment Plans

1.0 INTRODUCTION

The following Soil Management Plan (SMP) describes the recommendations for identification and management of VOC and lead impacted soil, if encountered as part of the redevelopment project located at 757-787 South Alameda Street, 1318-1320 East 7th Street, and 746 S. Central Street (Site). The purpose of this SMP is to specify procedures to be implemented during grading, excavation, stockpiling and export of soil during future grading activities. A project specific Health and Safety Plan (HASP) associated with this SMP will govern the onsite worker and community health and safety monitoring, notification, and reporting requirements. The HASP is under development and will be completed prior to the excavation activities commencing on the Site.

1.1 SITE DESCRIPTION

The Site is located on the west side of South Alameda Street between 7th Street and Bay Street, in the City of Los Angeles, California. The street addresses for the Site are 757-787 South Alameda Street, 1318-1320 East 7th Street, and 746 S. Central Street. The Site is approximately 31.3 acres in size. According to the Los Angeles County Tax Assessor's office, the Assessor's Parcel Number (APN) for the subject property is a portion of APN 5146-009-008.

The subject property consists of approximately 10 acres of land on the east side of one (1) 20-acre irregular-shaped parcel (Subject Property). The Subject Property is associated with the ROW DTLA Site, which is located on the remainder of the parcel to the west. The Subject Property is currently developed with two (2) asphalt-paved parking lots that are bisected by Center Street. The south parking lot was constructed in approximately 1980 and the north parking lot was constructed in approximately 1989. Access to the Subject Property is via S Alameda Street to the east. The Site owner proposes to redevelop the Subject Property with three multi-story residential structures with subterranean parking garages (Project). The proposed Project is further discussed in **Section 3.0**.

1.2 PREVIOUS WORK

The following reports document the historical development of the Site and provide baseline soil and soil gas data for the Site and Subject Property. The data tables and assessment plans associated with the historical soil and soil gas testing at the property are attached in **APPENDIX III.**

McLaren Hart (MH) – *Phase I Environmental Site Assessment, Rykoff Terminal & Warehouses, 709-761 Terminal Street & 1388 East 7th Street, Los Angeles, California 90021*, dated May 1, 1997. MH prepared a Phase I ESA report for the entire ROW DTLA Site, which includes the subject property. The report was prepared pursuant to the ASTM 1S27-1994 Standard for Phase I Environmental Assessments. MH identified one REC for the subject property. The subject property was historically developed with railroad tracks, which are a potential source of soil contamination due to material spills during loading/unloading or leaks leading to hydrocarbon contamination. HM recommended conducting soil borings across the property to assess for potential contamination.

AEI Consultants (AEI), *Phase I Environmental Site Assessment, 761 Terminal Street, Los Angeles, California 90021*, dated June 25, 2004. AEI prepared a Phase I ESA report for the entire ROW DTLA Site, which includes the Subject Property. The report was prepared pursuant to the ASTM 1527-2000 Standard for Phase I Environmental Assessments. AEI identified several RECs associated with the Site. The Pacific Electric Railroad Company's operations on the Subject Property included a machine shop/blacksmith, oil house (which likely contained several AST/USTs), woodworking shop, and electrical construction facility. During the site reconnaissance a drum of PCE was observed on the first floor of the building (#4) that borders the northwest portion of the Subject Property. Historically, tenants that likely used solvents, hydrocarbons, and heavy metals were located on the Site adjacent to the west. AEI concluded that soil and groundwater testing would be required to confirm the absence or presence of subsurface contamination.

Hazardous Management Consulting (HMC), *Phase I Environmental Site Assessment, Alameda Square, Los Angeles, California*, dated February 6, 2013. HMC prepared a Phase I ESA report for the entire ROW DTLA Site, which includes the Subject Property. The report was prepared pursuant to the ASTM 1527-2005 Standard for Phase I Environmental Assessments. HMC identified the historic presence of the Pacific Electric Railway's maintenance operations on the Subject Property as a REC. HMC noted the operations most likely included the use of fuels, hydrocarbons, solvents, metals and potentially, PCBs. HMC concluded that a subsurface investigation should be conducted to assess the presence of hydrocarbons and solvents in soil gas as well as metals and PCBs that could be present in soil.

HMC, *Results of Soil and Soil Gas Sampling, 777 South Alameda Street, Los Angeles, California*, dated February 14, 2013. The assessment work included a total of 23 soil borings across the entire ROW DTLA Site. Of the 23 borings, nine (9) were located on the Subject Property. The borings on the Subject Property targeted the former machine shop and oil house located previously located on the north portion of the property, the electrical construction shop on the south portion of the Subject Property, and in background locations across the north and south parking lots. In each location one (1) soil gas sample was collected from 5 ft bgs and in five (5) locations one (1) 5 ft co-located soil sample was collected. Soil samples were analyzed for hydrocarbons, VOCs, metals, PAHs, and PCBs. Soil gas samples were analyzed for VOCs.

One (1) soil sample collected in the former machine shop on the north portion of the property detected lead at 500 mg/kg, above the current DTSC SL for lead in soil at a residential property (80 mg/kg). All other soil samples (11) were below the applicable DTSC SLs for a residential property.

All soil gas sample locations on the north portion of the Subject Property were non-detect for VOCs. Three (3) soil gas samples from the southern parking lot contained PCE at concentrations ranging from 120 ug/m^3 to 1,600 ug/m^3, which exceeds the current DTSC SL for PCE in soil gas at a residential property (460 ug/m^3). One (1) of the soil gas samples contained a concentration of benzene (120 ug/m^3) that exceeds the current DTSC SL for benzene in soil gas a residential property (97 ug/m^3). Only one (1) of the four (4) soil gas sample locations with exceedances on the southern portion of the Subject Property had a co-located soil sample. The one (1) co-located soil sample was non-detect for hydrocarbons and VOCs. The soil gas exceedances of the residential SL for PCE and benzene on the south portion of the Subject Property, and soil with lead above the residential SL on the north portion of the subject property, are considered RECs.

CBRE, *Phase I Environmental Site Assessment, LA Industrial Portfolio, 747-787 S. Alameda Street, 746 S Central Avenue, 1318-1320 E. 7th Street, 1215 E 7th Street, Las Angeles, California*, 90021, dated April 5, 2017. CBRE prepared a Phase I ESA report for the entire ROW DTLA Site, which includes the Subject Property. The report was prepared pursuant to the ASTM 1527-2013 Standard for Phase I Environmental Assessments. CBRE did not identify any RECs or CRECs in connection with the Subject Property. Several HRECs were identified in connection with removal of historical USTs from the portions of the Site to the west of the proposed development. CBRE also identified Business Environmental Risks related to the previous soil/soil gas testing conducted by HMC.

California Environmental (CalEnviro), Phase I Environmental Assessment Report, Parking Lots of ROW DTLA, Portion of APN 5146-009-008777 S. Alameda Street, Los Angeles, California 90021, dated May 2023. The report identified the Subject Property was utilized as a railway yard that included a variety of industrial operations. The former onsite industrial operations (machine shop, blast furnace, and oil storage) are considered a REC. A 2013 subsurface assessment identified concentrations of PCE and benzene in soil gas and lead in soil that exceed current regulatory screening levels for a residential property. This is considered a REC. No evidence of historical recognized environmental conditions (HREC) or controlled recognized environmental conditions (CRECs) were identified in connection with the Subject Property. The previous 2013 assessment on the Subject Property consisted of soil gas sampling at 5 feet bgs with sporadic co-located soil sampling and analysis. Based on the future development plans for residential structures including subterranean parking, CE recommended implementing an updated soil and soil gas assessment.

California Environmental, *Supplemental Soil and Soil Gas Assessment – Phase II, 777 S. Alameda Street, Los Angeles, California 90021,* dated March 2024. CE implemented a screening soil gas assessment based on the recommendations made in the May 2023 Phase I ESA for the Subject Property. CE implemented additional assessment that included sampling of soil and soil gas from ten (10) borings. Twenty-six (26) soil samples were obtained from depths of 2, 5, 10 and 15 feet and tested for TPH, VOCs and metals. Sixteen (16) soil gas samples were collected from co-located probes placed at depths of 15 and 25 feet and tested for VOCs per EPA Method TO-15.

Soil sample test results reveal that TPH and VOC concentrations were mostly non-detect or below residential clean up goals. Low concentrations of PCE (0.27-11 ug/Kg) were found in shallow soil along with low concentrations of TPH-diesel (3.8-30 mg/Kg) and TPH-oil (25-210 mg/Kg). The concentrations of heavy metals were all below residential risk levels except for one sample (CEB1-2ft) where elevated concentrations of arsenic (15.2 mg/Kg) and lead (275 mg/Kg) were detected. All other concentrations of metals detected were below their respective DTSC residential soil screening level (SL). Sample CEB1-2ft was also tested for soluble lead per methods STLC (42.4 mg/L) and TCLP (1.42 mg/L). The soil sample data confirm that the most soil to be exported during future excavation of the future subterranean basement can be classified as non-hazardous. Several locations, in particular the areas around CEB1-2 ft and HMC SG-17s, contained elevated concentrations of lead, 275 mg/Kg and 500 mg/Kg, respectively. These concentrations exceed the CalEPA residential risk level for lead of 80 mg/Kg. Solubility testing on sample CEB1-2ft indicates the soil in this area is classified as CA hazardous since the STLC concentration exceeds the limit of 5.0 mg/L.

All sixteen (16)-soil gas samples contained PCE at concentrations that ranged from 130-6,500 ug/m^3. Low concentrations of toluene, ethylbenzene, xylene, and the refrigerants R11 and R12 were also detected in soil gas. The general trend observed was the deeper soil gas probes on the south lot (25 ft) tended to have the higher concentrations of PCE, indicating an offsite release is the likely cause of impact at the Subject Property. The identified soil vapor impacts do not appear to originate from a release associated with the Subject Property. A vapor intrusion (VI) risk analysis using the current soil gas data confirms the entire footprint of the proposed residential development overlies the PCE soil gas plume that exceeds the CalEPA-DTSC guidance concentrations for evaluation of vapor intrusion (VI) into future residential structures. The primary risk driver for future VI is PCE in soil gas.

CalEnviro concluded that the removal of impacted shallow soils and the installation of a Vapor Intrusion Mitigation System (VIMS - membrane) would be the preferred method of addressing the VI risk. Since an onsite release of PCE (> residential SL) to soil was not identified, source removal activity would be unnecessary. A Soils Management Plan (SMP) and associated Health & Safety Plan (HASP) were recommended for the future grading work at the Subject Property. The VIMS recommended for the Project should include provisions for ongoing performance monitoring of the engineering control system. The soil impacts detected are considered de minimus and do not require reporting to a lead environmental enforcement agency. However, out of an abundance of caution, trigger levels of contaminant concentrations requiring agency notification are incorporated into this plan, listed below in Section 4.10.

Group Delta Consultants, Inc. (Group Delta), *Entitlement-Level Geotechnical Report, ROW DTLA Residential Project, 767 S. Alameda Street, Los Angeles, California,* dated November 6, 2024. The purpose of this investigation was to address primary geotechnical and geologic factors affecting the

Subject Property in accordance with the California Environmental Quality Act (CEQA) and to provide preliminary geotechnical design recommendations for project planning purposes. Group Delta performed a geotechnical field investigation program consisting of a visual site reconnaissance, utility locating investigation, and subsurface explorations. A total of seven (7) hollow-stem auger borings were advanced to depths of 30 to 50 feet below the existing grade. To supplement the data from the borings, eight (8) cone penetration test soundings were performed to depths of about 20 to 45 feet below the existing grade.

Existing fill soils, about 5 feet thick, were encountered in the borings. In addition, loose natural soils were encountered up to a depth of approximately 12 feet in the South Lot and to a depth of approximately 8 feet in the North Lot. Group Delta recommended that existing fill soils and loose natural soils should be over excavated and recompacted and the proposed structures may be supported on shallow foundation and the floor slab may be supported on grade. Group Delta stated excavations up to about 20 feet below the existing grade are planned for the redevelopment.

2.0 SCOPE OF WORK

California Environmental has prepared this SMP on behalf of Alameda Square Owner, LLC and Atlas Capital Group, LLC. This SMP should be implemented during future grading including within the identified soil management areas (SMAs) on the Site. A pre-grading tailgate meeting is required of the grading contractor, the project geotechnical consultant, ownership, and the environmental consultant (enviro-consultant) to manage implementation of the SMP at the Subject Property. The enviro-consultant will advise the contractor of the requirements of the SMP and the respective duties and responsibilities of the contractor. The primary purpose of the SMP is to properly identify and then manage any impacted soil encountered during grading to prepare the property for construction of the planned residential structures. The major components of the SMP are:

- Conduct pre-grading HASP tailgate meeting. Obtain all required grading and haul route permits.
- Implement the HASP for the grading work specifically within the identified SMAs. It is recommended that prior to commencement of the mass grading effort the two SMA areas be cleared of impacts (primarily elevated lead in soil).
- The enviro-consultant shall continuously monitor all slab/footing removals, uncovering and removal of subsurface utilities and soil movement activities including cutting, filling, drilling and movement

of soil within the identified SMA's at the Site. The contractor and or geotech-consultant must notify the enviro-consultant if odorous, stained, or suspect soil is encountered in other areas at the Subject Property. The enviro-consultant shall monitor and test soils if so, notified by the contractor.

- The enviro-consultant shall implement air monitoring as specified by SCAQMD Rule 1166 (control of particulate emissions from soils for VOC emissions) and Rule 1466 (control of particulate emissions from soils with toxic air contaminants, see **APPENDIX I)** during movement of soil within the identified SMAs.

- A Dust Control Supervisor trained under SCAQMD Rule 403 will be on site during all excavation and loading activities for the duration of the Project.

- VOC contaminated soil (soil which registers a concentration of 50 PPM or greater of Volatile Organic Compounds measured using a photoionization detector (PID)) identified during grading shall be segregated, stockpiled, and sampled for the presence of all chemicals of concern described in **Section 4.2**. Sampling frequency shall be at the discretion of the enviro-consultant, but not less than 4 samples per 100 cubic yards (or as required by the landfill) of suspect stockpiled soil. Impacted soil will be profiled and disposed of offsite in a proper California State licensed landfill. All stockpiles will be placed away from the fence line and as far away from residents where feasible and otherwise managed in accordance with Rule 1166 and Rule 403 (Dust Control).

- Lead contaminated soil (soil which registers a concentration of 80 PPM or greater) identified during grading shall be segregated, stockpiled, and sampled for the presence of all metals of concern described in **Section 4.2**. Sampling frequency shall be at the discretion of the enviro-consultant, but not less than 1 sample per 100 cubic yards (or as required by the landfill) of suspect stockpiled soil. Impacted soil will be profiled and disposed of offsite in a proper California State licensed landfill. All stockpiles will be placed away from the fence line and as far away from residents where feasible and otherwise managed in accordance with Rule 1166 and Rule 403 (Dust Control.

- Proper identification, management, and decommissioning of buried sub-structures (i.e., seepage pits, drums, USTs, clarifiers, septic tanks, etc.) is also required. Unknown substructures may be encountered during future grading activities. All underground tanks (USTs), clarifiers, drums, seepage pits and /or unidentified substructures found during future grading require proper management. The grading contractor must notify the enviro-consultant immediately upon uncovering any unknown substructure. The consultants will assist the contractor in the proper and safe identification of the substructure and determine what analytical tests are recommended for assessment. Permits for abandonment of regulated sub-structures must be obtained from the appropriate controlling

agencies as required. Records regarding the uncovering, mitigation, and agency permits/analytical testing associated with unknown substructures must be provided in the post-grading Completion Report.

- Prepare a project *Completion Report* that documents the required monitoring, contains scaled maps showing the location(s) and disposition of any impacted soil encountered, profiles and manifests for soil disposed offsite and lab test data that supports the soil management decisions made by the enviro-consultant.

3.0 OVERVIEW/DESCRIPTION OF GRADING ACTIVITIES

The Project proposes three (bldgs. A, B & C) eight-story mixed-use buildings, including approximately 1,000 total residential units, 1,000 parking spaces, and 6,131 square feet of retail and cafe space. Buildings A and B are planned in the south lot, while Building C is planned in the north lot.

Building A would include two levels of subterranean parking. Future Building B includes residential units on the first through eighth floors and two levels of subterranean garage. Building C includes commercial space on the first floor, residential units on the first through eighth floors, and one level of subterranean parking. The redevelopment plan is shown on the attached **Figure 3 – Redevelopment Plan.**

4.0 SOIL MANAGEMENT AND MONITORING

Soil that is displaced within the SMA's (see **Figure 4 – Soil Management Aeras**) boundaries will be managed according to the processes described in this SMP. This section specifies site access and preparation, chemicals of concern (COCs), identifies the soil management area (SMA), and describes the processes for monitoring, sampling, characterization, handling, stockpiling, and removal of soil.

4.1 SITE ACCESS AND PREPARATION

Prior to commencing work, appropriate fencing with windscreens will be placed around the Subject Property to ensure that all work areas are secure, that trespassers or unauthorized personnel do not enter the work areas, and to minimize fugitive dust emissions. Additionally, no earth-moving activities

will begin without an Underground Service Alert (USA) and identification of utilities in and around the work areas. It is recommended that a private utility locator be retained to conduct a utility survey prior to excavation activities.

4.2 CHEMICALS OF CONCERN

The preceding discussion of the historical assessment data provides the background for the identification of the chemicals of concern (COCs) to be evaluated during grading at the Subject Property. The following COCs are identified as potential contaminants of concern based on detections during the prior assessments:

- Volatile Organic Compounds – EPA Method 8260B/5035
  - Tetrachloroethylene (PCE)
  - Gas Range Organics (GRO)
- Metals – CA Title 22 Metals – EPA 6010/7400
  - Lead/Arsenic
- Total Petroleum Hydrocarbons – EPA 8015
  - TPH-Oil
  - TPH-Diesel

The following site-specific residential soil goals were obtained from soil screening goals developed by USEPA, CalEPA DTSC, and the San Francisco Regional Water Quality Control Board:

TABLE I
Site Specific Soil Goals - Residential

Compound	Site Soil Goal (mg/kg)
TPH-Oil	12,000
TPH-Diesel	260
GRO	430
PCE	0.59
Lead	80
Arsenic	≤12

DTSC HERO Human Health Risk Assessment, Note 3, DTSC-Modified Screening Levels (DTSC-SLs), June 2020 – Revised May 2022.
USEPA - Region 9, Regional Screening Levels, RSLs, November 2024.
SFRWQCB – Environmental Screening Levels, ESLs, January 2019.

The project specific Health and Safety Plan (HASP) associated with this SMP will govern the onsite worker and community health and safety monitoring, notification, and reporting requirements associated with the Site COCs. The HASP is attached as Appendix II.

4.3 SOIL REMOVAL AND SOIL MANAGEMENT AREAS

The following soil management areas (SMAs) were assigned through evaluation of prior assessment activities at the Site and review of historical information for the Site. SMA 1 is located on the southwestern portion of the northern lot. The location of SMA 1 is within a portion of the subterranean parking garage associated with Building C. SMA 2 is located within the footprint of the main lobby associated with Building A. SMA 1 & SMA 2 are shown on the attached **Figure 4 – Soil Management Areas.**

4.4 AIR MONITORING AND DUST CONTROL

Air monitoring and dust/VOC emission control measures must be implemented during all onsite-grading activities within the identified SMAs, pursuant to SCAQMD Rules 1166 and 1466, see **Appendix I**. The air monitoring and dust control measures are also further detailed in the site-specific HASP attached as **Appendix II**. Adherence to these requirements will ensure there are no adverse impacts to the community during implementation of this plan. The goal is no offsite emission of particulate matter or VOCs in ambient air because of man-made fugitive dust created by earth moving activities during the remediation work. A Dust Control Supervisor trained under SCAQMD Rule 403 will be on site during all excavation and loading activities. Periodic monitoring (15 minute) of VOC emissions, as specified by SCAQMD Rule 1166, will be implemented during excavation with in the SMAs. Continuous monitoring of metals impacted emissions, as specified by SCAQMD Rule 1466, will be implemented during excavation within the SMAs. **Vapor suppression methods such as water misting, and the use of foaming agents may be required.**

Best available control and management measures will be employed prior to, during, and after earth moving, utility/substructure removal and slab removal operations. The drainage and erosion control measures shall include the best management practices (BMPs) noted on the civil plans for the Project. The following fugitive dust emissions control measures will be employed at the site during clearing and grubbing, earth moving, soil piling, and loading activities:

Clear & Grub: Maintain stability of soil through pre-watering of site prior to clearing and grubbing. Apply water in sufficient quantities to prevent generation of fugitive dust plumes. If necessary, a soil binder shall be applied to a freshly excavated area at the end of each

working day. Implement required best management practices for storm water management.

Earth-moving: Pre-apply water to the depth of proposed cuts; and re-apply water as necessary to maintain soils in a damp condition and to ensure that visible emissions do not exceed 100 feet in any direction. Stabilize soils once earth-moving activities are completed. Odor and vapor suppression activities will conform to the HASP document.

Soil Piling: Apply water to stabilize temporary soil piles. Maintain soil piles to avoid steep sides or faces. Piles of suspect impacted soil within 100 yards of off-site occupied buildings must not be greater than eight (8) feet in height; or must have a road bladed to the top to allow water truck access; or must have an operational water irrigation system that is capable of complete stockpile coverage. Piles of suspect impacted soil will not exceed 400 cubic yards of soil. Piles of suspect impacted soil will be covered with plastic sheeting at the end of each workday and will be located a minimum of 50 feet from any concentrated flow of stormwater, drainage courses, and inlets. All stockpiles will be placed away from the fence line and as far away as practicable from residents where feasible.

Loading: Truck loading of impacted soil to occur in designated containment areas that have dust control and lined soil spill control areas. The soil loading and spill control areas will be maintained clean daily. All soil will be pre-watered prior to loading. The free fall of soil from the loader into the truck bed will be minimized to prevent dust emissions. Empty loader bucket such that no visible dust plumes are created and ensure that the loader bucket is close to the truck to minimize drop height while loading. The loaded trucks will have freeboard space above the top of the load of at least six (6) inches. Limit the size of staging area and limit the number and size of staging area entrances and exits. Apply water to stabilize the staging area during use and at project completion.

General: A water truck or water access will be available on site for the duration of the project. Water hoses will also be available for dust suppression. Barriers can be used to ensure vehicles are only on established haul routes and parking areas. Use tarps on all haul trucks. Dust emission will be further suppressed by placing crushed rock (stabilized construction entrance with shaker plates) on the ingress and egress routes from the site. The street area will be swept with a wet-vacuum sweeper as necessary. Haul truck tires will be brushed and cleaned as necessary to prevent tracking of soil offsite.

4.5 DISPOSAL OF SOIL

All impacted soil removed from the Subject Property will be properly profiled, manifested, and disposed of offsite in a California State licensed landfill in accordance with applicable regulatory requirements.

4.6 HAUL ROUTE FOR SOIL DISPOSAL

The haul route will be determined based on the location of the landfill. Trucks will be required to follow the designated haul route required by the City of Los Angeles. All trucks loaded with soil will drive over shaker plates to remove excess soil from the tires and under-carriage of the truck. Each truck leaving the site will carry a completed waste manifest.

4.7 SOIL IMPORT

If soil is imported to the site, it will be evaluated pursuant to DTSC Advisory on Clean Imported Fill Material (2001). One (1) sample of imported soil will be collected per every 250 cubic yards imported. A Phase I Environmental Assessment report provided by the owner(s) of the proposed soil import site(s), prepared per the requirements outlined in ASTM 1527-2013/2021, should be provided to Alameda Square Owner LLC, Atlas Capital Group LLC, and the project environmental consultant for review and approval prior to import of the soil. The imported soil should be tested as described in **Section 4.2**. Imported fill will be compacted as directed by the project geotechnical engineer.

4.8 SOIL SAMPLE COLLECTION AND FIELD SCREENING

Soil will be field screened for lead using a handheld calibrated XRF analyzer. XRF instrument calibration will be conducted at the beginning and end of each workday. Field XRF readings for lead will guide the excavation and stockpiling process, within the outlined SMAs. Laboratory confirmation samples will be required on the base and sidewalls of the excavation to confirm removal to residential goals. The soil will be segregated and stockpiled as either; 1) lead/arsenic below site specific soil goals and suitable for onsite reuse; 2) soil that exceeds site specific soil goals but below hazardous waste concentrations for disposal or cover at a landfill; or 3) soil that exceeds hazardous waste criteria (total lead ≥ 1,000 mg/kg or soluble lead STLC/TCLP ≥ 5 mg/L). Confirmation soil samples will be sent to a state certified lab to confirm field XRF data. Sampling frequency shall be at the discretion of the enviro-consultant but not less than 1 sample per 100 cubic yards of excavated soil.

Soil samples for lead and TPH will be collected by placing freshly exposed soil in appropriately preserved containers, such as lab supplied sterile 4-ounce jars. Soil samples for GRO and VOC analysis will be collected in accordance with EPA method 5035, by pushing a sampling device into the freshly exposed soil surface. The soil cores will be placed directly into laboratory provided 40 ml VOAs (3), containing preservatives (as required by the state accredited lab). Samples will then be placed in a cooler chilled with ice.

All sampling equipment will be decontaminated using a brush and tap water rinse followed by a brush and TSP solution (non-phosphate soap), a tap water rinse, and a deionized water rinse. All sampling equipment will be dried by air or with a towel prior to sampling. Disposable latex gloves and Ziploc bags will be used to prevent cross contamination of the samples.

The consultant or a courier will transport the soil samples, following chain of custody procedures, to a state certified laboratory. The soil sample analysis turnaround time (TAT) will be determined by the needs of the contractor.

4.8.1 Confirmation Soil Samples

Confirmation soil samples will be collected at the base and sidewalls (on a 10-20 foot grid) of the SMA excavations, and any other impacted soil encountered during grading. The locations of the confirmation soil samples will be determined in the field by the project environmental consultant. The collection of additional soil samples during site grading activities may be warranted based on field observations by the enviro-consultant. The confirmation soil sample analyses are detailed in **Section 4.2**. Excavations will not be backfilled until the results of the confirmation soil samples have been reviewed unless the project geotechnical engineer has determined the excavation to be "at-risk."

4.9 LABORATORY ANALYSIS

Soil samples for excavated soil characterization-profiling will be tested for the following constituents:

- Metals (CA Title 22 Metals – Lead only)
- VOCs – Volatile Organic Compounds w/ GRO (EPA Method 8260B/5035)
- TPH – Total Petroleum Hydrocarbons (EPA Method 8015M)

Soil considered for reuse as backfill will be tested for the following constituents:

- VOCs - Volatile Organic Compounds (EPA Methods 8260B/5035)

- TPH - Total Petroleum Hydrocarbons (EPA Method 8015M)
- Heavy Metals including Lead (EPA Methods 6010B and 7471A)

Based on the source area, imported soil will be tested for the following minimum constituents at a frequency as listed below:

Up to 1,000 cubic yards	1 sample per 250 cubic yards
1,000 to 5,000 cubic yards	4 samples for first 1000 cubic yards +1 sample per each additional 500 cubic yards
Greater than 5,000 cubic yards	12 samples for first 5,000 cubic yards + 1 sample per each additional 1,000 cubic yards

- Imported from land near an existing freeway
  - Lead (EPA Methods 6010B or 7471A)
  - PAHs - Polycyclic Aromatic Hydrocarbons (EPA Method 8310)
- Imported from land near a mining or rock quarry
  - Heavy Metals (EPA Methods 6010B or 7471A)
  - Asbestos (Polarized light microscopy) and pH
- Imported from agricultural land
  - Organochlorine Pesticides (EPA Methods 8081A or 8080A)
  - Organophosphorus Pesticides (EPA Method 8141A)
  - Chlorinated Herbicides (EPA Method 8151A)
  - Heavy Metals (EPA Methods 6010B or 7471A)
- Imported from residential/acceptable commercial land
  - VOCs - Volatile Organic Compounds (EPA Methods 8021 or 8260B/5035)
  - SVOCs - Semi-volatile Organic Compounds (EPA Method 8270C)
  - TPH - Total Petroleum Hydrocarbons (EPA Method 8015M)
  - PCBs - Polychlorinated Biphenyls (EPA Methods 8082 or 8080A)
  - Heavy Metals including Lead (EPA Methods 6010B and 7471A)

The sample analysis turn-around time will be dependent upon the urgency of the sample results at the time of collection.

4.10 SOIL CONCENTRATION TRIGGERS FOR AGENCY NOTIFICATION

The following site-specific soil concentration triggers for future agency notification were obtained from soil screening goals developed by USEPA, CalEPA DTSC, and the Regional Water Quality Control Board. Agency notifications will be made for widespread occurrences of these constituents that represent a significant threat to human health and/or the environment (considered a reportable release). Detections to date (sporadic low concentrations of lead/arsenic/TPH) are deemed de minimus not requiring agency notification.

TABLE II
Triggers for Agency Notification

COCs	Trigger Concentration (mg/kg)
TPH – Oil	>12000
TPH – Diesel	>260
VOC – GRO	>430
VOC – PCE	>0.59
Metals – Lead	>80

DTSC HERO Human Health Risk Assessment, Note 3, DTSC-Modified Screening Levels (DTSC-SLs), June 2020 – Revised May 2022.
USEPA - Region 9, Regional Screening Levels, RSLs, November 2024.
SFRWQCB – Environmental Screening Levels, ESLs, January 2019.

4.11 SCHEDULE OF IMPLEMENTATION

The implementation schedule of onsite activities associated with this SMP is to be determined, but it will be implemented and commenced prior to the initiation of any site preparation or grading activity.

4.12 REPORTING

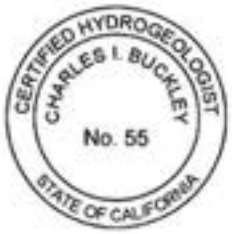
A project Completion Report will be prepared that documents the required monitoring, contains scaled maps showing the location(s) and disposition of the impacted soil encountered, profiles and manifests for soil disposed offsite and lab test data that supports the soil management decisions made by the enviro-consultant.

5.0 PUBLIC AND WORKER HEALTH AND SAFETY

The HASP is attached as Appendix II. The HASP provides the specifications for the minimum training required for all personnel involved in earth moving activities at the subject property. All required notifications will be provided of the chemical and physical hazards known to be associated with soil management activities addressed in the SMP/HASP.

Should you have any questions or desire any additional information, please contact the undersigned.

Respectfully submitted,



Charles I. Buckley
Professional Geologist No. 4035
Certified Engineering Geologist No. 1250
Certified Hydrogeologist No. 55

6.0 REFERENCES

1. Department of Toxic Substances Control, *Information Advisory Clean Imported Fill Material*, October 2001.

2. McLaren Hart (MH) – Phase I Environmental Site Assessment, Rykoff Terminal & Warehouses, 709-761 Terminal Street & 1388 East 7th Street, Los Angeles, California 90021, dated May 1, 1997

3. AEI Consultants (AEI), Phase I Environmental Site Assessment, 761 Terminal Street, Los Angeles, California 90021, dated June 25, 2004.

4. Hazardous Management Consulting (HMC), Phase I Environmental Site Assessment, Alameda Square, Los Angeles, California, dated February 6, 2013.

5. HMC, Results of Soil and Soil Gas Sampling, 777 South Alameda Street, Los Angeles, California, dated February 14, 2013.

6. CBRE, Phase I Environmental Site Assessment, LA Industrial Portfolio, 747-787 S. Alameda Street, 746 S Central Avenue, 1318-1320 E. 7th Street, 1215 E 7th Street, Los Angeles, California, 90021, dated April 5, 2017.

7. CalEnviro, Phase I Environmental Assessment Report, Parking Lots of ROW DTLA, Portion of APN 5146-009-008777 S. Alameda Street, Los Angeles, California 90021, dated May 2023.

8. California Environmental, *Supplemental Soil and Soil Gas Assessment – Phase II, 777 S. Alameda Street, Los Angeles, California 90021,* dated March 2024.

9. Group Delta Consultants, Inc. (Group Delta), *Entitlement-Level Geotechnical Report, ROW DTLA Residential Project, 767 S. Alameda Street, Los Angeles, California,* dated November 6, 2024.

10. Department of Toxic Substance Control, HERO Human Health Risk Assessment, Note 3, DTSC-Modified Screening Levels (DTSC-SLs), June 2020 – Revised May 2022.

11. United States Environmental Protection Agency - Region 9, Regional Screening Levels, RSLs, May 2022.

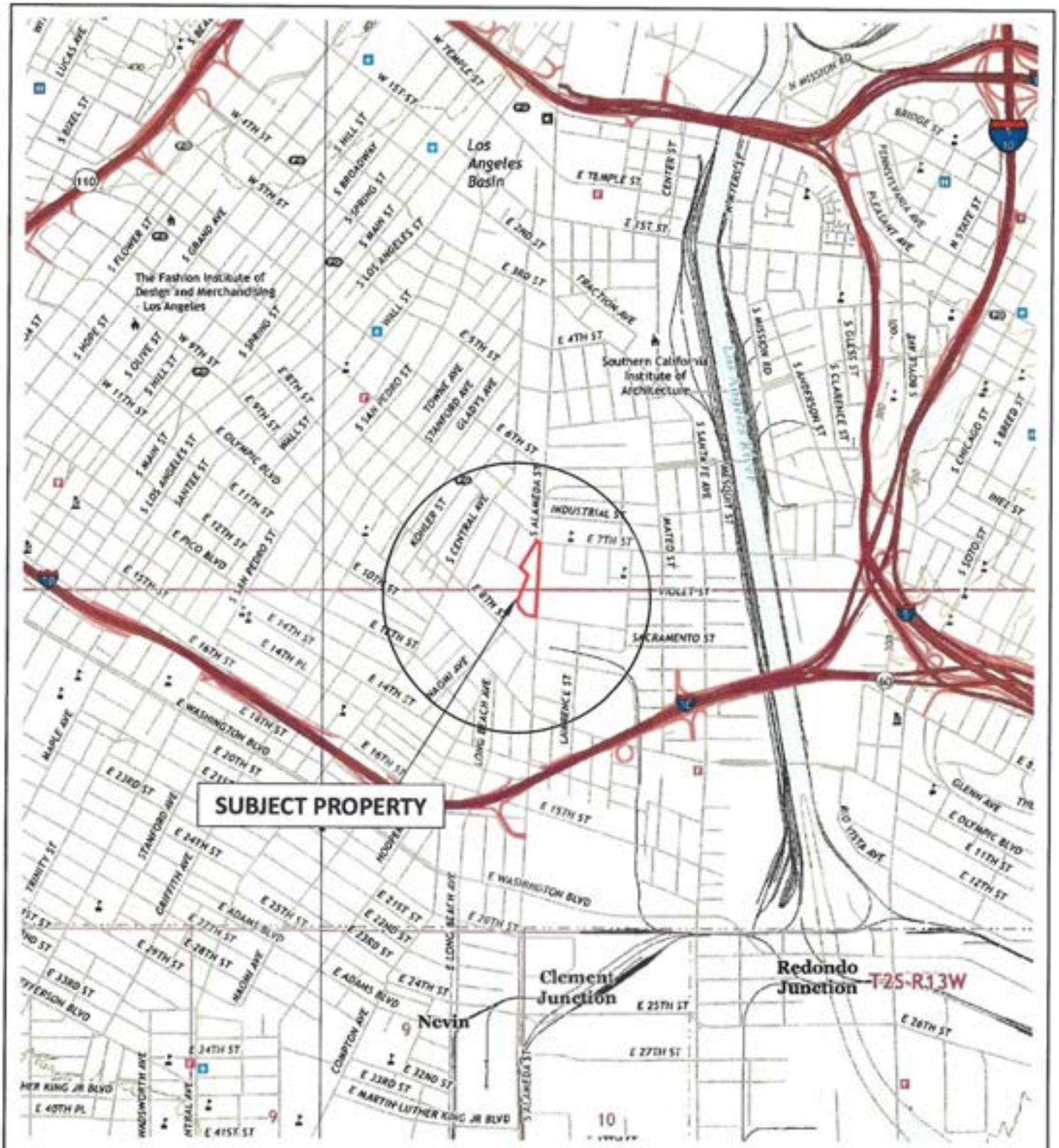
12. San Francisco Regional Water Quality Control Board – Environmental Screening Levels, ESLs, January 2019.

13. LARWQCB, SFRWQCB, & Cal-EPA DTSC, Active Soil Gas Investigation Advisory, July 2015.

14. DTSC and California State Water Resources Control Board, *Final Draft Supplemental Guidance: Screening and Evaluating Vapor Intrusion*, February 2023.

ILLUSTRATIONS

Figure 1 - Vicinity Map
Figure 2 - Site Plan
Figure 3 – Redevelopment Plan
Figure 4 - Soil Management Areas



CalEnviro
geologists & engineers

FIGURE 1 - VICINITY MAP
777 S. Alameda Street,
Los Angeles, California

Drawn By: RTB	Job # EV0323-3666
Checked By: CIB	Date: March 2025

Scale
0 1000 2000 ft.
1 inch = 2000 feet

N
W E
S

References: USGS 7.5' Los Angeles Topographic Quadrangle, 2018



Figure 2 - Site Plan

California Environmental			
Client	Atlas Capital Group, LLC c/o DLA Piper	Job #	EV0323-3666
Location	777 S. Alameda Street	By	RTB
Date	March 2025	Checked By	CIB

References: Google Earth



Figure 3 - Redevelopment Plan

California Environmental		
Client: Atlas Capital Group, LLC c/o DLA Piper	Job #:	EV0523-3666
Location: 777 S. Alameda Street	By:	RTB
Date: March 2025	Checked By:	OB

Reference: KFA_ATLAS ROW | N & S LOTS, OVERALL FIRST FLOOR PLAN - AG10 2024/03/13



Figure 4 - Soil Management Areas

References: Google Earth

California Environmental			
Client	Atlas Capital Group, LLC c/o DLA Piper	Job #	EV0323-3666
Location	777 S. Alameda Street	By	RTB
Date	March 2025	Checked By	CIB

APPENDIX I

SCAQMD Rules 403, 1166, & 1466

(Adopted May 7, 1976) (Amended November 6, 1992)
(Amended July 9, 1993) (Amended February 14, 1997)
(Amended December 11, 1998)(Amended April 2, 2004)
(Amended June 3, 2005)

RULE 403. FUGITIVE DUST

(a) Purpose

The purpose of this Rule is to reduce the amount of particulate matter entrained in the ambient air as a result of anthropogenic (man-made) fugitive dust sources by requiring actions to prevent, reduce or mitigate fugitive dust emissions.

(b) Applicability

The provisions of this Rule shall apply to any activity or man-made condition capable of generating fugitive dust.

(c) Definitions

(1) ACTIVE OPERATIONS means any source capable of generating fugitive dust, including, but not limited to, earth-moving activities, construction/demolition activities, disturbed surface area, or heavy- and light-duty vehicular movement.

(2) AGGREGATE-RELATED PLANTS are defined as facilities that produce and / or mix sand and gravel and crushed stone.

(3) AGRICULTURAL HANDBOOK means the region-specific guidance document that has been approved by the Governing Board or hereafter approved by the Executive Officer and the U.S. EPA. For the South Coast Air Basin, the Board-approved region-specific guidance document is the Rule 403 Agricultural Handbook dated December 1998. For the Coachella Valley, the Board-approved region-specific guidance document is the Rule 403 Coachella Valley Agricultural Handbook dated April 2, 2004.

(4) ANEMOMETERS are devices used to measure wind speed and direction in accordance with the performance standards, and maintenance and calibration criteria as contained in the most recent Rule 403 Implementation Handhook.

(5) BEST AVAILABLE CONTROL MEASURES means fugitive dust control actions that are set forth in Table I of this Rule.

(6) BULK MATERIAL is sand, gravel, soil, aggregate material less than two inches in length or diameter, and other organic or inorganic particulate matter.

(7) CEMENT MANUFACTURING FACILITY is any facility that has a cement kiln at the facility.

(8) CHEMICAL STABILIZERS are any non-toxic chemical dust suppressant which must not be used if prohibited for use by the Regional Water Quality Control Boards, the California Air Resources Board, the U.S. Environmental Protection Agency (U.S. EPA), or any applicable law, rule or regulation. The chemical stabilizers shall meet any specifications, criteria, or tests required by any federal, state, or local water agency. Unless otherwise indicated, the use of a non-toxic chemical stabilizer shall be of sufficient concentration and application frequency to maintain a stabilized surface.

(9) COMMERCIAL POULTRY RANCH means any building, structure, enclosure, or premises where more than 100 fowl are kept or maintained for the primary purpose of producing eggs or meat for sale or other distribution.

(10) CONFINED ANIMAL FACILITY means a source or group of sources of air pollution at an agricultural source for the raising of 3,360 or more fowl or 50 or more animals, including but not limited to, any structure, building, installation, farm, corral, coop, feed storage area, milking parlor, or system for the collection, storage, or distribution of solid and liquid manure; if domesticated animals, including horses, sheep, goats, swine, beef cattle, rabbits, chickens, turkeys, or ducks are corralled, penned, or otherwise caused to remain in restricted areas for commercial agricultural purposes and feeding is by means other than grazing.

(11) CONSTRUCTION/DEMOLITION ACTIVITIES means any on-site mechanical activities conducted in preparation of, or related to, the building, alteration, rehabilitation, demolition or improvement of property, including, but not limited to the following activities: grading, excavation, loading, crushing, cutting, planing, shaping or ground breaking.

(12) CONTRACTOR means any person who has a contractual arrangement to conduct an active operation for another person.

(13) DAIRY FARM is an operation on a property, or set of properties that are contiguous or separated only by a public right-of-way, that raises cows or

produces milk from cows for the purpose of making a profit or for a livelihood. Heifer and calf farms are dairy farms.

(14) DISTURBED SURFACE AREA means a portion of the earth's surface which has been physically moved, uncovered, destabilized, or otherwise modified from its undisturbed natural soil condition, thereby increasing the potential for emission of fugitive dust. This definition excludes those areas which have:

(A) been restored to a natural state, such that the vegetative ground cover and soil characteristics are similar to adjacent or nearby natural conditions;

(B) been paved or otherwise covered by a permanent structure; or

(C) sustained a vegetative ground cover of at least 70 percent of the native cover for a particular area for at least 30 days.

(15) DUST SUPPRESSANTS are water, hygroscopic materials, or non-toxic chemical stabilizers used as a treatment material to reduce fugitive dust emissions.

(16) EARTH-MOVING ACTIVITIES means the use of any equipment for any activity where soil is being moved or uncovered, and shall include, but not be limited to the following: grading, earth cutting and filling operations, loading or unloading of dirt or bulk materials, adding to or removing from open storage piles of bulk materials, landfill operations, weed abatement through disking, and soil mulching.

(17) DUST CONTROL SUPERVISOR means a person with the authority to expeditiously employ sufficient dust mitigation measures to ensure compliance with all Rule 403 requirements at an active operation.

(18) FUGITIVE DUST means any solid particulate matter that becomes airborne, other than that emitted from an exhaust stack, directly or indirectly as a result of the activities of any person.

(19) HIGH WIND CONDITIONS means that instantaneous wind speeds exceed 25 miles per hour.

(20) INACTIVE DISTURBED SURFACE AREA means any disturbed surface area upon which active operations have not occurred or are not expected to occur for a period of 20 consecutive days.

(21) LARGE OPERATIONS means any active operations on property which contains 50 or more acres of disturbed surface area; or any earth-moving operation with a daily earth-moving or throughput volume of 3,850 cubic

meters (5,000 cubic yards) or more three times during the most recent 365-day period.

(22) OPEN STORAGE PILE is any accumulation of bulk material, which is not fully enclosed, covered or chemically stabilized, and which attains a height of three feet or more and a total surface area of 150 or more square feet.

(23) PARTICULATE MATTER means any material, except uncombined water, which exists in a finely divided form as a liquid or solid at standard conditions.

(24) PAVED ROAD means a public or private improved street, highway, alley, public way, or easement that is covered by typical roadway materials, but excluding access roadways that connect a facility with a public paved roadway and are not open to through traffic. Public paved roads are those open to public access and that are owned by any federal, state, county, municipal or any other governmental or quasi-governmental agencies. Private paved roads are any paved roads not defined as public.

(25) PM_{10} means particulate matter with an aerodynamic diameter smaller than or equal to 10 microns as measured by the applicable State and Federal reference test methods.

(26) PROPERTY LINE means the boundaries of an area in which either a person causing the emission or a person allowing the emission has the legal use or possession of the property. Where such property is divided into one or more sub-tenancies, the property line(s) shall refer to the boundaries dividing the areas of all sub-tenancies.

(27) RULE 403 IMPLEMENTATION HANDBOOK means a guidance document that has been approved by the Governing Board on April 2, 2004 or hereafter approved by the Executive Officer and the U.S. EPA.

(28) SERVICE ROADS are paved or unpaved roads that are used by one or more public agencies for inspection or maintenance of infrastructure and which are not typically used for construction-related activity.

(29) SIMULTANEOUS SAMPLING means the operation of two PM_{10} samplers in such a manner that one sampler is started within five minutes of the other, and each sampler is operated for a consecutive period which must be not less than 290 minutes and not more than 310 minutes.

(30) SOUTH COAST AIR BASIN means the non-desert portions of Los Angeles, Riverside, and San Bernardino counties and all of Orange

County as defined in California Code of Regulations, Title 17, Section 60104. The area is bounded on the west by the Pacific Ocean, on the north and east by the San Gabriel, San Bernardino, and San Jacinto Mountains, and on the south by the San Diego county line.

(31) STABILIZED SURFACE means any previously disturbed surface area or open storage pile which, through the application of dust suppressants, shows visual or other evidence of surface crusting and is resistant to wind-driven fugitive dust and is demonstrated to be stabilized. Stabilization can be demonstrated by one or more of the applicable test methods contained in the Rule 403 Implementation Handbook.

(32) TRACK-OUT means any bulk material that adheres to and agglomerates on the exterior surface of motor vehicles, haul trucks, and equipment (including tires) that have been released onto a paved road and can be removed by a vacuum sweeper or a broom sweeper under normal operating conditions.

(33) TYPICAL ROADWAY MATERIALS means concrete, asphaltic concrete, recycled asphalt, asphalt, or any other material of equivalent performance as determined by the Executive Officer, and the U.S. EPA.

(34) UNPAVED ROADS means any unsealed or unpaved roads, equipment paths, or travel ways that are not covered by typical roadway materials. Public unpaved roads are any unpaved roadway owned by federal, state, county, municipal or other governmental or quasi-governmental agencies. Private unpaved roads are all other unpaved roadways not defined as public.

(35) VISIBLE ROADWAY DUST means any sand, soil, dirt, or other solid particulate matter which is visible upon paved road surfaces and which can be removed by a vacuum sweeper or a broom sweeper under normal operating conditions.

(36) WIND-DRIVEN FUGITIVE DUST means visible emissions from any disturbed surface area which is generated by wind action alone.

(37) WIND GUST is the maximum instantaneous wind speed as measured by an anemometer.

(d) Requirements

(1) No person shall cause or allow the emissions of fugitive dust from any active operation, open storage pile, or disturbed surface area such that:

(A) the dust remains visible in the atmosphere beyond the property line of the emission source; or

(B) the dust emission exceeds 20 percent opacity (as determined by the appropriate test method included in the Rule 403 Implementation Handbook), if the dust emission is the result of movement of a motorized vehicle.

(2) No person shall conduct active operations without utilizing the applicable best available control measures included in Table 1 of this Rule to minimize fugitive dust emissions from each fugitive dust source type within the active operation.

(3) No person shall cause or allow PM_{10} levels to exceed 50 micrograms per cubic meter when determined, by simultaneous sampling, as the difference between upwind and downwind samples collected on high-volume particulate matter samplers or other U.S. EPA-approved equivalent method for PM_{10} monitoring. If sampling is conducted, samplers shall be:

(A) Operated, maintained, and calibrated in accordance with 40 Code of Federal Regulations (CFR), Part 50, Appendix J, or appropriate U.S. EPA-published documents for U.S. EPA-approved equivalent method(s) for PM_{10}.

(B) Reasonably placed upwind and downwind of key activity areas and as close to the property line as feasible, such that other sources of fugitive dust between the sampler and the property line are minimized.

(4) No person shall allow track-out to extend 25 feet or more in cumulative length from the point of origin from an active operation. Notwithstanding the preceding, all track-out from an active operation shall be removed at the conclusion of each workday or evening shift.

(5) No person shall conduct an active operation with a disturbed surface area of five or more acres, or with a daily import or export of 100 cubic yards or more of bulk material without utilizing at least one of the measures listed in subparagraphs (d)(5)(A) through (d)(5)(E) at each vehicle egress from the site to a paved public road.

(A) Install a pad consisting of washed gravel (minimum-size: one inch) maintained in a clean condition to a depth of at least six inches and extending at least 30 feet wide and at least 50 feet long.

(B) Pave the surface extending at least 100 feet and at least 20 feet wide.

(C) Utilize a wheel shaker/wheel spreading device consisting of raised dividers (rails, pipe, or grates) at least 24 feet long and 10 feet wide to remove bulk material from tires and vehicle undercarriages before vehicles exit the site.

(D) Install and utilize a wheel washing system to remove bulk material from tires and vehicle undercarriages before vehicles exit the site.

(E) Any other control measures approved by the Executive Officer and the U.S. EPA as equivalent to the actions specified in subparagraphs (d)(5)(A) through (d)(5)(D).

(6) Beginning January 1, 2006, any person who operates or authorizes the operation of a confined animal facility subject to this Rule shall implement the applicable conservation management practices specified in Table 4 of this Rule.

(e) Additional Requirements for Large Operations

(1) Any person who conducts or authorizes the conducting of a large operation subject to this Rule shall implement the applicable actions specified in Table 2 of this Rule at all times and shall implement the applicable actions specified in Table 3 of this Rule when the applicable performance standards can not be met through use of Table 2 actions; and shall:

(A) submit a fully executed Large Operation Notification (Form 403 N) to the Executive Officer within 7 days of qualifying as a large operation;

(B) include, as part of the notification, the name(s), address(es), and phone number(s) of the person(s) responsible for the submittal, and a description of the operation(s), including a map depicting the location of the site;

(C) maintain daily records to document the specific dust control actions taken, maintain such records for a period of not less than three years; and make such records available to the Executive Officer upon request;

(D) install and maintain project signage with project contact signage that meets the minimum standards of the Rule 403 Implementation Handbook, prior to initiating any earthmoving activities;

(E) identify a dust control supervisor that:

(i) is employed by or contracted with the property owner or developer;

(ii) is on the site or available on-site within 30 minutes during working hours;

(iii) has the authority to expeditiously employ sufficient dust mitigation measures to ensure compliance with all Rule requirements;

(iv) has completed the AQMD Fugitive Dust Control Class and has been issued a valid Certificate of Completion for the class; and

(F) notify the Executive Officer in writing within 30 days after the site no longer qualifies as a large operation as defined by paragraph (c)(18).

(2) Any Large Operation Notification submitted to the Executive Officer or AQMD-approved dust control plan shall be valid for a period of one year from the date of written acceptance by the Executive Officer. Any Large Operation Notification accepted pursuant to paragraph (e)(1), excluding those submitted by aggregate-related plants and cement manufacturing facilities must be resubmitted annually by the person who conducts or authorizes the conducting of a large operation, at least 30 days prior to the expiration date, or the submittal shall no longer be valid as of the expiration date. If all fugitive dust sources and corresponding control measures or special circumstances remain identical to those identified in the previously accepted submittal or in an AQMD-approved dust control plan, the resubmittal may be a simple statement of no-change (Form 403NC).

(f) Compliance Schedule

The newly amended provisions of this Rule shall become effective upon adoption. Pursuant to subdivision (e), any existing site that qualifies as a large operation will have 60 days from the date of Rule adoption to comply with the notification and recordkeeping requirements for large operations. Any Large Operation

Notification or AQMD-approved dust control plan which has been accepted prior to the date of adoption of these amendments shall remain in effect and the Large Operation Notification or AQMD-approved dust control plan annual resubmittal date shall be one year from adoption of this Rule amendment.

(g) Exemptions

(1) The provisions of this Rule shall not apply to:

(A) Dairy farms.

(B) Confined animal facilities provided that the combined disturbed surface area within one continuous property line is one acre or less.

(C) Agricultural vegetative crop operations provided that the combined disturbed surface area within one continuous property line and not separated by a paved public road is 10 acres or less.

(D) Agricultural vegetative crop operations within the South Coast Air Basin, whose combined disturbed surface area includes more than 10 acres provided that the person responsible for such operations:

(i) voluntarily implements the conservation management practices contained in the Rule 403 Agricultural Handbook;

(ii) completes and maintains the self-monitoring form documenting sufficient conservation management practices, as described in the Rule 403 Agricultural Handbook; and

(iii) makes the completed self-monitoring form available to the Executive Officer upon request.

(E) Agricultural vegetative crop operations outside the South Coast Air Basin whose combined disturbed surface area includes more than 10 acres provided that the person responsible for such operations:

(i) voluntarily implements the conservation management practices contained in the Rule 403 Coachella Valley Agricultural Handbook; and

(ii) completes and maintains the self-monitoring form documenting sufficient conservation management practices, as described in the Rule 403 Coachella Valley Agricultural Handbook; and

(iii) makes the completed self-monitoring form available to the Executive Officer upon request.

(F) Active operations conducted during emergency life-threatening situations, or in conjunction with any officially declared disaster or state of emergency.

(G) Active operations conducted by essential service utilities to provide electricity, natural gas, telephone, water and sewer during periods of service outages and emergency disruptions.

(H) Any contractor subsequent to the time the contract ends, provided that such contractor implemented the required control measures during the contractual period.

(I) Any grading contractor, for a phase of active operations, subsequent to the contractual completion of that phase of earth-moving activities, provided that the required control measures have been implemented during the entire phase of earth-moving activities, through and including five days after the final grading inspection.

(J) Weed abatement operations ordered by a county agricultural commissioner or any state, county, or municipal fire department, provided that:

(i) mowing, cutting or other similar process is used which maintains weed stubble at least three inches above the soil; and

(ii) any discing or similar operation which cuts into and disturbs the soil, where watering is used prior to initiation of these activities, and a determination is made by the agency issuing the weed abatement order that, due to fire hazard conditions, rocks, or other physical obstructions, it is not practical to meet the conditions specified in clause (g)(1)(H)(i). The provisions this clause shall not exempt the owner of any property from stabilizing, in accordance with paragraph (d)(2), disturbed surface areas which have been created as a result of the weed abatement actions.

(K) sandblasting operations.

(2) The provisions of paragraphs (d)(1) and (d)(3) shall not apply:

(A) When wind gusts exceed 25 miles per hour, provided that:

(i) The required Table 3 contingency measures in this Rule are implemented for each applicable fugitive dust source type, and;

(ii) records are maintained in accordance with subparagraph (e)(1)(C).

(B) To unpaved roads, provided such roads:

(i) are used solely for the maintenance of wind-generating equipment; or

(ii) are unpaved public alleys as defined in Rule 1186; or

(iii) are service roads that meet all of the following criteria:

(a) are less than 50 feet in width at all points along the road;

(b) are within 25 feet of the property line; and

(c) have a traffic volume less than 20 vehicle-trips per day.

(C) To any active operation, open storage pile, or disturbed surface area for which necessary fugitive dust preventive or mitigative actions are in conflict with the federal Endangered Species Act, as determined in writing by the State or federal agency responsible for making such determinations.

(3) The provisions of (d)(2) shall not apply to any aggregate-related plant or cement manufacturing facility that implements the applicable actions specified in Table 2 of this Rule at all times and shall implement the applicable actions specified in Table 3 of this Rule when the applicable performance standards of paragraphs (d)(1) and (d)(3) can not be met through use of Table 2 actions.

(4) The provisions of paragraphs (d)(1), (d)(2), and (d)(3) shall not apply to:

(A) Blasting operations which have been permitted by the California Division of Industrial Safety; and

(B) Motion picture, television, and video production activities when dust emissions are required for visual effects. In order to obtain this exemption, the Executive Officer must receive notification in writing at least 72 hours in advance of any such activity and no nuisance results from such activity.

(5) The provisions of paragraph (d)(3) shall not apply if the dust control actions, as specified in Table 2, are implemented on a routine basis for

each applicable fugitive dust source type. To qualify for this exemption, a person must maintain records in accordance with subparagraph (e)(1)(C).

(6) The provisions of paragraph (d)(4) shall not apply to earth coverings of public paved roadways where such coverings are approved by a local government agency for the protection of the roadway, and where such coverings are used as roadway crossings for haul vehicles provided that such roadway is closed to through traffic and visible roadway dust is removed within one day following the cessation of activities.

(7) The provisions of subdivision (e) shall not apply to:

(A) officially-designated public parks and recreational areas, including national parks, national monuments, national forests, state parks, state recreational areas, and county regional parks.

(B) any large operation which is required to submit a dust control plan to any city or county government which has adopted a District-approved dust control ordinance.

(C) any large operation subject to Rule 1158, which has an approved dust control plan pursuant to Rule 1158, provided that all sources of fugitive dust are included in the Rule 1158 plan.

(8) The provisions of subparagraph (e)(1)(A) through (e)(1)(C) shall not apply to any large operation with an AQMD-approved fugitive dust control plan provided that there is no change to the sources and controls as identified in the AQMD-approved fugitive dust control plan.

(h) Fees

Any person conducting active operations for which the Executive Officer conducts upwind/downwind monitoring for PM_{10} pursuant to paragraph (d)(3) shall be assessed applicable Ambient Air Analysis Fees pursuant to Rule 304.1. Applicable fees shall be waived for any facility which is exempted from paragraph (d)(3) or meets the requirements of paragraph (d)(3).

TABLE 1
BEST AVAILABLE CONTROL MEASURES
(Applicable to All Construction Activity Sources)

Source Category	Control Measure	Guidance
Backfilling	01-1 Stabilize backfill material when not actively handling; and 01-2 Stabilize backfill material during handling; and 01-3 Stabilize soil at completion of activity.	✓ Mix backfill soil with water prior to moving ✓ Dedicate water truck or high capacity hose to backfilling equipment ✓ Empty loader bucket slowly so that no dust plumes are generated ✓ Minimize drop height from loader bucket
Clearing and grubbing	02-1 Maintain stability of soil through pre-watering of site prior to clearing and grubbing; and 02-2 Stabilize soil during clearing and grubbing activities; and 02-3 Stabilize soil immediately after clearing and grubbing activities.	✓ Maintain live perennial vegetation where possible ✓ Apply water in sufficient quantity to prevent generation of dust plumes
Clearing forms	03-1 Use water spray to clear forms; or 03-2 Use sweeping and water spray to clear forms; or 03-3 Use vacuum system to clear forms.	✓ Use of high pressure air to clear forms may cause exceedance of Rule requirements
Crushing	04-1 Stabilize surface soils prior to operation of support equipment; and 04-2 Stabilize material after crushing.	✓ Follow permit conditions for crushing equipment ✓ Pre-water material prior to loading into crusher ✓ Monitor crusher emissions opacity ✓ Apply water to crushed material to prevent dust plumes

TABLE 1
BEST AVAILABLE CONTROL MEASURES
(Applicable to All Construction Activity Sources)

Source Category	Control Measure	Guidance
Cut and fill	05-1 Pre-water soils prior to cut and fill activities; and 05-2 Stabilize soil during and after cut and fill activities.	✓ For large sites, pre-water with sprinklers or water trucks and allow time for penetration ✓ Use water trucks/pulls to water soils to depth of cut prior to subsequent cuts
Demolition – mechanical/manual	06-1 Stabilize wind erodible surfaces to reduce dust; and 06-2 Stabilize surface soil where support equipment and vehicles will operate; and 06-3 Stabilize loose soil and demolition debris; and 06-4 Comply with AQMD Rule 1403.	✓ Apply water in sufficient quantities to prevent the generation of visible dust plumes
Disturbed soil	07-1 Stabilize disturbed soil throughout the construction site; and 07-2 Stabilize disturbed soil between structures	✓ Limit vehicular traffic and disturbances on soils where possible ✓ If interior block walls are planned, install as early as possible ✓ Apply water or a stabilizing agent in sufficient quantities to prevent the generation of visible dust plumes
Earth-moving activities	08-1 Pre-apply water to depth of proposed cuts; and 08-2 Re-apply water as necessary to maintain soils in a damp condition and to ensure that visible emissions do not exceed 100 feet in any direction; and 08-3 Stabilize soils once earth-moving activities are complete.	✓ Grade each project phase separately, timed to coincide with construction phase ✓ Upwind fencing can prevent material movement on site ✓ Apply water or a stabilizing agent in sufficient quantities to prevent the generation of visible dust plumes

(Amended June 3, 2005)

TABLE 1
BEST AVAILABLE CONTROL MEASURES
(Applicable to All Construction Activity Sources)

Source Category	Control Measure	Guidance
Importing/exporting of bulk materials	09-1 Stabilize material while loading to reduce fugitive dust emissions; and 09-2 Maintain at least six inches of freeboard on haul vehicles; and 09-3 Stabilize material while transporting to reduce fugitive dust emissions; and 09-4 Stabilize material while unloading to reduce fugitive dust emissions; and 09-5 Comply with Vehicle Code Section 23114.	✓ Use tarps or other suitable enclosures on haul trucks ✓ Check belly-dump truck seals regularly and remove any trapped rocks to prevent spillage ✓ Comply with track-out prevention/mitigation requirements ✓ Provide water while loading and unloading to reduce visible dust plumes
Landscaping	10-1 Stabilize soils, materials, slopes	✓ Apply water to materials to stabilize ✓ Maintain materials in a crusted condition ✓ Maintain effective cover over materials ✓ Stabilize sloping surfaces using soil binders until vegetation or ground cover can effectively stabilize the slopes ✓ Hydroseed prior to rain season
Road shoulder maintenance	11-1 Apply water to unpaved shoulders prior to clearing; and 11-2 Apply chemical dust suppressants and/or washed gravel to maintain a stabilized surface after completing road shoulder maintenance.	✓ Installation of curbing and/or paving of road shoulders can reduce recurring maintenance costs ✓ Use of chemical dust suppressants can inhibit vegetation growth and reduce future road shoulder maintenance costs

TABLE 1
BEST AVAILABLE CONTROL MEASURES
(Applicable to All Construction Activity Sources)

Source Category	Control Measure	Guidance
Screening	12-1 Pre-water material prior to screening; and 12-2 Limit fugitive dust emissions to opacity and plume length standards; and 12-3 Stabilize material immediately after screening.	✓ Dedicate water truck or high capacity hose to screening operation ✓ Drop material through the screen slowly and minimize drop height ✓ Install wind barrier with a porosity of no more than 50% upwind of screen to the height of the drop point
Staging areas	13-1 Stabilize staging areas during use; and 13-2 Stabilize staging area soils at project completion.	✓ Limit size of staging area ✓ Limit vehicle speeds to 15 miles per hour ✓ Limit number and size of staging area entrances/exists
Stockpiles/ Bulk Material Handling	14-1 Stabilize stockpiled materials. 14-2 Stockpiles within 100 yards of off-site occupied buildings must not be greater than eight feet in height; or must have a road bladed to the top to allow water truck access or must have an operational water irrigation system that is capable of complete stockpile coverage.	✓ Add or remove material from the downwind portion of the storage pile ✓ Maintain storage piles to avoid steep sides or faces

(Amended June 3, 2005)

TABLE 1
BEST AVAILABLE CONTROL MEASURES
(Applicable to All Construction Activity Sources)

Source Category	Control Measure	Guidance
Traffic areas for construction activities	15-1 Stabilize all off-road traffic and parking areas; and 15-2 Stabilize all haul routes; and 15-3 Direct construction traffic over established haul routes.	✓ Apply gravel/paving to all haul routes as soon as possible to all future roadway areas ✓ Barriers can be used to ensure vehicles are only used on established parking areas/haul routes
Trenching	16-1 Stabilize surface soils where trencher or excavator and support equipment will operate; and 16-2 Stabilize soils at the completion of trenching activities.	✓ Pre-watering of soils prior to trenching is an effective preventive measure. For deep trenching activities, pre-treuch to 18 inches soak soils via the pre-trench and resuming trenching ✓ Washing mud and soils from equipment at the conclusion of trenching activities can prevent crusting and drying of soil on equipment
Truck loading	17-1 Pre-water material prior to loading; and 17-2 Ensure that freeboard exceeds six inches (CVC 23114)	✓ Empty loader bucket such that no visible dust plumes are created ✓ Ensure that the loader bucket is close to the truck to minimize drop height while loading
Turf Overseeding	18-1 Apply sufficient water immediately prior to conducting turf vacuuming activities to meet opacity and plume length standards; and 18-2 Cover haul vehicles prior to exiting the site.	✓ Haul waste material immediately off-site

(Amended June 3, 2005)

TABLE 1
BEST AVAILABLE CONTROL MEASURES
(Applicable to All Construction Activity Sources)

Source Category	Control Measure		Guidance
Unpaved roads/parking lots	19-1	Stabilize soils to meet the applicable performance standards; and	✓ Restricting vehicular access to established unpaved travel paths and parking lots can reduce stabilization requirements
	19-2	Limit vehicular travel to established unpaved roads (haul routes) and unpaved parking lots.	
Vacant land	20-1	In instances where vacant lots are 0.10 acre or larger and have a cumulative area of 500 square feet or more that are driven over and/or used by motor vehicles and/or off-road vehicles, prevent motor vehicle and/or off-road vehicle trespassing, parking and/or access by installing barriers, curbs, fences, gates, posts, signs, shrubs, trees or other effective control measures.	

Table 2
DUST CONTROL MEASURES FOR LARGE OPERATIONS

FUGITIVE DUST SOURCE CATEGORY		CONTROL ACTIONS
Earth-moving (except construction cutting and filling areas, and mining operations)	(1a)	Maintain soil moisture content at a minimum of 12 percent, as determined by ASTM method D-2216, or other equivalent method approved by the Executive Officer, the California Air Resources Board, and the U.S. EPA. Two soil moisture evaluations must be conducted during the first three hours of active operations during a calendar day, and two such evaluations each subsequent four-hour period of active operations; OR
	(1a-1)	For any earth-moving which is more than 100 feet from all property lines, conduct watering as necessary to prevent visible dust emissions from exceeding 100 feet in length in any direction.
Earth-moving: Construction fill areas:	(1b)	Maintain soil moisture content at a minimum of 12 percent, as determined by ASTM method D-2216, or other equivalent method approved by the Executive Officer, the California Air Resources Board, and the U.S. EPA. For areas which have an optimum moisture content for compaction of less than 12 percent, as determined by ASTM Method 1557 or other equivalent method approved by the Executive Officer and the California Air Resources Board and the U.S. EPA, complete the compaction process as expeditiously as possible after achieving at least 70 percent of the optimum soil moisture content. Two soil moisture evaluations must be conducted during the first three hours of active operations during a calendar day, and two such evaluations during each subsequent four-hour period of active operations.

Table 2 (Continued)

FUGITIVE DUST SOURCE CATEGORY	CONTROL ACTIONS	
Earth-moving: Construction cut areas and mining operations:	(1c)	Conduct watering as necessary to prevent visible emissions from extending more than 100 feet beyond the active cut or mining area unless the area is inaccessible to watering vehicles due to slope conditions or other safety factors.
Disturbed surface areas (except completed grading areas)	(2a/b)	Apply dust suppression in sufficient quantity and frequency to maintain a stabilized surface. Any areas which cannot be stabilized, as evidenced by wind driven fugitive dust must have an application of water at least twice per day to at least 80 percent of the unstabilized area.
Disturbed surface areas: Completed grading areas	(2c)	Apply chemical stabilizers within five working days of grading completion; OR
	(2d)	Take actions (3a) or (3c) specified for inactive disturbed surface areas.
Inactive disturbed surface areas	(3a)	Apply water to at least 80 percent of all inactive disturbed surface areas on a daily basis when there is evidence of wind driven fugitive dust, excluding any areas which are inaccessible to watering vehicles due to excessive slope or other safety conditions; OR
	(3b)	Apply dust suppressants in sufficient quantity and frequency to maintain a stabilized surface; OR
	(3c)	Establish a vegetative ground cover within 21 days after active operations have ceased. Ground cover must be of sufficient density to expose less than 30 percent of unstabilized ground within 90 days of planting, and at all times thereafter; OR
	(3d)	Utilize any combination of control actions (3a), (3b), and (3c) such that, in total, these actions apply to all inactive disturbed surface areas.

Table 2 (Continued)

FUGITIVE DUST SOURCE CATEGORY	CONTROL ACTIONS	
Unpaved Roads	(4a)	Water all roads used for any vehicular traffic at least once per every two hours of active operations [3 times per normal 8 hour work day]; OR
	(4b)	Water all roads used for any vehicular traffic once daily and restrict vehicle speeds to 15 miles per hour; OR
	(4c)	Apply a chemical stabilizer to all unpaved road surfaces in sufficient quantity and frequency to maintain a stabilized surface.
Open storage piles	(5a)	Apply chemical stabilizers; OR
	(5b)	Apply water to at least 80 percent of the surface area of all open storage piles on a daily basis when there is evidence of wind driven fugitive dust; OR
	(5c)	Install temporary coverings; OR
	(5d)	Install a three-sided enclosure with walls with no more than 50 percent porosity which extend, at a minimum, to the top of the pile. This option may only be used at aggregate-related plants or at cement manufacturing facilities.
All Categories	(6a)	Any other control measures approved by the Executive Officer and the U.S. EPA as equivalent to the methods specified in Table 2 may be used.

TABLE 3
CONTINGENCY CONTROL MEASURES FOR LARGE OPERATIONS

FUGITIVE DUST SOURCE CATEGORY	CONTROL MEASURES
Earth-moving	(1A) Cease all active operations; OR (2A) Apply water to soil not more than 15 minutes prior to moving such soil.
Disturbed surface areas	(0B) On the last day of active operations prior to a weekend, holiday, or any other period when active operations will not occur for not more than four consecutive days: apply water with a mixture of chemical stabilizer diluted to not less than 1/20 of the concentration required to maintain a stabilized surface for a period of six months; OR (1B) Apply chemical stabilizers prior to wind event; OR (2B) Apply water to all unstabilized disturbed areas 3 times per day. If there is any evidence of wind driven fugitive dust, watering frequency is increased to a minimum of four times per day; OR (3B) Take the actions specified in Table 2, Item (3c); OR (4B) Utilize any combination of control actions (1B), (2B), and (3B) such that, in total, these actions apply to all disturbed surface areas.
Unpaved roads	(1C) Apply chemical stabilizers prior to wind event; OR (2C) Apply water twice per hour during active operation; OR (3C) Stop all vehicular traffic.
Open storage piles	(1D) Apply water twice per hour; OR (2D) Install temporary coverings.
Paved road track-out	(1E) Cover all haul vehicles; OR (2E) Comply with the vehicle freeboard requirements of Section 23114 of the California Vehicle Code for both public and private roads.
All Categories	(1F) Any other control measures approved by the Executive Officer and the U.S. EPA as equivalent to the methods specified in Table 3 may be used.

Table 4
(Conservation Management Practices for Confined Animal Facilities)

SOURCE CATEGORY	CONSERVATION MANAGEMENT PRACTICES	
Manure Handling **(Only applicable to Commercial Poultry Ranches)**	(1a) (1b) (1c) (1d)	Cover manure prior to removing material off-site; AND Spread the manure before 11:00 AM and when wind conditions are less than 25 miles per hour; AND Utilize coning and drying manure management by removing manure at laying hen houses at least twice per year and maintain a base of no less than 6 inches of dry manure after clean out; or in lieu of complying with conservation management practice (1c), comply with conservation management practice (1d). Utilize frequent manure removal by removing the manure from laying hen houses at least every seven days and immediately thin bed dry the material.
Feedstock Handling	(2a)	Utilize a sock or boot on the feed truck auger when filling feed storage bins.
Disturbed Surfaces	(3a) (3b) (3c)	Maintain at least 70 percent vegetative cover on vacant portions of the facility; OR Utilize conservation tillage practices to manage the amount, orientation and distribution of crop and other plant residues on the soil surface year-round, while growing crops (if applicable) in narrow slots or tilled strips; OR Apply dust suppressants in sufficient concentrations and frequencies to maintain a stabilized surface.
Unpaved Roads	(4a) (4b) (4c)	Restrict access to private unpaved roads either through signage or physical access restrictions and control vehicular speeds to no more than 15 miles per hour through worker notifications, signage, or any other necessary means; OR Cover frequently traveled unpaved roads with low silt content material (i.e., asphalt, concrete, recycled road base, or gravel to a minimum depth of four inches); OR Treat unpaved roads with water, mulch, chemical dust suppressants or other cover to maintain a stabilized surface.
Equipment Parking Areas	(5a) (5b)	Apply dust suppressants in sufficient quantity and frequency to maintain a stabilized surface; OR Apply material with low silt content (i.e., asphalt, concrete, recycled road base, or gravel to a depth of four inches).

(Adopted August 5, 1988)(Amended July 14, 1995)(Amended May 11, 2001)

RULE 1166. VOLATILE ORGANIC COMPOUND EMISSIONS FROM DECONTAMINATION OF SOIL

(a) Applicability

This rule sets requirements to control the emission of Volatile Organic Compounds (VOC) from excavating, grading, handling and treating VOC-contaminated soil as a result of leakage from storage or transfer operations, accidental spillage, or other deposition.

(b) Definitions

(1) EXCAVATION is the process of digging out and removing materials, including any material necessary to that process such as the digging out and removal of asphalt or concrete necessary to expose, dig out and remove known VOC contaminated soil.

(2) GRADING is the process of leveling off to produce a smooth surface including the removal of any material necessary to that process such as asphalt and concrete necessary to expose known VOC contaminated soil.

(3) SOIL DECONTAMINATION MEASURE is any process approved by the Executive Officer to remediate, destroy, remove, or encapsulate VOC and VOC-contaminated soil.

(4) UNDERGROUND STORAGE TANK means any one or combination of tanks, including pipes connected thereto, which is used for the storage of organic liquid which is more than 50% beneath the surface of the ground.

(5) VOC CONTAMINATED SOIL is a soil which registers a concentration of 50 ppm or greater of Volatile Organic Compounds as measured before suppression materials have been applied and at a distance of no more than three inches from the surface of the excavated soil with an organic vapor analyzer calibrated with hexane.

(6) VOC CONTAMINATED SOIL MITIGATION PLAN is a plan to minimize VOC emissions to the atmosphere during excavation and any subsequent handling of VOC-contaminated soil.

(7) VOLATILE ORGANIC COMPOUND (VOC) is any volatile compound of carbon, excluding methane, carbon monoxide, carbon dioxide, carbonic acid, metallic carbides or carbonates, ammonium carbonate, and exempt compounds. Exempt compounds are defined in Rule 102—Definition Of Terms.

(8) VOLATILE ORGANIC MATERIALS include gasoline, diesel, crude oil, lubricant, waste oil, adhesive, paint, stain, solvent, resin, monomer, and/or any other material containing VOC.

(c) Requirements

(1) A person excavating an underground storage tank and/or transfer piping storing or previously storing VOC materials, or excavating or grading soil containing VOC materials shall:

(A) Apply for, obtain and operate pursuant to a mitigation plan approved by the Executive Officer prior to commencement of excavation or handling. The mitigation plan general requirement and application requirements are found in Attachment A to this rule. A copy of the approved plan must be on site during the entire excavation period.

(B) Notify the Executive Officer at least 24 hours prior to excavation using a form approved by the Executive Officer which is fully completed.

If the excavation does not commence on start date, renotification is required.

An alternative notification procedure may be authorized for multiple excavations within a single facility, with prior written approval from the Executive Officer.

(C) Monitor for VOC contamination pursuant to subdivision (e), at least once every 15 minutes commencing at the beginning of excavation or grading and record all VOC concentration readings in a format approved by the Executive Officer; and

(D) When VOC-contaminated soil is detected during excavation or grading:

(i) Implement the approved mitigation plan (Attachment A).

(ii) Notify the Executive Officer within 24 hours of detection of VOC-contaminated soil.

(iii) Monitor and record VOC concentration readings as prescribed in the plan. Monitoring records must be kept available on site.

(iv) Keep calibration records for all monitoring instruments available on site.

(2) A person handling VOC-contaminated soil at or from an excavation or grading site shall:

(A) Segregate VOC-contaminated stockpiles from non-VOC contaminated stockpiles such that mixing of the stockpiles does not take place.

(B) Spray VOC-contaminated soil stockpiles with water and/or approved vapor suppressant and cover them with plastic sheeting for all periods of inactivity lasting more than one hour.

(C) Conduct a daily visual inspection of all covered VOC contaminated soil stockpiles to ensure the integrity of the plastic covered surfaces. A daily inspection record must be maintained on site.

(D) Comply with the provisions in subparagraph (c) (1)(A) and clause (c)(1)(D)(i).

(E) Maintain a record of the identification and business addresses of the generator, transporter and storage/treatment facilities. Such record shall be signed by each party at the time custody is transferred.

(F) Treat or remove contaminated soil from an excavation or grading site within 30 days from the time of excavation.

(3) If the VOC concentration in the excavated soil is measured at greater than 1000 ppm, spray the soil with water or vapor suppressant and:

(A) As soon as possible, but not more than 15 minutes, place the soil in sealed containers, or

(B) As soon as possible, but not more than 15 minutes, load into trucks, moisten with additional water, cover and transport off site, or

(C) Implement other alternative storage methods approved in writing by the Executive Officer.

(4) A person treating VOC-contaminated soil shall:

(A) Obtain a permit to construct and operate treatment equipment, as applicable, from the Executive Officer, and

(B) Implement VOC-contaminated soil decontamination measures, as approved by the Executive Officer in writing, which result in Best Available Control Technology applied during all segments, and which include, but are not limited to, at least one of the following:

(i) Installation and operation of an underground VOC collection system and a disposal system prior to excavation.

(ii) Collection and disposal of the VOC from the excavated soil on-site using equipment approved by the Executive Officer.

(iii) Any equivalent VOC-contaminated soil control measure previously approved in writing by the Executive Officer.

(5) A person shall not engage in or allow any on-site or off-site spreading, grading or screening of VOC-contaminated soil, which results in uncontrolled evaporation of VOC to the atmosphere.

(6) Loading trucks for contaminated soil must meet the following:

(A) The truck and trailer shall be adequately tarped prior to leaving the site; no excavated materials shall extend above the sides or rear of the truck or trailer to prevent soil spillage during transport, and

(B) The exterior of the truck, trailer and tires shall be cleaned off prior to the truck leaving the site.

(d) Exemptions

(1) The provisions of this rule shall not apply to the following:

(A) Excavation, handling, and treating of less than one (1) cubic yard of contaminated soil.

(B) Removal of soil for sampling purposes,

(C) Accidental spillage of five (5) gallons or less of VOC containing material.

(2) The provisions of paragraphs (c)(1) and (c)(2) shall not apply to soil excavation or handling as a result of an emergency as declared by an authorized health officer, agricultural commissioner, fire protection officer, or other authorized agency officer. Whenever possible, the Executive Officer shall be notified by telephone prior to commencing such excavation. The Executive Officer shall be notified in writing no later than 48 hours following such excavation. Written notification shall include written emergency declaration from the authorized officer.

(e) Test Methods

(1) A person shall measure excavated soils for volatile organic compounds to determine contamination by:

(A) Using an organic vapor analyzer calibrated with hexane, complying with 40 CFR Part 60 Appendix A, EPA Reference Method 21 Seetion 3 or any equivalent method with prior approval in writing by the Executive Officer. If other calibrating gases are used, then the measured readings shall be correlated to and expressed as hexane.

(B) Placing the probe inlet at a distance of no more than three inches from the surface of the excavated soil and while slowly moving the probe across the soil surfaee, observe the instrument readout. If an increased meter reading is observed, continue to sample the excavated soil until the maximum meter reading is obtained. Leave the probe inlet at this maximum reading location for approximately double the instrument response time. If the maximum observed meter reading is greater than the 50 ppm standard in the regulation, record and report the results.

(2) The presence of VOC in stored or spillage materials shall be determined by SCAQMD Method 313 [Determination of Presence of Volatile Organic Compounds (VOC) in Headspace] and/or Method 304 (Determination of Volatile Organic Compounds in Various Materials) contained in the SCAQMD "Laboratory Methods of Analysis for Enforcement Samples" manual.

(f) Enforcement

(1) Violation of any provision of this rule or the violation of the approved mitigation plan shall be grounds for the Executive Officer to amend or revoke the mitigation plan, in addition to penalties provided by the Health & Safety Code.

(2) If the owner or operator is served with a Notice of Violation for creating a public nuisance, the owner or operator shall suspend operation until the public nuisance is mitigated to the satisfaction of the Executive Officer.

ATTACHMENT A
GENERAL MITIGATION PLANS REQUIREMENTS

VOC Contaminated Soil Mitigation Plans shall be written to minimize VOC emissions to the atmosphere during excavation, grading, handling and treatment of VOC contaminated soil. VOC Contaminated Soil Mitigation Plans shall consist of three types: Various Locations, Site Specific and Facility Treatment.

(1) General Requirements

(A) A plan is not transferable.

(B) A person responsible for the excavation, grading or handling of VOC contaminated soil must be completely familiar with the plan and must adhere to the plan requirement. The Executive Officer may require that the plan be signed by the owner and/or operator.

(C) A plan may be amended upon renewal.

(D) Permission to excavate, grade or handle VOC contaminated soil may be withdrawn by the District upon a finding by the Executive Officer that the excavation, grading or handling of the VOC contaminated soil is causing a public nuisance or violating other AQMD rules or regulations.

(2) Various Location Plans:

(A) Shall be limited to the excavation of 2000 cubic yards or less of VOC contaminated soil in any consecutive 12 month period at the same site.

(B) Shall not be used in conjunction with any other various location plan at the same site within a consecutive 12-month period.

(C) Shall expire after one year from issuance unless renewed.

(D) Shall not be issued for nor used for operations that involve grading, soil treatment or remediation, or landfills.

(3) Site Specific Plans:

(A) Shall be for excavation of greater than 2000 cubic yards of VOC contaminated soil.

(B) Shall be issued for specific excavation or grading locations for a period not to exceed two years.

(C) Shall not be renewable.

(4) Facility Treatment Plans:

(A) Shall be issued for a treatment facility at a permanent location.

(B) Shall expire after one year from issuance unless renewed.

(5) Applications for Site Specific Plans shall contain as a minimum:

(A) Reasons for excavation or grading.

(B) Cause of VOC soil contamination and history of the site.

(C) Description of tanks or piping associated with the soil contamination.

(D) An estimate of the amount of contaminated soil.

(E) The operating schedule for excavation and removal.

(F) Description of how the excavation or grading will be conducted.

(G) Description of mitigation measures for dust, odors and VOC.

(H) Details of disposal of VOC contaminated soil, including the ultimate receptor.

(I) Description of monitoring equipment and techniques.

(J) A map showing the facility layout, property line, and surrounding area up to 2500 feet away, and including any schools, residential areas or other sensitive receptors such as hospitals or locations where children or elderly people live or work.

(K) Designation of a person who can conduct a site inspection with the Executive Officer prior to issuance of the plan.

(6) Applications for Facility Treatment Plans shall at a minimum:

(A) Include a list of all AQMD permits to construct or operate which have been issued for that treatment and control equipment.

(B) Provide for the implementation of VOC-contaminated soil decontamination measures, as approved by the Executive Officer in writing, which result in Best Available Control Technology during all operations.

(C) Provide a map showing the facility layout including the location of all proposed VOC and non-VOC contaminated soil stockpiles.

(D) Specify the total amount of VOC contaminated soil proposed to be stockpiled on site.

(E) Provide for VOC contaminated soil stockpiles to be kept moist with water or suppressant and be covered to prevent fugitive emissions.

(F) Provide for VOC contaminated soil stockpiles to be segregated from non-VOC contaminated soil stockpiles.

(G) Provide for maintenance of records for stockpiles according to the source name, address and dates of reception.

(H) Provide for records of the generator, transporter and storage/treatment facilities and indicate their identification and business addresses. Such records shall be signed by each party at the time custody is transferred.

(I) Provide a map showing the facility layout, property line, and surrounding area up to 2500 feet away, and including any schools, residential area or other sensitive receptors such as hospitals, or locations where children or elderly people live or work.

(J) Designation of a person who can conduct a site inspection with the Executive Officer prior to issuance of the plan.

(K) Specify the operating schedule and maximum amount of VOC-contaminated soil proposed to be remediated on a daily basis.

(7) In approving a plan, the Executive Officer require reasonable conditions deemed necessary to ensure the operations comply with the plan and AQMD rules. The conditions may include, but shall not be limited to, procedures for ensuring responsibility for the implementation of the plan, accessibility to the site for AQMD staff, notification of actions required by the plan, identification of emission receptors, monitoring and testing, suppression and covering of stockpiles, prevention of public nuisance from VOC or dust emissions, prevention of fugitive emissions of VOC contaminated soil, loading of truck trailers, and disposal and treatment.

(8) In approving a plan, the Executive Officer may require any records deemed necessary to be maintained by the operator to demonstrate compliance with the plan. Such records shall be retained for at least 2 years and be made available to the Executive officer upon request.

(Adopted July 7, 2017)(Amended December 1, 2017)(Amended June 4, 2021)

RULE 1466. CONTROL OF PARTICULATE EMISSIONS FROM SOILS WITH TOXIC AIR CONTAMINANTS

(a) Purpose

The purpose of this rule is to minimize the amount of off-site fugitive dust emissions containing toxic air contaminants by reducing particulate emissions in the ambient air as a result of earth-moving activities, including, dredging, excavating, grading, earth-cutting and filling, loading, unloading, handling, mechanized land clearing, treating, stockpiling, transferring, and removing of soil that contains applicable toxic air contaminants, from sites that meet the applicability requirements of subdivision (b).

(b) Applicability

(1) This rule shall apply to any owner or operator conducting earth-moving activities of soil with applicable toxic air contaminant(s) as defined in paragraph (c)(16) that have been identified as contaminant(s) of concern at a site that has been designated and notified by:

(A) The U.S. Environmental Protection Agency (U.S. EPA) as a Superfund National Priorities List site;

(B) The California Department of Toxic Substances Control (DTSC) as a Brownfield or Cleanup Program site;

(C) The State Water Resources Control Board (State Water Board) or Regional Water Quality Control Board (Regional Water Board) as a Site Cleanup Program site;

(D) A county, local, or state regulatory agency as a Hazardous Material Release site, as defined in California Health and Safety Code Section 25260; or

(E) The Executive Officer pursuant to subdivision (i).

(2) This rule shall not apply to:

(A) Earth-moving activities of soil with applicable toxic air contaminant(s) of less than 50 cubic yards; or

(B) Removal of soil for sampling purposes.

(c) Definitions

(1) ADEQUATELY WET means the condition of being sufficiently mixed or penetrated with water to prevent the release of particulates or visible emissions. The process by which an adequately wet condition is achieved is by using a dispenser

or water hose with a nozzle that permits the use of a fine, low-pressure spray or mist.

(c) (2) ADJACENT ATHLETIC AREA means any outdoor athletic field or park where youth organized sports occur that is in physical contact or separated solely by a public roadway or other public right-of-way to a SCHOOL.

(3) ADJOINING means in physical contact with or separated solely by a public roadway or other public right-of-way.

(4) CHEMICAL STABILIZERS means any non-toxic chemicals that are used to bind soil together to control FUGITIVE DUST emissions.

(5) DISTURBED SURFACE AREA means a portion of the earth's surface which has been physically moved, uncovered, destabilized, or otherwise modified from its undisturbed natural soil condition, thereby increasing the potential for FUGITIVE DUST. This definition excludes those areas which have:

(A) Been restored to a natural state, such that the vegetative ground cover and soil characteristics are similar to adjacent or nearby natural conditions;

(B) Been paved or otherwise covered by a permanent structure; or

(C) Sustained a vegetative ground cover of at least 70 percent of the native cover for a particular area for at least 30 days.

(6) DUST SUPPRESSANTS means water or hygroscopic materials, other than CHEMICAL STABILIZERS, that are used as a treatment material to reduce FUGITIVE DUST emissions.

(7) EARTH-MOVING ACTIVITIES means, for the purpose of this rule, any activity on a site that meets the applicability requirements of subdivision (b) where SOIL WITH APPLICABLE TOXIC AIR CONTAMINANT(S) is being moved or uncovered, including: dredging, excavating, grading, earth-cutting and filling operations, loading, unloading, handling, mechanized land clearing, treating, transferring, removing, and adding to or removing from STOCKPILES, and vehicular movement of equipment associated with these activities. EARTH-MOVING ACTIVITIES do not include vehicular movement from: delivery vehicles, passenger vehicles transporting personnel to and from the site, vehicles used for administrative purposes, vehicles transporting personnel for the purposes of soil sampling and conducting ambient PM_{10} monitoring requirements, watering trucks, and equipment used exclusively on a portion(s) of the site where there is no SOIL WITH APPLICABLE TOXIC AIR CONTAMINANT(S).

(c) (8) FUGITIVE DUST means, for the purpose of this rule, any solid particulate matter that is in contact with ambient air and has the potential to become airborne, other than solid particulate matter that is emitted from an exhaust stack.

(9) JOINT USE AGREEMENT PROPERTY means a shared public facility in which a formal agreement exists between a SCHOOL and another government entity setting forth the terms and conditions for shared use.

(10) OWNER OR OPERATOR means any firm, business establishment, association, partnership, corporation or individual, whether acting as principal, agent, employee, contractor, or other capacity.

(11) PAVED ROAD means a public or private improved street, highway, alley, public way, or easement that is covered by typical roadway materials, but excludes access roadways that connect a facility with a public paved roadway and are not open to through traffic. Public paved roads are those open to public access and that are owned by any federal, state, county, municipal, or any other governmental or quasi-governmental agencies. Private paved roads are any PAVED ROADS not defined as public.

(12) PROPERTY LINE means the boundary of an area where a person has the legal use or possession of the property. Where such property is divided into one or more sub-tenancies, the property line(s) shall refer to the boundaries dividing the areas of all sub-tenancies.

(13) SCHOOL means any public or private education center, including juvenile detention facilities with classrooms, used for the education of more than 12 children at the education center in kindergarten through grade 12. A SCHOOL also includes an Early Learning and Developmental Program by the U.S. Department of Education or any state or local early learning and development programs such as preschools, Early Head Starts, Head Start, First Five, and Child Development Centers. A SCHOOL does not include any private education center in which education is primarily conducted in private homes. A SCHOOL includes any building or structure, playground, athletic field, or other area of school property.

(14) SLAG means, for the purpose of this rule, the by-product material that is separated from metals during smelting or refining of ore.

(15) SOIL means dirt, sand, gravel, clay, SLAG, and aggregate material less than two inches in length or diameter, and other organic or inorganic particulate matter.

(16) SOIL WITH APPLICABLE TOXIC AIR CONTAMINANT(S) means, for the purpose of this rule, SOIL that has been identified by the U.S. EPA, the DTSC, the

State Water Board, the Regional Water Board, or a county, local, or state regulatory agency, to contain one or more of the applicable toxic air contaminants listed in Table I that exceed action levels as specified by the designating agency, or soil that has been identified by the Executive Officer to contain one or more of the toxic air contaminants listed in Rule 1401 – New Source Review of Toxic Air Contaminants (Table I) or Hazardous Air Pollutants Identified as Toxic Air Contaminants as listed in California Code of Regulations Section 93001, excluding volatile organic compounds regulated under Rule 1166 – Volatile Organic Compound Emissions from Decontamination of Soil.

(c) (17) STABILIZED SURFACE means any previously DISTURBED SURFACE AREA or STOCKPILE, which through the application of CHEMICAL STABILIZERS or DUST SUPPRESSANTS, shows visual or other evidence of surface crusting and is resistant to WIND-DRIVEN FUGITIVE DUST, and is demonstrated to be stabilized. Stabilization can be demonstrated by one or more of the applicable test methods contained in the most current version of the South Coast AQMD *Rule 403 Fugitive Dust Implementation Handbook* or in Volumes I and II of South Coast AQMD's *Dust Control in the Coachella Valley*.

(18) STOCKPILE means any accumulation of SOIL, which is not fully enclosed and which attains a height of three feet or more and a total surface area of 150 square feet or more.

(19) TRACK-OUT means, for the purpose of this rule, any SOIL that adheres to and agglomerates on the exterior surface of motor vehicles, haul trucks, and equipment (including tires) that has been released onto a PAVED ROAD and that can be removed by a vacuum sweeper under normal operating conditions.

(20) WIND-DRIVEN FUGITIVE DUST means visible emissions from any DISTURBED SURFACE AREA, which is generated by wind action alone.

(d) Monitoring Requirements

(1) When on-site earth-moving activities occur, the owner or operator shall conduct continuous direct-reading near real-time ambient monitoring of PM_{10} concentrations pursuant to paragraph (d)(3).

(2) If the PM_{10} concentration exceeds 25 micrograms per cubic meter, as measured pursuant to paragraph (d)(3) and as determined pursuant to paragraph (d)(9), the owner or operator shall cease on-site earth-moving activities, apply dust suppressant to fugitive dust sources, or implement other dust control measures as

necessary until the PM_{10} concentration is equal to or less than 25 micrograms per cubic meter averaged over 30 minutes.

(d) (3) The owner or operator conducting on-site earth-moving activities shall install PM_{10} monitors and conduct ambient PM_{10} monitoring:

(A) In accordance with a U.S. EPA-approved equivalent method for PM_{10} monitoring or using a Rule 1466 Approved PM_{10} Monitor;

(B) Using a minimum of two monitors, placing each monitor as close to the property line as feasible, where:

(i) One or more monitors is in the seasonal prevailing wind direction upwind of the area(s) of on-site earth-moving activity, indicative of background PM_{10} levels, and not generally influenced by fugitive dust sources from the site; and

(ii) One or more monitors is in the seasonal prevailing wind direction downwind of the area(s) of on-site earth-moving activity;

(C) Using PM_{10} monitors that are identical in: make and model, settings, and configuration; and

(D) Using ambient PM_{10} monitors that are operated, maintained, and calibrated in accordance with appropriate U.S. EPA-published documents for U.S. EPA-approved equivalent methods for PM_{10} and manufacturer's instructions.

(4) On and before December 31, 2021, the owner or operator shall collect ambient PM_{10} data with a data acquisition system (DAS) that is capable of logging direct-reading near real-time data providing the date, time, and PM_{10} concentration in micrograms per cubic meter every 10 minutes or less.

(5) On and after January 1, 2022, the owner or operator shall collect ambient PM_{10} data with a DAS that is capable of logging direct-reading near real-time data providing the date and time, calibrated to Pacific Standard Time (PST), and PM_{10} concentration in micrograms per cubic meter every 1 minute or less.

(6) On and after January 1, 2022, the owner or operator shall operate PM_{10} monitors with the heated sampler inlet on.

(7) On and after January 1, 2022, prior to conducting any on-site earth-moving activities, and weekly thereafter, the owner operator shall conduct intra-instrument precision tests with the PM_{10} monitors in accordance with *Appendix 2 – Procedures to Demonstrate Intra-Instrument Precision*, or make available documentation and supporting data certifying that such intra-instrument precision tests were run by an

equipment rental company or other third party, that demonstrate an intra-instrument precision of:

(d) (7) (A) No more than 25 percent as calculated pursuant to Step 7a in *Appendix 2* when ambient PM_{10} concentrations are equal to or greater than 15 micrograms per cubic meter; or

(B) No more than 5 micrograms per cubic meter as calculated pursuant to Step 7b in *Appendix 2* when ambient PM_{10} concentrations are less than 15 micrograms per cubic meter.

(8) On and after January 1, 2022, each day prior to conducting on-site earth-moving activities, the owner or operator shall conduct a passing zero check on each PM_{10} monitor in accordance with:

(A) Steps 4 and 5 of *Appendix 2* that demonstrates an average PM_{10} concentration of 0 ± 3 micrograms per cubic meter; or

(B) Manufacturer's instructions if a monitor is operated using an auto-zero check procedure that directs filtered particle-free air into the measurement chamber.

(9) The owner or operator shall calculate the PM_{10} concentration as a 120-minute rolling average, where:

(A) The initial average starts at the commencement of on-site earth-moving activities and ends 120 minutes after the commencement of on-site earth-moving activities;

(B) On and before December 31, 2021, the averages subsequent to the initial average specified in subparagraph (d)(9)(A) are to be calculated every 10 minutes and cover the previous 120-minute period;

(C) On and after January 1, 2022, the averages subsequent to the initial average specified in subparagraph (d)(9)(A) are to be calculated every 1 minute and cover the previous 120-minute period;

(D) The PM_{10} concentration is calculated by subtracting the results of the upwind monitor(s) from the downwind monitor(s) for the same averaging period;

(i) If the wind direction is in the seasonal prevailing wind direction, then the monitor(s) described pursuant to clause (d)(3)(B)(i) shall be designated as the upwind monitor(s) and the monitor(s) described pursuant to clause (d)(3)(B)(ii) shall be designated as the downwind monitor(s); and

(d) (9) (D) (ii) If there is greater than a ± 90 degree change in wind direction from the seasonal prevailing wind direction, then the monitor(s) described pursuant to clause (d)(3)(B)(i) shall be designated as the downwind monitor(s) and the monitor(s) described pursuant to clause (d)(3)(B)(ii) shall be designated as the upwind monitor(s);

(E) If there is more than one upwind monitor, the upwind result is the average concentration of all upwind monitors for the same rolling averaging period;

(F) If there is more than one downwind monitor, the downwind result is the maximum concentration of any of the downwind monitors for the same rolling averaging period;

(G) On and before December 31, 2021, when on-site earth-moving activities resume after ceasing pursuant to paragraph (d)(2), the average shall start when on-site earth-moving activities resume and shall end 120 minutes after on-site earth-moving activities resume, and the subsequent averages are to be calculated every 10 minutes and shall cover the previous 120-minute period; and

(H) On and after January 1, 2022, when on-site earth-moving activities resume after ceasing pursuant to paragraph (d)(2), the average shall start when on-site earth-moving activities resume and shall end 120 minutes after on-site earth-moving activities resume, and the subsequent averages are to be calculated every one minute and shall cover the previous 120-minute period.

(10) An owner or operator that elects to move the monitors accordingly when there is a change in wind direction in place of meeting the requirements specified in clauses (d)(3)(B)(i), (d)(3)(B)(ii), (d)(9)(D)(i), and (d)(9)(D)(ii), shall:

(A) Place a minimum of one upwind monitor in the upwind direction of the area(s) of on-site earth-moving activity, indicative of background PM_{10} levels, and not generally influenced by fugitive dust sources from the site;

(B) Place a minimum of one downwind monitor in the downwind direction of the area(s) of on-site earth-moving activity; and

(C) Move the monitor(s) in subparagraph (d)(10)(A) to the new upwind location and the monitor(s) in subparagraph (d)(10)(B) to the new downwind location when there is a change in wind direction.

(11) In the event that a DAS fails to log ambient PM_{10} data pursuant to paragraph (d)(5) or that the data management system integrated with the PM_{10} monitor(s) and

DAS(s) fails to calculate PM_{10} concentrations pursuant to subparagraph (d)(9)(C) due to a technical issue beyond the reasonable control of an owner or operator, including, but not limited to, internet connection disruptions and computer malfunctions, the owner or operator shall:

(d) (11) (A) Restore the DAS or data management system to working condition as soon as practicable and no later than the start of the next working day; and

(B) Manually record the PM_{10} concentration from the monitor(s) associated with the non-operational DAS once every 10 minutes or less and calculate the PM_{10} concentration pursuant to the averages specified in subparagraph (d)(9)(B) until the DAS is restored or calculate the PM_{10} concentration pursuant to the averages specified in subparagraph (d)(9)(B) until the data management system is restored.

(12) When conducting ambient PM_{10} monitoring as required in paragraph (d)(1), the owner or operator shall monitor wind direction and speed using a minimum of one stationary anemometer or wind sensor that:

(A) Is sited over open, level terrain within the project site with minimal obstructions to the wind flow at a minimum height of eight feet above grade;

(B) Meets the performance criteria of:

(i) Wind direction accuracy of ± 7 degrees and resolution of 1 degree; and

(ii) Wind speed accuracy of 2 miles per hour (mph) or ± 5 percent of the observed wind speed, whichever is greater, and resolution of 1 mph;

(C) Has a National Institute of Standards and Technology (NIST) Traceability certification;

(D) Is equipped with a data logger that records wind direction and speed data once every 1 minute or less and archives the recorded wind direction and speed data, including the date and time, calibrated to PST; and

(E) Is operated, calibrated, and maintained in accordance with manufacturer's specifications, but no less frequent than once every 6 months of cumulative operation.

(13) The Executive Officer may approve a PM_{10} monitor to be added as a Rule 1466 Approved PM_{10} Monitor if the PM_{10} monitor meets the specifications listed in *Appendix 1 – Rule 1466 Approved PM_{10} Monitors*. The request for a PM_{10} monitor to be added as a Rule 1466 Approved PM_{10} Monitor shall:

(A) Be submitted to Rule1466ApprovedMonitors@aqmd.gov;

(d) (13) (B) Include a description of the PM_{10} monitor, any accessories, and all monitor specifications; and

(C) Include documentation demonstrating compliance with each specification listed in *Appendix 1*.

(e) Requirements to Minimize Fugitive Dust Emissions

(1) On and before December 31, 2021, an owner or operator shall not conduct on-site earth-moving activities unless the area is surrounded with fencing that is a minimum of 6 feet tall and at least as tall as the height of the tallest stockpile, with a windscreen that has a porosity of 50 ± 5 percent. A section of the perimeter surrounding an on-site earth-moving activity area may be excluded from this requirement if that section:

(A) Has a solid physical barrier, such as a solid wall or other solid feature that minimizes air flow, that is a minimum of 6 feet tall but at least 6 inches taller than the height of the tallest stockpile; or

(B) Does not have on-site earth-moving activity occurring within 300 feet from the perimeter of that section.

(2) On and after January 1, 2022, an owner or operator shall not conduct on-site earth-moving activities unless the area is surrounded with fencing that is a minimum of 6 feet tall but at least 6 inches taller than the height of the tallest stockpile, with a windscreen that has a porosity of 50 ± 5 percent or a mesh windscreen that has a shade value or opacity of 85 ± 5 percent. A section of the perimeter surrounding an on-site earth-moving activity area may be excluded from this requirement if that section meets the conditions as specified in subparagraph (e)(1)(A) or (e)(1)(B).

(3) An owner or operator conducting on-site earth-moving activities shall:

(A) Adequately wet to the depth of earth-moving activity and allow time for penetration; and

(B) Adequately wet at frequencies to prevent the generation of visible dust plumes.

(4) An owner or operator that is moving vehicles on, within, or off a site shall:

(A) Post signs at all entrances of the site to designate the speed limit as 15 mph;

(B) Stabilize the surface of all vehicular traffic and parking areas by applying gravel, paving, chemical stabilizers pursuant to paragraph (e)(13), or dust suppressant;

(C) Not allow any track-out outside of the property line that is 25 feet or more in cumulative length. Remove any track-out at a minimum frequency of

once each day using a vacuum equipped with a filter(s) rated by the manufacturer to achieve a 99.97 percent control efficiency for 0.3 micron particles;

(e) (4) (D) Clean the soil from the exterior of trucks, trailers, and tires prior to the truck leaving the site, without the use of forced air; and

(E) Utilize at least one of the following measures at each vehicle egress from the site to a public road:

(i) Install a pad consisting of washed gravel (minimum-size: 1 inch), maintained in a clean condition, to a depth of at least 6 inches and extending at least 30 feet wide and at least 50 feet long;

(ii) Pave the surface extending at least 100 feet from the property line and at least 30 feet wide;

(iii) Utilize a wheel shaker/wheel spreading device consisting of raised dividers (rails, pipes, or grates) at least 24 feet long and 30 feet wide; or

(iv) Install and utilize a wheel washing system to remove soil from tires and vehicle undercarriages.

(5) An owner or operator conducting on-site earth-moving activities shall ensure that stockpiles with any soil with applicable toxic air contaminant(s) be:

(A) Segregated from non-contaminated stockpiles;

(B) Labelled with "South Coast AQMD Rule 1466 – Control of Particulate Emissions from Soils with Toxic Air Contaminant(s) Applicable Soil";

(C) Maintained to avoid steep sides or faces that exceed the angle of repose;

(D) No more than 400 cubic yards of soil;

(E) Maintained to minimize fugitive dust emissions containing toxic air contaminants by applying chemical stabilizers pursuant to paragraph (e)(13), applying dust suppressant, or completely covering pursuant to paragraph (e)(14); and

(F) Either chemically stabilized pursuant to paragraph (e)(13) and/or completely covered pursuant to paragraph (e)(14) at all times when earth-moving activities and ambient PM_{10} monitoring are not occurring.

(6) An owner or operator conducting truck and trailer loading activities of soil containing applicable toxic air contaminant(s) shall:

(A) Apply dust suppressant to material prior to loading;

(B) Empty the loader bucket slowly so that no visible dust plumes are generated;

(e) (6) (C) Minimize the drop height from the loader bucket;

(D) Maintain at least 6 inches of space between the soil and the top of the truck bed and trailer while transporting within a site; and

(E) Completely cover the truck bed and trailer prior to leaving the site.

(7) An owner or operator conducting truck and trailer unloading activities of soil containing applicable toxic air contaminant(s) shall:

(A) Apply dust suppressant to material prior to unloading; and

(B) Empty the trailer slowly so that no visible dust plumes are generated.

(8) The owner or operator shall immediately remove any spilled soil.

(9) The owner or operator shall cease on-site earth-moving activities if the wind speed is greater than 15 mph averaged over a 15-minute period or the instantaneous wind speed exceeds 25 mph.

(10) During on-site earth-moving activities, the owner or operator shall have an on-site dust control supervisor that:

(A) Is employed by or contracted with the owner or operator;

(B) Is located on the site during working hours;

(C) Is in a position to expeditiously employ sufficient dust control measures to ensure compliance with all rule requirements;

(D) Has completed the South Coast AQMD Fugitive Dust Control Class and has been issued a valid Certificate of Completion for the class; and

(E) Has the following credentials, if asbestos is an applicable toxic air contaminant:

(i) Successfully completed the Asbestos Abatement Contractor/Supervisor course pursuant to the Asbestos Hazard Emergency Response Act (AHERA), and obtained and maintained accreditation as an AHERA Asbestos Abatement Contractor/Supervisor; and

(ii) Trained on the provisions of 40 CFR Part 61.145, 61.146, 61.147 and 61.152 (Asbestos NESHAP provisions) and Part 763, and has the means to comply with these provisions.

(11) An owner or operator shall apply a chemical stabilizer pursuant to paragraph (e)(13) and/or use a cover pursuant to paragraph (e)(14) on potential sources of fugitive dust when earth-moving activities are not occurring in the specific location(s) containing the potential source(s) of fugitive dust.

(e) (12) An owner or operator shall inspect daily, including days when no on-site earth-moving activities are occurring, labeled stockpiles pursuant to subparagraph (e)(5)(B) and stabilized or covered stockpiles pursuant to (e)(5)(F).

(A) For a stabilized stockpile, such inspections shall include a demonstration of stabilization by one or more of the applicable test methods contained in the most current version of the South Coast AQMD *Rule 403 Fugitive Dust Implementation Handbook* or Volumes I and II of South Coast AQMD's *Dust Control in the Coachella Valley.*

(B) For a covered stockpile, such inspections shall include a visual inspection of all seams and plastic cover surfaces to ensure that no portion of the soil is exposed to the atmosphere.

(13) When utilizing a chemical stabilizer, an owner or operator shall:

(A) Ensure the chemical stabilizer meets any specifications, criteria, or tests required by any federal, state, or local agency or any applicable law, rule, or regulation; and

(B) Unless otherwise indicated, use a sufficient concentration of the chemical stabilizer and an application frequency sufficient to maintain a stabilized surface and no less than what is specified by the manufacturer for the period of inactivity.

(14) When using a cover for stockpiles, an owner or operator shall ensure the cover:

(A) Is at least 10 mil thick plastic sheeting that overlaps a minimum of 24 inches; and

(B) Is anchored and secured so that no portion of the soil is exposed to the atmosphere.

(15) An owner or operator that is conducting earth-moving activities of soil with applicable toxic air contaminant(s) at a school, joint use agreement property, adjacent athletic area, or at a site that is adjoining a school, joint use agreement property, or adjacent athletic area shall:

(A) Only conduct earth-moving activities at a school or at a site that is adjoining a school outside of the hours between 7:30 a.m. and 4:30 p.m. on days when the school is in session;

(B) Not conduct earth-moving activities at a school, joint use agreement property, adjacent athletic area, or at a site that is adjoining a school, joint use agreement property, or adjacent athletic area if there is a school sponsored activity or youth organized sports taking place at that site;

(e) (15) (C) Handle excavated soils with applicable toxic air contaminant(s) by:

(i) Immediately placing soil in a leak-tight container whereby any contained solids or liquids are prevented from escaping or spilling out;

(ii) Directly loading soil in truck beds, trailers, and bins for transport, applying chemical stabilizer pursuant to paragraph (e)(13) or dust suppressant, and completely covering prior to transporting; or

(iii) Stockpiling pursuant to paragraph (e)(5), in a fenced area that is not accessible to the general public, and locked when not in use; and

(D) Within five days of its excavation, remove all soil with applicable toxic air contaminant(s) from the site.

(f) Notification Requirements

(1) The owner or operator shall electronically submit an initial notification to the Executive Officer, using a format approved by the Executive Officer, of the intent to conduct any on-site earth-moving activities.

(A) Initial notifications shall be submitted:

(i) At least 72 hours but no more than 30 days prior to conducting any earth-moving activities on any site meeting the applicability requirements of subdivision (b); or

(ii) As soon as the information becomes available but no later than 48 hours after the information becomes available that on-site earth-moving activities of soil with applicable toxic air contaminant(s) exceed 50 cubic yards.

(B) Initial notifications shall include the following requirements:

(i) Name, address, telephone number, and e-mail address of the owner or operator;

(ii) Name, telephone number, and e-mail address of the on-site dust control supervisor;

(iii) Project name and, if applicable, the project identification number from the designating agency;

(iv) Project location (address and/or coordinates);

(v) Identify whether the site is a school, joint use agreement property, adjacent athletic area, or is adjoining a school, joint use agreement property, or adjacent athletic area;

(f) (1) (B) (vi) A map indicating the specific location(s) of each on-site earth-moving activity and the concentrations of the applicable toxic air contaminant(s) and location of PM_{10} monitors;

(vii) A description of the on-site earth-moving activities, estimated volume of soil with applicable toxic air contaminant(s), and a schedule that includes the anticipated start and completion dates of on-site earth-moving activities;

(viii) Current and/or previous type of operation(s) and use(s) at the site;

(ix) Applicable exemption(s); and

(x) Whether the notice being provided is a revised notification.

(2) Notification Updates

Initial notifications pursuant to paragraph (f)(1) shall be updated when any of the following conditions arise:

(A) Earlier Start Date

A change in the start date of on-site earth-moving activities to an earlier date shall be reported to the South Coast AQMD no later than 72 hours before any on-site earth-moving activities begin.

(B) Later Start Date

A delay in the start date of on-site earth-moving activities shall be reported to the South Coast AQMD as soon as the information becomes available, but no later than the original start date.

(C) Change in Exemption Status

Any change(s) in exemption status pursuant to subdivision (k) shall be reported to the South Coast AQMD as soon as the information becomes available, but no later than 48 hours after the information becomes available.

(D) Completion Date

The completion date of on-site earth-moving activities shall be reported to the South Coast AQMD no later than 48 hours after on-site earth-moving activities are completed.

(3) Within 72 hours of an exceedance of the PM_{10} emission limit specified in paragraph (d)(2), the owner or operator shall electronically submit a notification to the Executive Officer, using a format approved by the Executive Officer, of the exceedance and shall include the following information:

(f) (3) (A) Name, address, telephone number, and e-mail address of the owner or operator;

(B) Name, telephone number, and e-mail address of the on-site dust control supervisor;

(C) Project name and, if applicable, the project identification number from the designating agency;

(D) Project location (address and/or coordinates);

(E) PM_{10} monitoring results and wind direction and speed results pursuant to subdivision (d), including location of monitors, result, date and time of exceedance(s), 12 hours before first exceedance, and 12 hours after last exceedance;

(F) On-site earth-moving activities occurring at the date and time of exceedance(s); and

(G) Dust control measure(s) taken to mitigate fugitive dust.

(g) Signage Requirements

When conducting on-site earth-moving activities, the owner or operator shall install and maintain project signage.

(1) Unless otherwise approved in writing by the Executive Officer, signage shall:

(A) Be installed at all entrances and at intervals of 1,000 feet or less along the property line or perimeter of the site, with a minimum of one sign along each side;

(B) Be located between 6 and 8 feet above grade from the bottom of the sign;

(C) Display lettering at least 4 inches tall with text contrasting with the sign background; and

(D) Display the following information:

(i) Local or toll-free phone number for the site contact or pre-recorded notification center that is accessible 24 hours a day; and

(ii) Warning statement:

"THIS SITE CONTAINS SOILS THAT CONTAIN THE FOLLOWING CHEMICALS: [LIST APPLICABLE TOXIC AIR CONTAMINANT(S)]
TO REPORT ANY DUST LEAVING THE SITE PLEASE CALL [FACILITY CONTACT AND PHONE NUMBER] OR THE SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT AT 1-800-CUT-SMOG".

(g) (2) If signage pursuant to paragraph (g)(1) exceeds 48 inches by 96 inches, the owner or operator or designating agency shall include the warning statement referenced in clause (g)(1)(D)(ii), displaying lettering at least 4 inches tall with text contrasting with the sign background, but may use 2.5 inch tall lettering to list applicable toxic air contaminant(s). All other signage requirements set forth in paragraph (g)(1) shall remain the same. If signage continues to exceed 48 inches by 96 inches with these parameters, the owner or operator or designating agency may use alternative signage as set forth in paragraph (g)(3).

(3) The owner or operator or designating agency may use alternative signage approved by the Executive Officer pursuant to subdivision (j). Notwithstanding subdivision (j), the request shall include a visual representation of the alternative sign, including proposed lettering height, and locations and, at a minimum, the alternative signage shall:

(A) Display text contrasting with the sign background; and

(B) Display the following warning statement:

"THIS SITE CONTAINS SOILS THAT CONTAIN THE FOLLOWING CHEMICALS: [LIST APPLICABLE TOXIC AIR CONTAMINANT(S)] TO REPORT ANY DUST LEAVING THE SITE PLEASE CALL THE SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT AT 1-800-CUT-SMOG".

(4) The owner or operator may be excluded from installing and maintaining project signage pursuant to subparagraph (g)(1)(A) at any entrance(s) or interval(s) along the property line or perimeter of the site that is not visible and not accessible to the public unless the site is a school, joint use agreement property, or adjacent athletic area or the site is adjoining a school, joint use agreement property, or adjacent athletic area.

(h) Recordkeeping Requirements

The owner or operator shall maintain records for a period of not less than 3 years and shall make such records available to the Executive Officer upon request. At a minimum, records shall be maintained daily and shall include:

(1) Inspections of all stabilized or covered stockpiles containing soils with applicable toxic air contaminant(s) and all re-stabilization, cover repair, and label maintenance activities, including dates and times the specific activities were conducted;

(2) Results of wind and PM_{10} monitoring, including: ambient PM_{10} data; rolling average PM_{10} concentrations and calculations; wind direction and speed

corresponding to the rolling average PM_{10} concentrations; movement of monitoring instruments corresponding to wind direction changes; instrument make and model; settings; proof of valid calibration in accordance with manufacturer's recommended schedule; configuration; calibration, correction, and correlation factors; maintenance; operator training; daily instrument performance check records and manual zero or auto-check results; weekly zero calibration records and intra-instrument precision test data and calculation results; and all instrument logs for all monitoring instruments;

(h) (3) All instrument maintenance activities, including: zero calibration, cleaning, filter replacement, and performance checks, including dates and times of the specific procedures;

(4) Documentation of all DAS and data management system failures, including date and time of the failure, date and time of the correction, the technical issue(s) causing the failure, and activities performed to restore the failed DAS or data management system to working condition;

(5) On-site earth-moving activities conducted and the corresponding volume of soil with applicable toxic air contaminant(s);

(6) Names and business addresses of the transporting and receiving facilities, and a copy of the shipping manifest;

(7) Complaints called in, including the name of complainant and contact information, date and time, on-site earth-moving activities occurring at the date and time, complaint, and action taken to mitigate the source of the complaint; and

(8) A copy of all submitted notifications for the project.

(i) Executive Officer Designated Sites

(1) The Executive Officer may designate a site if the Executive Officer has evidence that the site contains soil with applicable toxic air contaminant(s) as defined in paragraph (c)(16), after consultation with U.S. EPA, DTSC, the State Water Resources Control Board, the Regional Water Quality Control Board, and/or local, county, or state regulatory agencies, and consideration of the following:

(A) Site history, including current and/or previous type(s) of operation(s) and use(s) at the site and regulatory history;

(B) Concentration(s) of applicable toxic air contaminant(s) in the soil;

(C) Background concentration(s) of applicable toxic air contaminant(s);

(D) Volume of soil with applicable toxic air contaminant(s);

(i) (1) (E) Distance to a residence, park, school, joint use agreement property, adjacent athletic area, or a site adjoining a school, joint use agreement property, or adjacent athletic area;

(F) Meteorological data;

(G) Health risk information or other data provided by the owner or operator, if available; and

(H) Ambient monitoring data and other applicable data, if available.

(2) Prior to making a determination, the Executive Officer will notify the owner or operator in writing that the site may be subject to this rule.

(A) In the event the owner or operator exercises this opportunity to demonstrate that this rule does not apply, the owner or operator shall submit information to the Executive Officer within 14 days of the notification substantiating why the site should he excluded from this rule.

(B) Upon final determination, the Executive Officer will notify the owner or operator in writing if the site is subject to this rule.

(3) During the determination period, the owner or operator shall comply with the provisions of this rule or cease all on-site earth-moving activities until a determination is made.

(j) Alternative Provisions

(1) If requesting an alternative provision pursuant to paragraph (g)(3), the owner or operator or designating agency shall submit the request in writing at least 30 days prior to conducting any earth-moving activities and include all information to the Executive Officer to substantiate its position.

(2) The Executive Officer may request additional information from the owner or operator or designating agency.

(3) The owner or operator or designating agency shall submit all requested information within 14 days of the request for additional information.

(4) The Executive Officer will review the request for an alternative provision and will approve or reject the data and notify the owner or operator or designating agency in writing. Approved alternative provisions may not be used retroactively.

(5) Alternative provisions that were approved and notified in writing by the Executive Officer before June 4, 2021 shall be deemed compliant with the requirements of the applicable provisions of the rule, shall remain in effect only for the period of time and for the specific project for which they were granted, and shall not be renewed or extended.

(k) Exemptions

(1) The owner or operator may be exempt from one or more provisions of this rule provided there is written confirmation that the designating agency under subparagraphs (b)(1)(A) through (b)(1)(D) has consulted with the Executive Officer and has determined that the provision(s) are not needed based on information specified in subparagraphs (i)(1)(A) through (i)(1)(H).

(2) On-site earth-moving activities performed within an enclosed system vented to South Coast AQMD permitted air pollution control equipment shall be exempt from all requirements except: subparagraphs (e)(4)(C) through (e)(4)(E), subparagraphs (e)(6)(D) and (e)(6)(E), and subdivisions (f), (g), and (h).

(3) Linear trenching for natural gas, power, sewer, and water projects on roadways with soil with applicable toxic air contaminant(s), directly loaded into a truck bed, trailer, or bin for transport, shall be exempt from all requirements except: paragraphs (e)(3) through (e)(9), paragraphs (e)(13) and (e)(15), and subdivisions (f), (h), and (i).

(4) On-site earth-moving activities consisting only of excavation activities of soil with applicable toxic air contaminant(s) of less than 500 cubic yards, directly loaded into a truck bed, trailer, or bin for transport, shall be exempt from all requirements except: paragraphs (e)(3) through (e)(9), paragraphs (e)(13) and (e)(15), and subdivisions (f), (h), and (i).

(5) On-site earth-moving activities conducted during emergency life-threatening situations, or in conjunction with any officially declared disaster or state of emergency as declared by an authorized health officer, agricultural commissioner, fire protection officer, or other authorized agency officer shall be exempt from all requirements. The Executive Officer shall be notified electronically no later than 48 hours following such on-site earth-moving activities. Written notification shall include written emergency declaration from the authorized officer.

(6) On-site earth-moving activities conducted by essential service utilities to provide electricity, natural gas, telephone, water, or sewer during periods of service outages and emergency disruptions shall be exempt from all requirements. The Executive Officer shall be notified electronically no later than 48 hours following such on-site earth-moving activities.

Table I – Applicable Toxic Air Contaminants

CAS Number	Substance
7440-38-2	**arsenic and arsenic compounds (inorganic)** including, but not limited to: arsenic compounds (inorganic)
7784-42-1	arsine
1332-21-4	Asbestos
7440-43-9	cadmium and cadmium compounds
57-74-9	chlordane
	dibenzo-p-dioxins (chlorinated)
1746-01-6	tetrachlorodibenzo-p-dioxin, 2,3,7,8-
40321-76-4	pentachlorodibenzo-p-dioxin, 1,2,3,7,8-
39227-28-6	hexachlorodibenzo-p-dioxin, 1,2,3,4,7,8-
57653-85-7	hexachlorodibenzo-p-dioxin, 1,2,3,6,7,8-
19408-74-3	hexachlorodibenzo-p-dioxin, 1,2,3,7,8,9-
35822-46-9	heptachlorodibenzo-p-dioxin, 1,2,3,4,6,7,8-
3268-87-9	octachlorodibenzo-p-dioxin, 1,2,3,4,6,7,8,9-
41903-57-5	total tetrachlorodibenzo-p-dioxin
36088-22-9	total pentachlorodibenzo-p-dioxin
34465-46-8	total hexachlorodibenzo-p-dioxin
37871-00-4	total heptachlorodibenzo-p-dioxin
72-54-8	dichlorodiphenyldichloroethane
72-55-9	dichlorodiphenyldichloroethylene
50-29-3	dichlorodiphenyltrichloroethane

Table I – Applicable Toxic Air Contaminants (cont.)

CAS Number	Substance
18540-29-9	**chromium (hexavalent) and chromium compounds**
	including, but not limited to:
10294-40-3	barium chromate
13765-19-0	calcium chromate
7758-97-6	lead chromate
10588-01-9	sodium dichromate
7789-06-2	strontium chromate
13530-65-9	zinc chromate
7439-92-1	**lead and lead compounds (inorganic, including elemental lead)**
	including, but not limited to:
	lead compounds (inorganic)
301-04-2	lead acetate
7758-97-6	lead chromate
7446-27-7	lead phosphate
1335-32-6	lead subacetate
7439-97-6	**mercury and mercury compounds (inorganic)**
	including, but not limited to:
7487-94-7	mercuric chloride
593-74-8	methyl mercury

Table I – Applicable Toxic Air Contaminants (cont.)

CAS Number	Substance
7440-02-0	**nickel and nickel compounds**
	including, but not limited to:
373-02-4	nickel acetate
3333-67-3	nickel carbonate
13463-39-3	nickel carbonyl
12054-48-7	nickel hydroxide
1313-99-1	nickel oxide
12035-72-2	nickel subsulfide
1271-28-9	nickelocene
	refinery dust from the pyrometallurgical process
1336-36-3	**polychlorinated biphenyls (PCBs)**
32598-13-3	3,3',4,4'-tetrachlorobiphenyl (PCB 77)
70362-50-4	3,4,4',5-tetrachlorobiphenyl (PCB 81)
32598-14-4	2,3,3',4,4'-pentachlorobiphenyl (PCB 105)
74472-37-0	2,3,4,4',5-pentachlorobiphenyl (PCB 114)
31508-00-6	2,3',4,4',5-pentachlorobiphenyl (PCB 118)
65510-44-3	2,3',4,4',5'-pentachlorobiphenyl (PCB 123)
57465-28-8	3,3',4,4',5-pentachlorobiphenyl (PCB 126)
38380-08-4	2,3,3',4,4',5-hexachlorobiphenyl (PCB 156)
69782-90-7	2,3,3',4,4',5'-hexachlorobiphenyl (PCB 157)
52663-72-6	2,3',4,4',5,5'-hexachlorobiphenyl (PCB 167)
32774-16-6	3,3',4,4',5,5'-hexachlorobiphenyl (PCB 169)
39635-31-9	2,3,3'4,4',5,5'-heptachlorobiphenyl (PCB 189)

Table I – Applicable Toxic Air Contaminants (cont.)

CAS Number	Substance
	polycyclic aromatic hydrocarbons (PAHs)
56-55-3	benzo[a]anthracene
50-32-8	benzo[a]pyrene
205-99-2	benzo[b]fluoranthene
207-08-9	benzo[k]fluoranthene
218-01-9	chrysene
53-70-3	dibenz[a,h]anthracene
193-39-5	indeno[1,2,3-c,d]pyrene

Appendix 1 – Rule 1466 Approved PM_{10} Monitors

The Executive Officer may approve PM_{10} monitors that meet the following physical and performance requirements.

1. Physical Requirements
   - 1.1. PM_{10} monitors shall be continuous direct-reading near-real time monitors and shall monitor particulate matter less than 10 microns.
   - 1.2. PM_{10} monitors shall be equipped with:
     - 1.2.a. Omni-directional heated sampler inlet;
     - 1.2.b. Sample pump with active flow control mechanism;
     - 1.2.c. Enclosure;
     - 1.2.d. Data logger capable of logging each data point with average concentration, time, date, and data point number; and
     - 1.2.e. Conductive tubing that minimizes particle loss for any external tubing used to carry sampled air prior to measurement.

2. Performance Requirements
   - 2.1 PM_{10} monitors shall have the following minimum performance standards:
     - 2.1.a. Range: 0 - 10,000 $\mu g/m^3$;
     - 2.1.b. Accuracy, determined through factory testing against a U.S. EPA Federal Reference Method or Federal Equivalent Method, for a minimum of 30 measurements each averaged over 24 hours, to show:
       - 2.1.b.i. ± 5% of reading ± precision; or
       - 2.1.b.ii. Coefficient of determination (R^2) of ≥ 0.95 through simple linear regression;
     - 2.1.c. Resolution: 1.0 $\mu g/m^3$;
     - 2.1.d. Flow control accuracy of ± 5% of factory setpoint; and
     - 2.1.e. Measurement Cycle: User selectable (30 minute and 2 hour).
   - 2.2 Monitors that have a valid *Monitoring Certification Scheme* certification meeting the latest version of the *Monitoring Certification Scheme (MCERTS): Performance Standard for Indicative Ambient Particulate Monitors* may be exempt from meeting the performance requirements listed above, but shall meet all stated physical requirements.

3. Quality Assurance/Quality Control Requirements

In order to ensure the validity of the PM_{10} measurements performed, there shall be appropriate Quality Assurance/Quality Control (QA/QC). It is the responsibility of the owner or operator to adequately supplement QA/QC Plans to include the following critical features: instrument calibration, instrument maintenance, operator training, and daily instrument performance checks.

Appendix 2 – Procedures to Demonstrate Intra-Instrument Precision

An owner or operator shall perform the following procedures to demonstrate the intra-instrument precision of all PM_{10} monitors as required in paragraph (d)(7).

1. Ensure monitors are identical in make and model, settings, and configuration.
2. Ensure monitor inlets are at the same height and located within 4 meters of each other but no less than 1 meter apart for the duration of the test.
3. Power on the monitors and turn on the heated sampler inlet. Allow the monitors to warm-up per manufacturer's recommendations or when readings have stabilized.
4. For each monitor, conduct a zero calibration in accordance with manufacturer's instructions, then conduct a manual zero check by removing any sampling inlet and installing a filter, rated by the manufacturer to achieve a 99.97 percent control efficiency for 0.3 micron particles, on the inlet of the monitor for a minimum of 10 minutes. If the monitors are operated using an auto-zero check procedure that directs filtered particle-free air into the measurement chamber, conduct the zero check in accordance with manufacturer's instructions.
5. Log the PM_{10} concentration reading every minute, and calculate and record the average of the readings of the manual zero check. The average of the manual zero check readings shall be 0 ± 3 micrograms per cubic meter before proceeding to Step 6. If conducting an auto-zero check, the monitor shall pass the zero check in accordance with manufacturer's instructions before proceeding to Step 6. If any monitors fail either the manual zero check or the auto-zero check, the owner or operator shall conduct a zero calibration in accordance with manufacturer's instructions and/or correct any issue(s) causing the failure, followed by conducting a passing zero check on the PM_{10} monitor(s) in accordance with Steps 4 and 5.
6. Remove the filter and install the monitor inlet as required. After waiting 10 minutes, operate the monitors simultaneously and log the PM_{10} concentration reading every minute for a minimum of 60 minutes.

7. Calculate the intra-instrument precision using either of the following equations:
   a. Intra-instrument precision in relative standard deviation or correlation of variation (%) when ambient PM_{10} concentrations are greater than or equal to 15 micrograms per cubic meter:

$$P = \frac{S_t}{C_t} x\ 100\%$$

where,

P = Intra-instrument precision in percent (%);

S_t = Standard deviation of the averaged PM_{10} concentration readings from all tested monitors over the time t of testing duration, to be calculated as:

$$S_t = \sqrt{\frac{\sum(x_i - \bar{x})^2}{(n-1)}}$$

where,

x_i = Mean of the PM_{10} concentration readings for a tested monitor over time t of testing duration,

$\bar{x}$ = Mean of the averaged PM_{10} concentration readings from all tested monitors over the time t of testing duration, and

n = Number of tested monitors; and

C_t = Mean of the averaged PM_{10} concentration readings from all tested monitors over the time t of testing duration; or

   b. Intra-instrument precision in absolute value (micrograms per cubic meter) when ambient PM_{10} concentrations are less than 15 micrograms per cubic meter:

$$P = S_t$$

where,

P = Intra-instrument precision in micrograms per cubic meter, and

S_t = Standard deviation of the averaged PM_{10} concentration readings from all tested monitors over the time t of testing duration.

8. Record the results of the calculations.

APPENDIX II

Health and Safety Plan

SITE-SPECIFIC HEALTH AND SAFETY PLAN
for
EXCAVATION AND SOIL MANAGEMENT ACTIVITIES

PROPOSED MIXED-USE REDEVELOPMENT PROJECT
ROW DTLA Residential Project
Portion of APN 5146-009-008
757-787 South Alameda Street
Los Angeles, California 90021

FOR:

CALIFORNIA ENVIRONMENTAL
30423 Canwood Street, Suite 208
Agoura Hills, California 91301

Attention: Mr. Charles Ignatius Buckley

CE JOB NO. EV0323-3666

ACG JOB NO. I1563

February 21, 2025

PREPARED BY



Michael R. Tiffany, CIH No. 5056
Certified Industrial Hygienist

TABLE OF CONTENTS

Page

INTRODUCTION....3
DESCRIPTION OF WORK....3
HAZARD EVALUATION....4
Potential Hazards....4
Chemical Hazards....5
Chemicals Of Concern (COCs)....5
Lead....6
Tetrachloroethylene (PCE)....6
Benzene, Toluene, Ethylbenzene, And Xylenes (BTEX)....7
Petroleum Hydrocarbons....7
Physical Hazards....9
LEVELS OF PROTECTION....10
AIR MONITORING....11
Personal Exposure Monitoring....11
SAFETY MANAGEMENT....12
EXCLUSION ZONE....12
EMERGENCY PROCEDURES....13
Communication Procedures....13
Emergency Exits....13
Emergency Equipment....13
Emergency Services....13
Hospital Map....14
DECONTAMINATION....15
SAFETY/TRAINING REQUIREMENTS....15
PERSONAL HEALTH AND HYGIENE....15
EQUIPMENT....16
Personal Safety Equipment....16
Personnel and Environmental Monitoring Equipment....16
Facility Safety Equipment....16
ACKNOWLEDGEMENT....17

INTRODUCTION

The purpose of this Health and Safety Plan (HASP) is to provide site-specific health and safety requirements for soil removal work to be conducted at the subject property. This HASP applies to employees of California Environmental (CE), the grading contractor, and their subcontractors (collectively, "contractors"). This Health and Safety Plan is a site-specific addendum to the contractors' corporate Injury and Illness Prevention Programs (IIPPs), which are in effect for this project.

The Site is located on the west side of South Alameda Street between 7th Street and Bay Street, in the City of Los Angeles, California. The street addresses for the Site are 757-787 South Alameda Street, 1318-1320 East 7th Street, and 746 S. Central Street. The Site is approximately 31.3 acres in size. The 777 S. Alameda Street address is associated with the entire ROW DTLA mall property that extends to the west. The subject property consists of approximately 10 acres of land on the east side of one (1) 20-acre irregular-shaped parcel. The subject property is currently developed with two (2) asphalt-paved parking lots that are bisected by Center Street. Access to the property is via S Alameda Street to the east. It is proposed to redevelop the site with three multi-story residential structures with subterranean parking garages. The soil removal that is the subject of this HASP is the excavation of the parking garages and associated grading and site preparation.

Multiple phases of environmental site assessment have been conducted between 1997 and 2024. Phase 1 site assessments revealed that Pacific Electric Railroad Company operations on the subject property included a railroad tracks, machine shop/blacksmith, oil house, woodworking shop, and electrical construction facility. Historically, several tenants that likely used solvents, hydrocarbons, and heavy metals were located on the property adjacent to the west. Phase 2 site assessments showed localized occurrences of contaminants in different areas of the site. Contaminants exceeding residential screening levels include lead and arsenic in soil and tetrachloroethene (PCE) and benzene in soil gas. Low concentrations of oil and diesel hydrocarbons, below screening levels, were encountered in shallow soil. The soil impacts detected are considered *de minimus* and do not require reporting to an environmental enforcement agency.

Preparation of this Health and Safety Plan is not intended to relieve any contractor, their representatives or any other professionals from their duties and responsibilities with respect to overall site safety for the project. All contractors are responsible for observing all additional health and safety requirements as mandated by Cal/OSHA, the Los Angeles City Fire Department, the South Coast Air Quality Management District, and all other pertinent health and safety rules governing work activities to be conducted at a construction site.

DESCRIPTION OF WORK

The work covered by this HASP involves the removal of potentially contaminated soil for excavation of basements and site preparation. Soil removal includes excavation, stockpiling, sampling, and loading of soil. Soil will be excavated using a backhoe excavator and/or a rubber-tired loader. Excavated soil may be temporarily stockpiled on plastic for characterization sampling. Soil to be exported will be loaded into trucks and transported to offsite disposal facilities. Plastic sheeting, water spray, and/or vapor suppression compounds will be used as necessary to reduce fugitive dust and VOC emissions.

The objective of this Health and Safety Plan is to provide for proper identification, safe handling, and mitigation of contaminated soil that may be encountered during excavation work at the site. To achieve this objective, the following must be accomplished.

- Monitor the working face, excavation, stockpile, and loading area for visible dust emissions, toxic concentrations of dust, explosive or toxic gases, and any changes in materials or conditions.
- Protect workers from hazards that may be encountered during the project.
- Provide for proper identification of contaminated soils.
- Provide for proper handling of contaminated soils.

HAZARD EVALUATION

POTENTIAL HAZARDS

During performance of activities related to this project, there is the potential to encounter a variety of chemical and physical hazards. These include:

- Exposure to hazardous chemicals due to airborne emissions or skin contact with contaminated soil.
- Underground utilities: Electrical, flammable gas or liquid, and pressurized gas or liquid
- Heavy equipment: excavation equipment and truck traffic.
- Noise: heavy equipment may create excessive noise.

Potential job hazards for field conditions and activities in this project include exposure to toxic, irritating, or flammable substances arising from soil gas seepage, petroleum-contaminated soil and groundwater, and lead contaminated soil. The general job hazard analysis is summarized in the following **TABLE I.**

TABLE I - HAZARD EVALUATION

Hazard	Evaluation	General Protective Measures
Exposure to hydrocarbon and VOC vapors exceeding the PEL	Volatile hydrocarbon vapors are unlikely to exceed action levels at the site.	Monitor vapor levels continuously during excavation and loading. Use water spray to suppress vapor generation and disperse vapor accumulation.
Direct contact with petroleum hydrocarbons in soil	Possible skin exposure to workers during drilling.	PPE including gloves, long sleeves, long pants. Frequent hand/face washing.
Fire or explosion due to hydrocarbon vapors	Low levels of hydrocarbon vapors are likely to be present in soil at the site. Concentrations exceeding the LEL are unlikely.	Monitor vapor levels continuously during excavation and loading. Use water spray to suppress vapor generation and disperse vapor accumulation.
Direct contact with lead in soil	Very unlikely during excavation. Levels will not exceed the Action Level for worker exposure.	PPE, including gloves, clothing. Require frequent washing of hands/face; disposable coveralls if levels are high. Do not create dust.
Equipment-related injuries.	Heavy equipment includes standard construction equipment such as trucks and drilling rigs.	Safety measures will be reviewed during site briefing; open pits will be barricaded; personnel will not enter excavations deeper than 5 ft.
Heat Stress.	Heat related illness is possible in especially when wearing PPE.	Increase fluid intake; implement a work/rest regimen; monitor worker core temperature if conditions warrant (i.e. ambient>100°F).
Solar radiation.	Outdoor work involves hazards with overexposure to the sun year round.	Outdoor workers will be encouraged to use sunscreen and/or clothing that minimizes the amount of skin exposed.
Slip, trips, and falls.	These hazards are always present on construction sites.	Good housekeeping and footwear that is appropriate for the conditions. Fall protection for work in elevated locations.

CHEMICAL HAZARDS

In 2023-2024, California Environmental performed soil and soil-gas analysis of samples collected throughout the subject property as part of a Phase II site investigation. The findings indicate that the primary contaminants present in the subsurface are lead and arsenic in soil and tetrachloroethylene (PCE) in soil gas. Other volatile organic compounds (VOC) and petroleum hydrocarbons were detected in very low concentrations throughout the site. Chemical hazard exposures approaching the PEL are considered very unlikely. The main contaminant hazards are summarized in **Table I**.

TABLE I – HAZARD EVALUATION

Compound	Cal-OSHA PEL (ppmv)	Maximum soil concentration mg/kg (ppm)	Maximum soil gas concentration (µg/m³)	Maximum soil gas concentration (ppmv)	Screening Ratio*
Lead	0.01 mg/m³	275	-	-	0.28
PCE	25	0.011	6500	0.96	0.04
Arsenic	0.01 mg/m³	15	-	-	0.015
Ethylbenzene	5	ND	230	0.05	0.01
Toluene	10	0.0020	99	0.03	0.003
Xylenes	100	0.0015	1400	0.32	0.003
Benzene	1	0.0044	nd	nd	-
TPH (diesel/oil)	-	250	-	-	-

* Screening ratio for VOCs = soil gas concentration ÷ PEL
Screening ratio for metals = soil metal concentration * 10 mg/m³ ÷ PEL ÷ 10^6 mg/kg

The screening ratio for contaminants is used to rank the compounds by relative hazard. Screening ratios for all compounds are well below 1.0, meaning that exposure exceeding PEL are unlikely at the highest soil and soil vapor contaminant concentrations previously encountered at the site.

Under SCAQMD Rule 1166, vapor suppression will be implemented to keep VOC emissions near the soil surface below 50 ppm. This will keep breathing zone exposures well below PELs.

The chemical contaminants at this site are not expected to present a significant hazard of airborne exposure. There is a slight hazard of ingestion exposure. Compliance with the **PERSONAL HEALTH AND HYGIENE** section of this plan will protect against accidental ingestion of contaminated soil.

CHEMICALS OF CONCERN (COCS)

The primary contaminants which may be encountered during the excavation process are metals (lead) in soil and industrial solvents (PCE) in soil gas. The potential routes of exposure are inhalation of dust or vapor derived from contaminated soil and dermal contact with or ingestion of contaminated soil. The contaminants most likely to be encountered during excavation are listed below.

Lead

Lead in its elemental form is a heavy ductile gray metal. It does not corrode or decompose readily, and it melts at relatively low temperatures. These properties made it very useful for such things as soldering pipe joints and electrical connections. Lead compounds were widely used in paints for structural steel, heavy equipment, and pavement striping. Tetraethyl lead was added to gasoline until 1979, resulting in contamination of soil with aerially-deposited lead oxide fume near roadways.

Lead has toxic properties that make it hazardous if inhaled or ingested. The Cal/OSHA PEL for lead is 50 $\mu g/m^3$ (micrograms per cubic meter) of air as an 8-hour Time-Weighted Average (TWA). The Action Level is 30 $\mu g/m^3$. The IDLH Level (Immediately Dangerous to Life & Health) is 100 mg/m^3.

Repeated exposure to airborne lead in excess of the PEL may produce a variety of symptoms, including: weakness, eye irritation, facial pallor, paleness of the eyes, lassitude, insomnia, anemia, tremors, malnutrition, constipation, weakness or paralysis of the wrists and ankles, abdominal pain, nephropathy, encephalopathy, gingival lead line, hypertension, anorexia, and weight loss. The target organs include the Central Nervous System (CNS), kidneys, eyes, blood, gingival tissue, and the gastro-intestinal tract.

Development of lead-related ailments generally takes many years of repeated exposure when the levels are low but can be more rapid if high concentrations are encountered. High-level exposures can cause acute health effects including seizures, coma, and death within hours or days. Uncontrolled burning of lead-based paint or other lead-containing materials can result in life-threatening exposure.

Negative Initial Determination

The highest lead concentration found in soil is 275 mg/kg. Under paragraph (d)(5)(B) of Section 1532.1, objective data indicating that materials contain lead at concentrations less than 600 ppm are sufficient to establish a negative initial determination. In addition, the screening ratio calculation shows that airborne exposure cannot exceed the PEL as long as the total airborne dust concentration does not exceed the nuisance dust PEL of 10 mg/m^3, a visibly dusty level. Dust control measures will be implemented to prevent visible emissions of dust during site activities.

Based on the information summarized above, a *negative initial determination* is made for this job in accordance with 8CCR1532.1 (d)(5). Air monitoring, biological monitoring, lead awareness training, and respiratory protection are NOT required to protect employee health and safety during the work of this project.

Tetrachloroethylene (PCE)

Inhalation of PCE can produce headache, dizziness, drowsiness, lack of coordination, irritation of eyes, nose, and throat, and flushing of the neck and face. Exposure to high concentrations can produce narcotic effects. The primary target organs are the Central Nervous System (CNS), mucous membranes, eyes, and skin. The kidneys, liver, and lungs are affected to a lesser extent. Symptoms of CNS depression normally manifest in humans from repeated exposure to 200 ppm for 7 hours/day. Ingestion of PCE may cause toxic effects ranging from nausea and vomiting to somnolence, tremor, and ataxia. The oral toxicity, however, is relatively low. Skin contact with the liquid may cause defatting of the skin and dermatitis. PCE is a confirmed animal carcinogen. The Cal-OSHA PEL is 25 ppm for PCE.

Benzene, Toluene, Ethylbenzene, And Xylenes (BTEX)

Benzene

Benzene is a known human carcinogen. Prolonged skin contact with benzene or excessive inhalation of its vapor may cause headache, weakness, loss of appetite, and lassitude. Continued exposure can cause collapse, bronchitis, and pneumonia. The most important health hazards are cancer (leukemia), bone marrow effects, and injuries to the blood-forming tissue from chronic low-level exposure. The Cal-OSHA PEL is 1 ppm.

Toluene

Exposure to vapors of toluene may cause irritation of the eyes, nose, upper respiratory tract, and skin. Exposure to 200 ppm for 8 hours cause mild fatigue, weakness, confusion, tearing, and a sensation of prickling, tingling, or creeping on the skin that has no objective cause. Exposure to higher concentrations may cause headache, nausea, dizziness, dilated pupils, and euphoria, and in severe cases may cause unconsciousness and death. The liquid is irritating to the eyes and the skin. Contact with the eyes may cause transient corneal damage, conjunctive irritation, and burns if not promptly removed. Repeated and/or prolonged contact with the skin may cause drying and cracking. Toluene may be absorbed through the skin in toxic amounts. Ingestion causes irritation of the gastrointestinal tract and may cause effects resembling those from inhalation of the vapor. Chronic overexposure to toluene may cause irreversible liver and kidney injury. Both the Cal-OSHA PEL is 10 ppm.

Ethylbenzene

Ethylbenzene vapor is severely irritating to the eyes and to the mucous membranes of the respiratory system. Sustained inhalation of excessive levels can cause depression of the central nervous system (CNS) characterized by dizziness, headache, narcosis, and coma. Skin contact with liquid ethylbenzene causes irritation; dermatitis and defatting can also develop. The acute oral toxicity of ethylbenzene is low, however, ingestion of it poses a serious aspiration hazard. Aspirating even a small amount into the lungs can result in extensive edema (lungs filled with fluid) and hemorrhaging of the lung tissue. No systemic effects are suspected at the levels that produce pronounced, unignorable, disagreeable skin and eye irritation. The established Permissible Exposure Level (PEL) is set well below this intolerable level. The Cal-OSHA PEL is 5 ppm.

Xylenes

Liquid xylenes are a skin irritant and causes itching, dryness, and defatting; prolonged contact may cause blistering. Inhaling xylenes can depress the Central Nervous System (CNS), and ingesting it can result in gastrointestinal disturbance; and possibly hematemesis (vomiting blood). Effects on the eyes, kidneys, liver, lungs, and the CNS are also reported. Both the Cal-OSHA PEL is 100 ppm.

Petroleum Hydrocarbons

Diesel and Oil Range Hydrocarbons

For this project, employee exposures to hydrocarbon vapors are unlikely to exceed the Cal/OSHA Permissible Exposure Level (PEL) for regulated hydrocarbon compounds. Air monitoring will be performed at the discretion of the CIH to verify actual exposures. A photoionization detector (PID) will be used to detect low levels of hydrocarbon vapors that may be present. The PID will also be used to determine whether SCAQMD Rule 1166 applies to the soil being excavated.

Elevated readings on the PID (greater than 50 ppm) trigger additional air sampling or laboratory analysis to determine whether Time-Weighted Average exposures exceed Cal/OSHA Action Levels. If exposures

remain below the Cal/OSHA Action LevelAction Levels, additional monitoring is not needed unless conditions change.

Petroleum hydrocarbons, especially when weathered, may cause nausea, headache, or minor upper respiratory irritation. The odor associated with petroleum hydrocarbons both natural and refined are due to low concentrations of highly odoriferous compounds which are not easily measured and are not subject to Cal/OSHA regulation.

Petroleum hydrocarbons may also cause skin irritation, and prolonged or repeated skin contact may cause dermatitis. This hazard exists for personnel who perform or work in proximity to earthwork that involves contaminated material. Handling or working near material that contains hydrocarbons can result in contamination of the skin and/or clothing. Such exposures can be prevented by a combination of work practices (avoidance of direct contact), PPE (gloves or disposable coveralls where direct contact is unavoidable), and personal hygiene.

PHYSICAL HAZARDS

The excavation activities proposed at the subject property may present physical hazards including heavy equipment operations, open excavations, vehicular traffic, and heat stress. These hazards are common to construction work sites and are covered in the contractors' IIPPs.

The following precautions will be observed to protect workers from physical hazards:

- Hard hats and steel-toed boots will be worn at all times.
- Safety glasses will be worn when using impact tools, cutting tools, or grinders.
- Work gloves will be worn when handling equipment or tools.
- High visibility safety vests will be worn by workers on foot in the presence of operating equipment or vehicle traffic.
- Hearing protective devices will be worn in accordance with the contractor's hearing conservation program.
- Equipment will be operated only by trained operators.
- Workers will not enter excavations unless they are sloped and/or shored in accordance with Cal/OSHA regulations.

Excessive exposure to a hot work environment can bring about a variety of heat-induced disorders, including heat stroke, heat exhaustion, cramps, and fainting. Preventative measures in effect for this project include:

- Rest periods in shaded or air-conditioned areas when necessary for the workers to self-limit heat exposure.
- Drinking water in adequate quantity will be provided outside the exclusion zone.
- Site workers will be trained in heat stress recognition and prevention.

Heat stress is unlikely with acclimatized workers in Level D at temperatures below 90 °F. Site workers receive heat stress training as part of HAZWOPER training. If ambient temperatures exceed 90 °F or if Level C PPE is donned then additional heat stress precautions will be implemented.

LEVELS OF PROTECTION

Level D protection is recommended for all work. The protection level will be upgraded if hazardous concentrations of chemicals are encountered in the operator breathing zone. If contaminated soil is exposed, Level C protective clothing is recommended for workers in direct contact with contaminated soil.

Four levels of protection are described as follows:

Level B: A NIOSH approved portable pressure demand self-contained breathing apparatus. Appropriate protective clothing: Chemical splash resistant suit (Saranex-coated Tyvek coveralls) with neoprene gloves and steel-toed neoprene boots. Protective eyewear and hearing protectors where appropriate.

Level C: A NIOSH approved half-face air-purifying respirator with dual P-100 filter cartridges. Appropriate protective clothing: Tyvek coveralls with neoprene or nitrile gloves and steel-toed neoprene boots. Protective eyewear and hearing protectors where appropriate.

Level C (modified): Respiratory protection as for Level C. Appropriate protective clothing: As for Level D. Protective eyewear and hearing protectors where appropriate.

Level D: Work uniform, steel-toed work boots, hard hat, and work gloves. Protective eyewear and hearing protectors where appropriate.

AIR MONITORING

PERSONAL EXPOSURE MONITORING

Employee exposures are not expected to exceed Cal/OSHA PELs during this project. Preliminary data indicates that the hazards will be relatively low. A photoionization detector (PID) will be used to screen for VOC exposures, and if levels reach or exceed the action levels in the tables below additional measures will be taken. Monitoring for airborne dust will be conducted by an SCAQMD Rule 403-certified Dust Control Supervisor.

If PID readings or other dust observations indicate that exposures near the PEL may be present, full-shift samples may be collected in the operator's breathing zone (OBZ) under direction of the CIH. Analytes will be selected based on the results of field screening. If initial monitoring for 2 - 3 shifts shows that TWA exposures are substantially below PEL, the monitoring frequency will be reduced to one shift per week. Additional monitoring will be performed whenever a change in exposure is indicated by field screening or a change in site conditions or work practices.

Action levels for air monitoring are shown in **TABLE II** below.

TABLE II
Action Levels and Action to be Taken

Device	Reading†	Location	Time Period	Action*
PID	< 50 ppm	Working face	--	Continue periodic monitoring. Level D.
	> 50 ppm	Working face	> 1 minute	Monitor OBZ. Follow SCAQMD Rule 1166 for vapor suppression.
	< 100 ppm	OBZ	--	Continue periodic monitoring. Level D.
	> 100 ppm	OBZ	> 15 minutes	Upgrade to Level C (modified). Collect TWA samples.
Dust Monitoring	No visible emissions	Anywhere	--	Continue monitoring. Level D.
	Visible emissions	Anywhere	> 1 minute	Implement dust suppression. Level D.
Assay badge sample	<PEL for carcinogens or <10x PEL for other compounds	OBZ	Full shift	Continue at Level C (modified), continue periodic PID monitoring of OBZ.
Assay badge sample	>PEL for carcinogens or >10x PEL for other compounds	OBZ	Full shift	Upgrade to Level B or shut down operation.
Laboratory Analysis	≥ 0.5 x PEL for Lead	OBZ	Full shift	Upgrade to Level C (modified).

OBZ = Operator Breathing Zone
* Upgrade/downgrade in PPE may be made based on the results of air sampling after consulting with the CIH.

SAFETY MANAGEMENT

The contractors' Site Safety Officer (SSO) and Field Site Safety Officer (FSSO) will ensure that all contractor personnel comply with all applicable regulations and requirements of this plan. The SSO will supervise the FSSO and coordinate and cooperate with the contractors' superintendents, foremen, subcontractors, employees, the owner's representative, authorized visitors, and agency representatives.

Site Safety Officer: TBD

Field Site Safety Officer: TBD

1. Personnel shall be physically able (and mentally willing) to comply with safety requirements.
2. A copy of this health & safety plan shall be kept at the job site and made available to each individual who will work at the site.
3. All contractors and sub-contractors working at the site should have and comply with the following:
    - A corporate Injury & Illness Prevention Plan.
    - A site specific Health and Safety plan.
4. These plans should include and/or address as a separate plan, the following:
    - A written Respiratory Protection program
    - A worker Hazard Communication program
    - A Medical Exposure Monitoring Program
    - A Hearing Conservation Program
5. A tail-gate meeting shall be held to review the safety program at the start of work and periodically as needed.
6. Site workers and visitors shall sign an acknowledgement sheet that confirms that they have read and understand this HSP.
6. Unsafe acts shall be stopped when discovered.
7. Required safety equipment shall be onsite and shall be checked to verify completeness and function prior to being put into service.
8. Any change in site conditions, such as the discovery of previously undefined areas of contamination, will be reviewed by the SSO and this HASP will be amended if necessary.

EXCLUSION ZONE

The exclusion zone shall be as determined by the FSSO and SSO during excavation activities. The FSSO will be responsible for ensuring that unauthorized and unnecessary personnel are excluded from the work zone. Personnel not actively involved in site work activities (other than inspectors from concerned regulatory agencies) shall not be allowed within the exclusion zone. When necessary, work zones will be enclosed, barricaded or otherwise marked off and posted by the FSSO or contractor foreman to prevent the ingress of unauthorized persons and to warn others as to the potential hazards present and to stay clear.

EMERGENCY PROCEDURES

Communication Procedures

A site phone will be available to all workers in the event of an emergency. All emergency services can be obtained by calling 911.

Emergency Exits

All site entrances will be left open to provide for emergency egress during the course of the work but shall be barricaded or marked and inspected periodically to discourage the entrance of unauthorized persons.

Emergency Equipment

The following emergency equipment will be available onsite:

- A first aid kit.
- A fire extinguisher.

Emergency Services

The address, phone number, and name of the local hospital and medical emergency room will be posted on site. Hospital location and driving directions are shown below. All emergency services can be obtained by dialing 911.

HOSPITAL MAP

Adventist Health White Memorial Medical Center
1720 East Cesar E Chavez Avenue
Los Angeles, CA 90033
Phone: (323) 268-5000



1. Head north on S Alameda Street
2. Turn right onto East 4th Street
3. Turn left onto South Boyle Avenue
4. Turn right onto East 1st Street
5. Turn left onto Bailey Street

DECONTAMINATION

Vehicle and equipment decontamination procedures are addressed in the site-specific Soil Management Plan. Personnel decontamination procedures are described below.

The personnel decontamination area will be set up at the exit from the exclusion zone. The decontamination area will be equipped with the following:

- Plastic sheeting to contain fluids and provide a clean surface.
- Buckets with detergent solution and clean water.
- Brushes, sponges, and towels.
- Drinking water.

Level D decontamination procedures:

1. Any disposable PPE, such as nitrile gloves or Tyvek coveralls, shall be removed in the decontamination area and placed into the designated waste containers.
2. All personnel will wash face and hands with detergent and water when prior to eating, drinking, using the restroom, or leaving the site.
3. Equipment or tools will be decontaminated by wet wiping with detergent and water.

SAFETY/TRAINING REQUIREMENTS

Personnel engaging in onsite activities will be properly trained for those activities. All personnel who use respiratory protective equipment will be properly trained in its use and properly fitted to their assigned respirators. All workers required to wear a respirator will be medically cleared. If a worker is or may be exposed above the PEL, they shall be enrolled in a medical surveillance program within 30 days.

All site workers handling hazardous waste soils will be trained for hazardous waste operations in accordance with 8CCR §5192, including up-to-date refresher courses.

PERSONAL HEALTH AND HYGIENE

1. Personal safety and the safety of fellow workers require that all employees arrive at the job and remain mentally alert. No alcohol or drugs shall be permitted at any job site.
2. Parts of the body that come into contact with toxic or irritating chemicals should be washed immediately with detergent and water.
3. Any cut or abrasion shall be treated immediately. A qualified professional health practitioner shall be consulted if the safety manager deems it necessary.
4. Hands and face shall be washed prior to eating, drinking, using the restroom, or smoking, and at the end of the work shift.
5. No smoking is allowed in the exclusion zone. Smoking will be allowed only in an area designated by the contractor's superintendent.

EQUIPMENT

Personal Safety Equipment

Workers shall have available personal protective safety equipment as follows:

1. Plastic hard hats meeting ANSI standards.
2. Steel-toed work boots.
3. Appropriate hearing protection in accordance with the contractor's hearing conservation program.
4. Safety glasses meeting ANSI standards.
5. High-visibility safety vest for work in areas of vehicular traffic.
6. Work gloves for handling heavy tools or equipment.

Personnel and Environmental Monitoring Equipment

Air monitoring equipment is listed in the Air Monitoring section.

Facility Safety Equipment

The following safety equipment shall be continuously available at the job site in sufficient quantities:

1. Clean water, detergent, and paper towels.
2. First aid kit (10 unit).
3. Fire extinguisher.
4. Site phone.

ACKNOWLEDGEMENT

The undersigned site personnel and visitors acknowledge that they have read and understand the above Site-Specific Health & Safety Plan and are familiar with its provisions.

NAME	COMPANY	SIGNATURE

APPENDIX III

Historical Data Tables and Assessment Plans



EXPLANATION

- Historical Location of 5' soil gas sample (HMC 2013)
- Historical Location of 5' soil & soil gas sample (HMC 2013)
- Historical Location of 5' soil sample with Lead > Residential SL (HMC 2013)
- Historical Location of 5' soil gas sample with VOCs > Residential SL (HMC 2013)

Scale: 0 50 100 ft. (1 inch = 100 feet)

N W E S

FIGURE 2 - Historical Assessment Plan

References: Google Earth; HMC, Phase II, 777 S. Alameda St, LA, CA, February 6, 2013.

California Environmental			
Client	Atlas Capital Group, LLC c/o DLA Piper	Job #	EV0323-3666
Location	777 S. Alameda Street	By	RTB
Date	March 2024	Checked By	OB



EXPLANATION

- CE Boring Location for soil & soil gas samples (2024)
- CE Ambient Air Grab Sample

Scale: 0 50 100 ft. (1 inch = 100 feet)

N W E S

FIGURE 3 - CE ASSESSMENT PLAN

References: Google Earth; HMC, Phase II, 777 S. Alameda St, LA, CA, February 6, 2013.

California Environmental		
Client: Atlas Capital Group, LLC c/o DLA Piper	Job #: EV0323-3666	
Location: 777 S. Alameda Street	By: RTB	
Date: March 2024	Checked By: CIB	



FIGURE 4 - METALS IN SOIL ABOVE RESIDENTIAL GOALS

References: Google Earth; HMC, Phase II, 777 S. Alameda St, LA, CA, February 6, 2013.

California Environmental			
Client:	Atlas Capital Group, LLC c/o DLA Piper	Job #:	EV0323-3666
Location:	777 S. Alameda Street	By:	RTB
Date:	March 2024	Checked By:	OB



FIGURE 5 - PCE IN SOIL GAS ABOVE RESIDENTIAL GOALS

References: Google Earth; HMC, Phase II, 777 S. Alameda St, LA, CA, February 6, 2013.

California Environmental			
Client:	Atlas Capital Group, LLC c/o DLA Piper	Job #:	EV0323-3666
Location:	777 S. Alameda Street	By:	RTB
Date:	March 2024	Checked By:	CIB



EXPLANATION

- Historical Location of 5' soil gas sample (HMC 2013)
- Historical Location of 5' soil & soil gas sample (HMC 2013)
- Historical Location of 5' soil sample with Lead > Residential SL (HMC 2013)
- Historical Location of 5' soil gas sample with VOCs > Residential SL (HMC 2013)
- CE Boring (25') Location of soil & soil gas samples

Scale: 0 50 100 ft; 1 inch = 100 feet

N W E S

FIGURE 5 - TPH, LEAD IN SOIL

References: Google Earth; HMC, Phase II, 777 S. Alameda St, LA, CA, February 6, 2013.

California Environmental			
Client	Atlas Capital Group, LLC c/o DLA Piper	Job #	EV0323-3666
Location	777 S. Alameda Street	By	ESK
Date	March 2024	Checked By	OB

TABLE I
Laboratory Analysis of Soil - TPH & VOCs
777 S. Alameda Street,
Los Angeles, California 90021

Sample ID	Date	EPA Method 8015B (mg/kg)		EPA Method 8260B/5030 (µg/kg)													
		TPH as Motor Oil (C18-C44)	TPH as Diesel (C10-C28)	Methyl-t-butyl ether (MTBE)	Benzene	Toluene	Ethylbenzene	m,p-Xylenes	o-Xylene	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Naphthalene	Isopropylbenzene	n-Propylbenzene	2-Chlorotoluene	4-Chlorotoluene	All Other Analytes
S191-1Ft	2/27/2024	**210 F1**	**80**	<72	**0.21 J**	<0.72	<0.72	**31**	<1.4	<0.72	<0.72	<0.72	**46**	<0.72	<1.4	**4.8 J**	ND
S191-5ft	2/27/2024	**25 J**	9.4	<74	**0.87**	**0.22 J**	<1.5	**5.8**	<1.5	<0.74	<0.74	<0.74	**20**	<0.74	<1.5	<15	ND
S191-15ft	2/27/2024	<24	<4.8	<74	**4.4**	**0.47 J**	<1.5	**1.2**	<1.5	<0.74	<0.74	<0.74	**15**	<0.74	<1.5	<15	ND
S192-1ft	2/27/2024	**310**	**81**	<74	**0.88**	**0.22 J**	<1.5	**0.91**	<1.5	<0.74	<0.74	<0.74	**24**	<0.74	<1.5	<15	ND
S192-5ft	2/27/2024	<25	<4.9	<70	**0.82**	**0.30 J**	<1.4	**1.3**	<1.4	<0.70	<0.70	<0.70	**64**	<0.70	**5.4 J**	**4.2 J**	ND
S192-10ft	2/27/2024	<25	<4.9	<80	**1.1**	**0.46 J**	<1.6	**0.26 J**	<1.6	<0.80	<0.80	<0.80	**34**	<0.80	<1.6	<16	ND
S193-1ft	2/27/2024	**37**	**10**	<66	**1.3**	**0.41 J**	**1.95 J**	**0.16 J**	<1.3	<0.66	<0.66	<0.66	**17**	<0.66	<1.3	<13	**Ethylbenzene - 0.27 J**
S193-5ft	2/27/2024	<25	<5.0	<76	**1.7**	**0.48 J**	**0.48 J**	**0.33 J**	<1.5	<0.76	<0.76	<0.76	**15**	<0.76	**0.5 J**	<15	ND
S193-10ft	2/27/2024	<24	**0.5**	<75	**1.1**	**0.48 J**	<1.5	<0.75	<1.5	<0.75	<0.75	<0.75	**16**	<0.75	<1.5	<15	ND
S193-15ft	2/27/2024	<24	**0.8 J**	<81	<0.81	<0.81	<1.6	<0.81	<1.6	<0.81	<0.81	<0.81	**14 J**	<0.81	<1.6	<16	ND
S194-1ft	2/27/2024	<25	<5.0	<81	**0.68**	**0.36 J**	<1.6	**0.76 J**	<1.6	<0.81	<0.81	<0.81	**35**	<0.81	**0.4 J**	<16	ND
S194-5ft	2/27/2024	<25	**6.7**	<80	**0.61 J**	**0.35 J**	<1.7	<0.80	<1.7	<0.80	<0.80	<0.80	**17**	<0.80	**0.7 J**	<17	ND
S194-15ft	2/27/2024	<25	**5.6**	<81	**0.50 J**	**0.42 J**	<1.6	<0.81	<1.6	<0.81	<0.81	<0.81	**16**	<0.81	<1.6	<16	ND
S195-1ft	2/27/2024	<25	**4.5**	<85	**0.82 J**	**0.42 J**	<1.7	**0.40 J**	<1.7	<0.85	<0.85	<0.85	**28**	<0.85	<1.7	<17	ND
S195-5ft	2/27/2024	**39**	**31**	<130	**0.57 J**	**2.0**	<2.1	<1.1	<1.1	<1.1	<1.1	<1.1	**79**	<1.1	<2.1	**24 J**	**Carbon disulfide - 1.2 J**
S195-10ft	2/27/2024	<24	**5.3**	<89	**0.25 J**	<0.89	<1.8	<0.89	<1.8	<0.89	<0.89	<0.89	**12 J**	<0.89	<1.8	<18	ND
S195-15ft	2/27/2024	<25	<5.0	<87	**0.40 J**	**0.27 J**	<1.7	<0.87	<1.7	<0.87	<0.87	<0.87	**9.1 J**	<0.87	<1.7	<17	ND
S196-1ft	2/27/2024	<25	<5.0	<77	**0.9**	**0.65 J**	<1.5	**0.84**	<1.5	<0.77	<0.77	<0.77	**83**	<0.77	<1.5	<15	ND
S196-5ft	2/27/2024	<25	<5.0	<77	**1.7**	**0.69**	<1.5	**1.0**	<1.5	<0.77	<0.77	<0.77	**17**	<0.77	<1.5	<15	ND
S197-10ft	2/28/2024	<25	**5.6**	<76	**0.56 J**	**0.31 J**	<2.26	<0.76	<1.5	<0.76	<0.76	<0.76	**14 J**	<0.76	**5.7 J**	<15	ND
S198-1ft	2/28/2024	<25	**7**	<74	**0.26 J**	<0.74	<2.26	<0.74	<1.5	<0.74	<0.74	<0.74	**30**	<0.74	<1.5	<15	ND
S198-5ft	2/28/2024	<15	**4.2 J**	<72	**1.9**	**0.86 J**	**0.96 J**	<0.72	<1.4	<0.72	<0.72	<0.72	**19**	<0.72	<1.4	<14	ND
S199-1ft	2/28/2024	<25	**8.6**	<75	**1.2**	**0.37 J**	<2.26	<0.75	<1.5	<0.75	<0.75	<0.75	**17**	<0.75	<1.5	<15	ND
S199-5ft	2/28/2024	<25	**12**	<78	**0.83**	**0.27 J**	<2.36	**0.27 J**	<1.6	<0.78	<0.78	<0.78	**85**	<0.78	**5.8 J**	**5.4 J**	ND
S1910-1ft	2/28/2024	<25	**5.1**	<75	**0.83**	**0.33 J**	**1.01 J**	**0.21 J**	<1.7	<0.84	<0.84	<0.84	**75**	<0.84	<1.7	**4.0 J**	**Ethylbenzene - 0.20 J**
S1910-5ft	2/28/2024	<25	<5.0	<78	**0.68 J**	**0.52 J**	**0.32 J**	<0.84	<1.7	<0.84	<0.84	<0.84	**12 J**	<0.84	<1.7	<17	ND

Legend
Bold - analyte detected
mg/Kg - milligrams per kilogram
µg/Kg - micrograms per kilogram
ND - Non-detect (analyte not detected at or above the reporting limit)
J - Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value
F1 - MS and/or MSD recovery exceeds control limits.
DRO - Diesel Range Organics, GRO - Gasoline Range Organics
PCE - Tetrachloroethylene, TCE - Trichloroethylene
DCE - Dichloroethene

TABLE II

Laboratory Analysis of Soil - Metals

777 S. Alameda Street,

Los Angeles, California 90021

Sample ID	Date	Metals - EPA 6010B/7471A (mg/Kg)																	
		Antimony	Arsenic	Barium	Beryllium	Cadmium	Chromium	Cobalt	Copper	Lead	Lead - STLC	Lead - TCLP	Mercury	Molybdenum	Nickel	Selenium	Silver	Thallium	Vanadium	Zinc
CEB1-2ft	2/27/2024	**5.73 J**	**15.2**	**122**	0.133 J	**3.77**	**16.3**	**6.29**	**181**	**275**	**32.4**	**1.42**	**0.425**	1.77 J	**17**	<2.96	<1.48	<9.85	**25.3**	**1600**
CEB1-5ft	2/27/2024	<10.1	**1.86 J**	**91.1**	0.239 J	<0.503	**12.9**	**5.95**	**14.3**	**21.9**	--	--	**0.285**	0.636 J	**8.25**	<3.02	<1.51	<10.1	**32.3**	**45.3**
CEB1-15ft	2/27/2024	<9.85	<2.96	**47**	0.148 J	<0.493	**7.7**	**4.11**	**5.69**	13.3 J	--	--	0.0648 J	0.825 J	**4.06**	<2.96	<1.48	<9.85	**21.6**	**22.6**
CEB2-2ft	2/27/2024	<10	**3.05**	**40.3**	0.288 J	<0.500	**17**	**4.84**	**43.4**	**31.2**	--	--	**0.282**	0.550*	**11.6**	<3.00	<1.50	<10	**19.8**	**55.1**
CEB2-5ft	2/27/2024	<9.86	<2.96	**38**	0.197 J	<0.493	**4.52**	**3.59**	**5.59**	**5.67**	--	--	**0.182**	<1.97	**11.3**	1.27 J	<1.48	<9.85	**17.4**	**19.9**
CEB2-10ft	2/27/2024	<9.80 F1	<2.94	**65.4**	0.196 J	<0.490	**9.44**	**4.71**	**8.47**	1.91 J	--	--	0.0355 J	<1.96	**5.87**	<2.94	<0.80	<9.80	**25.4**	**28.2**
CEB3-2ft	2/27/2024	<9.90	<2.97	**80**	0.421 J	<0.495	**11.8**	**5.52**	**17.1**	**5.64**	--	--	**0.105**	0.681 J	**8.0**	<2.97	<1.49	<9.90	**29.1**	**36.7**
CEB3-5ft	2/27/2024	<9.80	<2.94	**65.5**	0.331 J	<0.490	**10**	**4.61**	**10.6**	**3.0**	--	--	**0.22**	<1.96	**6.57**	<2.94	<1.47	<9.80	**26.9**	**31.8**
CEB3-10ft	2/27/2024	<9.90	**1.71 J**	**82.3**	0.408 J	<0.495	**11.3**	**5.33**	**13.3**	**2.78**	--	--	0.0516 J	<1.98	**7.59**	<2.97	<1.49	<9.90	**28.5**	**34.5**
CEB3-15ft	2/27/2024	<9.95	<2.99	**28.1**	0.174 J	<0.498	**3.91**	**1.77**	**3.51**	1.42 J	--	--	0.0389 J	<1.99	1.97 J	<2.99	<1.49	<9.95	**10.8**	**13.2**
CEB4-2ft	2/27/2024	<9.85	<2.96	**56.1**	0.308 J	<0.493	**8.55**	**4.04**	**9.42**	**2.34**	--	--	0.0652 J	**1.97**	**5.52**	<2.96	<1.48	<9.85	**25.6**	**27.9**
CEB4-10ft	2/27/2024	<9.85	<2.96	**75.3**	0.369 J	<0.493	**10.8**	**5.02**	**11.8**	**2.5**	--	--	0.0504J	<1.97	**7.09**	<2.96	<1.48	<9.85	**28.5**	**32.7**
CEB4-15ft	2/27/2024	<10.1	<3.02	**34.1**	0.201 J	<0.503	**5**	**2.3**	**4.47**	1.18 J	--	--	0.0596 J	<2.01	**2.45**	<3.02	<1.51	<10.1	**16.3**	**15.2**
CEB5-2ft	2/27/2024	<9.90	<2.97	**55.8**	0.309 J	<0.495	**9.31**	**4.1**	**15.1**	**71**	--	--	**0.112**	**0.532 J**	**6.01**	<2.97	<1.49	<9.90	**25.1**	**39.5**
CEB5-5ft	2/27/2024	<9.90	<2.97	**67.7**	0.309 J	<0.495	**9.8**	**4.65**	**10.5**	**1.92 J**	--	--	<0.0817	<1.98	**6.34**	<2.97	<1.49	<9.90	**26.7**	**29.5**
CEB5-10ft	2/27/2024	<9.80	<2.94	**36.9**	0.196 J	<0.490	**3.85**	**2.02**	**4.71**	**1.41 J**	--	--	<0.0720 J	<1.96	**2.52**	<2.94	<1.47	<9.80	**10.9**	**13.7**
CEB5-15ft	2/27/2024	<9.80	<2.94	**34.5**	0.172 J	<0.490	**3.38**	**1.85**	**3.95**	**1.18 J**	--	--	0.0522 J	<1.96	**2**	<2.94	<1.47	<9.80	**10.6**	**11.6**
CEB6-2ft	2/27/2024	<10.1	<3.02	**59.2**	**0.289 J**	<0.503	**6.74**	**3.99**	**9.97**	**4.86**	--	--	0.0293 J	<2.01	**5.49**	<3.02	<1.51	<10.1	**25.4**	**26.1**
CEB6-5ft	2/27/2024	<9.85	**2.40 J**	**154**	**0.53**	<0.493	**16.6**	**7.65**	**19.3**	**3.53**	--	--	0.0401 J	<1.97	**11.3**	<2.96	<1.48	<9.85	**39.5**	**51.6**
CEB7-10ft	2/28/2024	<10.1 F1	<3.02	**53.7 F1**	**0.302 J**	<0.503	**9.37 F1**	**4.15 F1**	**8.37**	**1.66 J**	--	--	**0.402**	<2.01	**5.41 F1**	<3.02 F1	<1.51	<10.1	**28.9 F1**	**26.7 F1**
CEB8-2ft	2/28/2024	<10.2	<3.05	**66.1**	**0.178 J**	<0.508	**11.1**	**5.08**	**10.7**	**5.32**	--	--	**0.0591 J**	**0.546 J**	**6.95**	<3.05	<1.52	<10.2	**29.7**	**31.5**
CEB8-5ft	2/28/2024	<10.2	<3.06	**41.8**	**0.0893 J**	<0.510	**7.22**	**3.2**	**5.75**	**1.8 J**	--	--	**0.0466 J**	<2.04	**3.62**	<3.06	<1.53	<10.2	**21.2**	**19.4**
CEB9-2ft	2/28/2024	<10.2	<3.06	**66.4**	**0.366 J**	<0.510	**10**	**4.97**	**9.91**	**2.13**	--	--	**0.0443 J**	<2.04	**6.06**	<3.06	<1.53	<10.2	**27.7**	**30.7**
CEB9-5ft	2/28/2024	<10.2	<3.06	**92.9**	**0.217 J**	<0.510	**12.8**	**6.36**	**13.2**	**4.72**	--	--	**0.0911**	<2.04	**8.06**	<3.06	<1.53	<10.2	**33.1**	**38.8**
CEB10-2ft	2/28/2024	<10.2	**2.84 J**	**69.6**	**0.266 J**	<0.508	**8.63**	**5.99**	**23.6**	**8.53**	--	--	**0.0491 J**	<2.03	**10.6**	<3.05	<1.52	<10.2	**29.2**	**57**
CEB10-5ft	2/28/2024	<10.2	**1.62 J**	**71.8**	**0.140 J**	<0.508	**10.9**	**5.09**	**9.02**	**1.99**	--	--	**0.0429 J**	<2.03	**6.68**	<3.05	<1.52	<10.2	**29.6**	**30.9**

Legend

Bold - analyte detected

mg/Kg - milligrams per kilogram

-- Not Analyzed

J - Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

F1 - MS and/or MSD recovery exceeds control limits.

TABLE 1 - LABORATORY RESULTS OF SOIL GAS SAMPLING

ENVIRONMENTAL CONCERNS (RECs)								
Location/Rationale	Sample ID	Date Sampled	Sample Depth (feet bgs)	VOCs (ug/l)				
				PCE	Benzene	Xylenes	Ethylbenzene	All Others
Former Machine Shop	SG-17	1/30/2013	5	ND<0.10	ND<0.10	ND<0.50	ND<0.50	ND<0.10-1.0
	SG-18	1/30/2013	5	ND<0.10	ND<0.10	**0.70**	ND<0.50	ND<0.10-1.0
Former Paint Shop and Paint Mixing Area	SG-7	1/29/2013	5	ND<0.10	ND<0.10	ND<0.50	ND<0.50	ND<0.10-1.0
	SG-9	1/29/2013	5	ND<0.10	**0.20**	**0.84**	ND<0.50	ND<0.10-1.0
	SG-10	1/29/2013	5	ND<0.10	ND<0.10	ND<0.50	ND<0.50	ND<0.10-1.0
Former Oil House	SG-16	1/30/2013	5	ND<0.10	ND<0.10	ND<0.50	ND<0.50	ND<0.10-1.0
Former Repair Shop	SG-4	1/29/2013	5	ND<0.10	**0.20**	ND<0.50	ND<0.50	ND<0.10-1.0
	SG-5	1/29/2013	5	ND<0.10	ND<0.10	ND<0.50	ND<0.50	ND<0.10-1.0
CHHSLi				1.60	0.28	2,400	3.60	Various

ENVIRONMENTAL INTERESTS								
Location/Rationale	Sample ID	Date Sampled	Sample Depth (feet bgs)	VOCs (ug/l)				
				PCE	Benzene	Xylenes	Ethylbenzene	All Others
Site screening and historical activities associated with the former occupants of Building 2 and 3	SG-1	1/29/2013	5	ND<0.10	ND<0.10	ND<0.50	ND<0.50	ND<0.10-1.0
	SG-3	1/29/2013	5	ND<0.10	ND<0.10	ND<0.50	ND<0.50	ND<0.10-1.0
Site screening, historical activities associated with the former occupants of Building 2 and 3, and two existing clarifiers	SG-2	1/29/2013	5	ND<0.10	ND<0.10	ND<0.50	ND<0.50	ND<0.10-1.0
Site screening and historical activities associated with the former occupants of Buildings 3 and 4	SG-4	1/29/2013	5	ND<0.10	**0.20**	ND<0.50	ND<0.50	ND<0.10-1.0
	SG-5	1/29/2013	5	ND<0.10	ND<0.10	ND<0.50	ND<0.50	ND<0.10-1.0
	SG-6	1/29/2013	5	ND<0.10	ND<0.10	ND<0.50	ND<0.50	ND<0.10-1.0
Area of Former USTs	SG-8	1/29/2013	5	ND<0.10	ND<0.10	ND<0.50	ND<0.50	ND<0.10-1.0
Former Woodworking, Carpenter, and Planing Mill	SG-11	1/29/2013	5	ND<0.10	ND<0.10	ND<0.50	ND<0.50	ND<0.10-1.0
	SG-12	1/29/2013	5	ND<0.10	**0.10**	ND<0.50	ND<0.50	ND<0.10-1.0
Site screening and historical activities associated with Building 1	SG-13	1/29/2013	5	ND<0.10	ND<0.10	ND<0.50	ND<0.50	ND<0.10-1.0
			5 (Dup.)	ND<0.10	ND<0.10	ND<0.50	ND<0.50	ND<0.10-1.0
	SG-14	1/29/2013	5	ND<0.10	ND<0.10	ND<0.50	ND<0.50	ND<0.10-1.0
Site Screening and Former Lumbar Storage	SG-15	1/30/2013	5	ND<0.10	ND<0.10	ND<0.50	ND<0.50	ND<0.10-1.0
			5 (Dup.)	ND<0.10	ND<0.10	ND<0.50	ND<0.50	ND<0.10-1.0
Site screening and historical off-site gas plant	SG-19	1/30/2013	5	ND<0.10	ND<0.10	ND<0.50	ND<0.50	ND<0.10-1.0
Site Screening	SG-20	1/30/2013	5	ND<0.10	ND<0.10	ND<0.50	ND<0.50	ND<0.10-1.0
	SG-21	1/30/2013	5	ND<0.10	**0.12**	**0.91**	ND<0.50	ND<0.10-1.0
	SG-22	1/30/2013	5	**1.30**	ND<0.10	6.0	1.10	ND<0.10-1.0
	SG-24	1/30/2013	5	1.60	ND<0.10	0.84	ND<0.50	ND<0.10-1.0
Site screening and Former Electrical Construction Department	SG-23	1/30/2013	5	**0.12**	ND<0.10	ND<0.50	ND<0.50	ND<0.10-1.0
CHHSLi				1.60	0.28	2,400	3.60	Various

Notes:

Sample ID - sample identification

feet bgs - feet below the ground surface

ug/l - micrograms per liter

VOCs - volatile organic compounds analyzed in accordance with EPA Method No. 8260B

PCE - tetrachloroethylene

Dup. - duplicate sample

NA - not available

CHHSLi - California Human Health Screening Levels for commercial/industrial land uses, Table 2 - Soil-Gas Screening Numbers for Volatile Chemicals below Buildings Constructed with Engineered Fill below Sub-slab Gravel dated September 23, 2010

7801 Herbert Street
Los Angeles, California

February 14, 2013
Project No. 10067-002-01

TABLE 2: LABORATORY RESULTS OF SOIL SAMPLES

ENVIRONMENTAL CONCERNS (RECs)

Location/Rationale	Sample ID	Date Sampled	Sample Depth (feet bgs)	TPHdx (mg/kg)			VOCs (mg/kg)	Metals (mg/kg)															PAHs (mg/kg)	PCBs (mg/kg)
				TPHg	EPHd	TPHo		Antimony	Silver	Arsenic	Barium	Beryllium	Cadmium	Chromium	Cobalt	Copper	Lead	Molybdenum	Nickel	Selenium	Thallium	Vanadium	Zinc	Mercury	
Former Machine Shop	SG-12r	1/16/2013	5	ND<1.0	ND<10	19b	ND<0.005	ND<3	ND<1	4.2	320	ND<1	ND<1	28	6.3	39	500	ND<5	30	ND<5	ND<2	22	160	ND<0.10	...	...
	SG-13b	1/16/2013	5	ND<1.0	ND<10	ND<10	ND<0.005	ND<3	ND<1	3.5	86	ND<1	ND<1	9.7	5.2	8.9	ND<5	ND<5	5.1	ND<5	ND<2	19	80	ND<0.10	...	...
Former Paint Shop and Paint Mixing Area	SG-9b	1/15/2013	5	ND<1.0	ND<10	ND<10	NA	ND<3	ND<1	ND<1	74	ND<1	ND<1	2.6	4.5	10	ND<5	ND<5	8.3	ND<5	ND<2	30	38	ND<0.10	...	...
Former Oil House	SG-14r	1/16/2013	5	ND<1.0	ND<10	ND<10	ND<0.005	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Former Repair Shop and former basements of buildings 1 and 4	SG-4b	1/14/2013	5	ND<1.0	ND<10	ND<10	ND<0.005	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	ND<0.050
	SG-5r	1/14/2013	5	ND<1.0	ND<10	ND<10	ND<0.005	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
CHHSLs				NA	NA	NA	NA	380	4.8DE	0.24	63,000	130	7.5	130,000	3,200	33,000	320	4,800	26,000	4,800	63	8,100	200,000	180	NA	NA
RSL				NA	NA	NA	Various	410	5,100	1.6	15,000	7,200	690	NA	900	41,000	800	5,100	NA	5,100	NA	1,000	310,000	43	Various	Various
AWQCB Guidelines				100	500	1,000	Various	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

ENVIRONMENTAL INTERESTS

Location/Rationale	Sample ID	Date Sampled	Sample Depth (feet bgs)	TPHdx (mg/kg)			VOCs (mg/kg)	Metals (mg/kg)															PAHs (mg/kg)	PCBs (mg/kg)
				TPHg	EPHd	TPHo		Antimony	Silver	Arsenic	Barium	Beryllium	Cadmium	Chromium	Cobalt	Copper	Lead	Molybdenum	Nickel	Selenium	Thallium	Vanadium	Zinc	Mercury	
Site screening and historical activities associated with the former occupants of buildings 2 and 3	SG-1r	1/15/2013	5	ND<1.0	ND<10	11	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	ND<0.050
Site screening, historical activities associated with the former occupants of buildings 2 and 3, and two existing facilities	SG-2r	1/15/2013	5	ND<1.0	ND<10	ND<10	ND<0.005	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Site screening and former occupants of buildings 3 and 4	SG-3b	1/15/2013	5	ND<1.0	ND<10	ND<10	ND<0.005	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	SG-8b	1/17/2013	5	ND<1.0	ND<10	ND<10	ND<0.005	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Site screening (and historical activities associated with the gas plant	SG-7b	1/30/2013	5	ND<1.0	ND<10	ND<10	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	ND<0.005-0.010	...
Site screening and former Electrical Construction Department	SG-10r	1/30/2013	5	ND<1.0	ND<10	ND<10	ND<0.005	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
CHHSLs				NA	NA	NA	NA	380	4.8DE	0.24	63,000	130	7.5	130,000	3,200	33,000	320	4,800	26,000	4,800	63	8,100	200,000	180	NA	NA
RSL				NA	NA	NA	Various	410	5,100	1.6	15,000	7,200	690	NA	900	41,000	800	5,100	NA	5,100	NA	1,000	310,000	43	Various	Various
AWQCB Guidelines				100	500	1,000	Various	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Notes:

Sample ID - Sample location and depth

bold font - Table 1 of the Cosco Busan Report

DE - Concentration is between the PEL and the ERL

bgs - below ground surface

ERL - Effects Range-Low: Concentration above which adverse effects are expected to occur often (Long et al., 1995)

Metals - refer to Table 22 in the Cosco Busan Report for a description of the metals analyzed

Mercury - Samples were analyzed for total mercury and methyl mercury. Methyl mercury was not detected above the laboratory reporting limits. Total mercury was detected above the laboratory reporting limits in some samples. Refer to Table 22 in the Cosco Busan Report for a description of the mercury analyzed

Color - Indicates visual staining observed in the soil sample

TPHg - Total petroleum hydrocarbons as gasoline analyzed by EPA Method No. 8015

TPHd - Total petroleum hydrocarbons as diesel analyzed by EPA Method No. 8015

TPHo - Total petroleum hydrocarbons as motor oil analyzed by EPA Method No. 8015

VOCs - Volatile organic compounds analyzed by EPA Method No. 8260

PAHs - Polycyclic aromatic hydrocarbons analyzed by EPA Method No. 8270

PCBs - Polychlorinated biphenyls analyzed by EPA Method No. 8082

ND - Not detected at or above the laboratory reporting limit

-- - Not analyzed

NA - Not available

CHHSLs - California environmental screening levels for residential land use (see Table 1 - Soil screening methods for human health exposure to COPCs compiled by California Environmental Protection Agency, Department of Toxic Substances Control, September 10, 2010)

AWQCB - California Regional Water Quality Control Board, San Francisco Region, Water Quality Control Plan, Appendix A, Table A-1, Maximum Soil Screening Levels for Ingestion, Dermal Contact and Inhalation Pathways, Direct Exposure, dated May 1999

RSL - Regional Screening Levels - Regional Water Quality Control Board, San Francisco Region, Water Quality Control Plan, Appendix A, Table A-1, Maximum Soil Screening Levels for Ingestion, Dermal Contact and Inhalation Pathways, Direct Exposure, dated May 1999, Table A-2, Maximum Soil Screening Levels for Soil Gas Effects and Migration to Groundwater Concerns, Shallow Soils less than or equal to 10 meters deep, screening depth to groundwater assumed to be 5 feet bgs

TABLE III

Laboratory Analysis of Soil Gas & Ambient Air - VOCs

777 S Alameda Street

Los Angeles, California 90021

Sample ID	Date	EPA Method TO-15 (µg/m³)													
		B	T	E	X	PCE	TCE	Acetone	Carbon Disulfide	Vinyl Chloride	1,1,1-Trichloroethane	Chloroform	R12	R13	LCC	All Other Detected Analytes
CESG 1-15ft	2/29/2024	<75	<75	<75	<225	**6500 **d**	<90	<300	<75	<75	<90	<75	<75	**170**	<300	ND
CESG 1-15ft DUP	2/29/2024	<75	<75	<75	<225	**4800 ****	<90	<300	<75	<75	<90	<75	<75	**810**	<300	ND
CESG 1-25ft	2/29/2024	<20	**99**	**150**	**960**	**1800 **b**	<24	<80	<20	<20	<24	<20	**21**	**100**	<80	ND
CESG 2-25ft	2/29/2024	<20	<20	**33**	**256**	**3300 **a**	<24	<80	<20	<20	<24	<20	**45**	**68**	<80	ND
CESG 3-15ft	2/29/2024	<2.5	**3.3**	**83**	**360 **b**	**230 **b**	<3.0	**18**	**2.6**	<2.5	<3.0	<2.5	**8.1**	**16**	<10	2-Hexanone 18 µg/m³
CESG 3-25ft	2/29/2024	<20	<20	**33**	**271**	**890**	<24	<80	<20	<20	<24	<20	**30**	**25**	<80	ND
CESG 4-25ft	2/29/2024	<20	**25**	**62**	**402**	**2600 **c**	<24	<80	<20	<20	<24	<20	**70**	**130**	<80	ND
CESG 5-15ft	2/29/2024	<20	**27**	<20	<60	**420**	<24	<80	<20	<20	<24	<20	**23**	**27**	<80	ND
CESG 5-25ft	2/29/2024	<20	<20	**39**	<7.5	**860**	<24	<80	<20	<20	<24	<20	**35**	**43**	<80	ND
CESG 6-25ft	2/29/2024	<20	<20	**39**	**316**	**2900 **c**	<24	<80	<20	<20	<24	<20	**53**	**110**	<80	ND
CESG 7-15ft	2/29/2024	<20	<20	<20	**67**	**460**	<24	<80	<20	<20	<24	<20	**25**	**52**	<80	ND
CESG 7-25ft	2/29/2024	<20	<20	**230**	**1410 **a**	**1400 **a**	<24	<80	<20	<20	<24	<20	**32**	**78**	<80	ND
CESG 8-25ft	2/29/2024	<20	<20	**20**	**151**	**550**	<24	<80	<20	<20	<24	<20	**86**	**62**	<80	ND
CESG 9-15ft	2/29/2024	<20	**27**	**44**	**275**	**130**	<24	<80	<20	<20	<24	<20	**69**	**34**	<80	ND
CESG 9-25ft	2/29/2024	<20	<20	**39**	**264**	**800**	<24	<80	<20	<20	<24	<20	**110**	**54**	<80	ND
CESG 10-25ft	2/29/2024	<20	<20	<20	<60	**510**	<24	<80	<20	<20	<24	<20	<20	<24	<80	ND
Ambient Air	2/29/2024	<2.5	<2.5	<2.5	<7.5	<3.5	<3.0	**19**	<2.5	<2.5	<3.0	<2.5	<2.5	<3.0	<10	**Isobutane - 2.5 µg/m³**

Legend

Bold - Analyte Detected

ND - Non-detect (analyte NOT DETECTED at or above the reporting limit)

** - Result obtained from DF=120

**a - Result obtained from DF=25

**b - Result obtained from DF=30

**c - Result obtained from DF=50

**d - Result obtained from DF=60

**e - Result obtained from DF=75

B – Benzene; T - Toluene; E - Ethylbenzene; X – Xylene; PCE – Tetrachloroethene; TCE – Tricholoroethene;
R12 - Dichlorodifluoromethane; R11 - Trichlorofluoromethane; LCC (Leak Check Compound) - Isopropanol

Appendix D.8

Transportation Assessment



TRANSPORTATION ASSESSMENT FOR THE ROW DTLA RESIDENTIAL PROJECT

LOS ANGELES, CALIFORNIA

MARCH 2025

PREPARED FOR

ALAMEDA SQUARE OWNER LLC

PREPARED BY

Gibson transportation consulting, inc.

TRANSPORTATION ASSESSMENT
FOR THE
ROW DTLA RESIDENTIAL PROJECT

LOS ANGELES, CALIFORNIA

March 2025

Prepared for:

ALAMEDA SQUARE OWNER LLC

Prepared by:

GIBSON TRANSPORTATION CONSULTING, INC.
655 N. Central Avenue, Suite 920
Glendale, California 91203
(213) 683-0088

Ref: J1306a

Table of Contents

1. Introduction 1
   - Project Description 1
   - Project Location 2
   - Study Scope 3
   - Organization of Report 3

2. Project Context 6
   - Study Area 6
   - Existing Transportation Conditions 7
   - Future Cumulative Transportation Conditions 12

3. Project Traffic 32
   - Project Description 32
   - Project Trip Generation 32
   - Project Trip Distribution 33
   - Project Trip Assignment 34

4. CEQA Analysis of Transportation Impacts 39
   - Methodology 39

   Section 4A: Threshold T-1 – Conflicting with Plans, Programs, Ordinances, or Policies Analysis 40
   - Plans, Programs, Ordinances, and Policies 40
   - Cumulative Analysis 46

   Section 4B: Threshold T-2.1 – Causing Substantial VMT Analysis 56
   - VMT Methodology 56
   - Project VMT Analysis 60
   - Cumulative Analysis 61

   Section 4C: Threshold T-2.2 – Substantially Inducing Additional Automobile Travel Analysis 64

   Section 4D: Threshold T-3 – Substantially Increasing Hazards Due to a Geometric Design Feature or Incompatible Use Analysis 65
   - Project Hazards Analysis 65
   - Cumulative Analysis 68
   - Freeway Safety Analysis 68

Table of Contents, cont.

5. Non-CEQA Transportation Analysis 70

Section 5A – Pedestrian, Bicycle, and Transit Assessment 71
Existing Facilities 71
Intensification of Use 72
Conclusion 72

Section 5B – Project Access, Safety, and Circulation Assessment 73
Project Access 73
Operational Evaluation 74
Intersection Queuing Analysis 76
Recommended Actions 77

Section 5C – Residential Street Cut-Through Analysis 85

Section 5D – Project Construction Assessment 87
Construction Evaluation Criteria 87
Proposed Construction Schedule 88
Peak Haul Truck Activity Phases 88
Peak Worker Activity Phases 90
Potential Impacts on Access, Transit, and Parking 91
Construction Traffic Management Plan 92

Section 5E – Parking Assessment 95
Vehicle Parking Code Requirements 95
Bicycle Parking Code Requirements 95

6. Summary and Conclusions 97

References

Appendix A: Memorandum of Understanding
Appendix B: Traffic Volume Data
Appendix C: CEQA T-1 Plans, Policies, Programs Consistency Worksheet
Appendix D: VMT Analysis Worksheets
Appendix E: HCM Analysis Worksheets

List of Figures

NO.

1	Development Area Site Plan	4
2	Project Site Location	5
3	Study Area and Analyzed Intersections	17
4	Intersection Lane Configurations	18
5	Existing Intersection Mobility Facilities	19
6	Mobility Plan Street Designations	20
7	Pedestrian Destinations	21
8	Existing Transportation Facilities	22
9	Existing Transit Service	23
10	Existing Conditions (Year 2024) Peak Hour Traffic Volumes	24
11	Locations of Related Projects	25
12	Related Project-Only Peak Hour Traffic Volumes	26
13	Future without Project Conditions (Year 2032) Peak Hour Traffic Volumes	27
14	Mobility Plan Roadway Modal Priorities.	28
15A	Project Trip Distribution – Building C	35
15B	Project Trip Distribution – Buildings A & B	36
16	Total Project-Only Peak Hour Traffic Volumes	37
17	Existing with Project Conditions (Year 2024) Peak Hour Traffic Volumes	79
18	Future with Project Conditions (Year 2032) Peak Hour Traffic Volumes	80

List of Tables

NO.

1	Study Intersections	29
2	Existing Transit Service in Study Area	30
3	Related Projects List	31
4	Project Vehicle Trip Generation Estimates	38
5	Project Consistency with Mobility Plan 2035	48
6	Project Consistency with Plan for a Healthy Los Angeles	51
7	Project Consistency with Downton Community Plan	52
8	Project Consistency with Citywide Design Guidelines	55
9	VMT Analysis Summary	63
10	Intersection Level of Service Definitions	81
11	Existing Conditions (Year 2024) Intersection Levels of Service	82
12	Future Conditions (Year 2032) Intersection Levels of Service	83
13	Queuing Analysis – Future Conditions (Year 2032)	84
14	Bicycle Code Parking Requirements	96

Chapter 1
Introduction

This study presents the transportation assessment for the Row DTLA Residential Project (Project) located at 757-787 S. Alameda Street, 1318-1396 E. 7th Street, 136-196 S. Central Avenue, 1301-1327 E. 8th Street, 700-760 S Market Court, 720-746 S. Terminal Street, 760 S. Warehouse Street, Los Angeles, CA 90021 (Project Site) presently known as ROW DTLA in *Downtown Community Plan* (Los Angeles Department of City Planning [LADCP], adopted May 2023/effective January 2025) area of the City of Los Angeles, California (City). The methodology and base assumptions used in the analysis were established in consultation with the Los Angeles Department of Transportation (LADOT).

PROJECT DESCRIPTION

The Project proposes the redevelopment of two existing surface parking lots (Development Area) into a mixed-use development consisting of three eight-story buildings to be located on the north and south sides of Center Street, on the eastern edge of the Project Site. A total of 1,000 residential units are included, with 11% designated as affordable, along with a total of 6,547 square feet (sf) of ground floor commercial space.

- Building A is located south of Center Street and includes 410 residential units (including 47 affordable units) and 1,119 sf commercial space.
- Building B is located south of Center Street and includes 214 residential units (including 24 affordable units).
- Building C is located north of Center Street and includes 376 residential units (including 43 affordable units) and 5,428 sf commercial space.

The Project would provide approximately 1,000 vehicle parking spaces within subterranean parking. Buildings A,B, and C would include two levels of subterranean parking. Passenger loading and drop-off areas would be provided internal to the Development Area. The Project

would also provide bicycle parking spaces, including 479 long-term and 50 short-term spaces, as required by the Los Angeles Municipal Code (LAMC). Pedestrian and bicycle access would be provided separate from the vehicular access via residential lobbies and commercial entrances located along the Project frontages on Alameda Street and Center Street. The Project is anticipated to be completed in Year 2032. The conceptual ground level Project site plan is illustrated in Figure 1.

PROJECT LOCATION

The Project Site is in City Council District 14 and is comprised of two Los Angeles County Assessor parcels (Assessor Parcel Numbers 5146-009-008 and 5146-009-003). As illustrated in Figure 2, the Project Site is generally bounded by 7th Street to the north, Alameda Street to the east, Bay Street to the south, and industrial uses to the west, and the Development Area consists of the two existing surface parking lots fronting Alameda Street. The Project Site is also located approximately 0.6 miles north of Interstate 10 (I-10), which provides regional transportation between downtown Los Angeles and Santa Monica (approximately 15.00 miles west).

The Project is located within a Transit Priority Area, which is defined per Public Resources Code Section 21099 (a) as an area within 0.50 miles of an existing or planned major transit stop. A major transit stop, as defined per Public Resources Code Section 21064.3, which was amended by California Assembly Bill 2553 (Friedman, 2024), is a fixed-rail station or an intersection of two or more bus routes with service intervals of 20 minutes or less during the morning and afternoon commuter peak periods. The Project is located approximately 0.25 miles southeast of the intersection of Central Avenue & 6th Street, which is a major transit stop served by two or more bus lines with a 20-minute service interval during the morning and afternoon commute periods. Specifically, Los Angeles County Metropolitan Transportation Authority (Metro) Lines 16, 18, 53, 60, 62, and 720 are available at this intersection.[1] In addition, the Little Tokyo/Arts District Station (Metro A and E Lines) is approximately 1.0 miles north and Union Station (Metro A, B, D, and J Lines, other local/regional transit lines, and commuter rail) is approximately 1.5 miles north of the Project Site along Alameda Street.

[1] All lines listed except Metro Line 62 operate with service intervals of 20 minutes or less during morning and afternoon peak periods.

STUDY SCOPE

The scope of analysis for this study was developed in consultation with LADOT and is consistent with its *Transportation Assessment Guidelines* (updated August 2022) (TAG). It is in compliance with the California Environmental Quality Act (CEQA) Guidelines (California Code of Regulations, Title 14, Section 15000 and following).

The base assumptions and technical methodologies (i.e., vehicle miles traveled [VMT], trip generation, study locations, analysis methodology, etc.) were identified and agreed to in a Transportation Assessment Memorandum of Understanding (MOU), which was reviewed and approved by LADOT in December 2023. A copy of the signed MOU is provided in Appendix A.

ORGANIZATION OF REPORT

This report is divided into six chapters, including this introduction. Chapter 2 describes the Project Context including the study area and existing and future cumulative transportation conditions. Chapter 3 presents the Project Traffic including the Project trip generation, trip distribution, and trip assignment. Chapter 4 details the CEQA Analysis of Transportation Impacts including TAG Thresholds T-1 through T-3 and the Freeway Safety Analysis. Chapter 5 details the Non-CEQA Transportation Analyses including the pedestrian, bicycle, and transit assessments, Project access, safety, and circulation assessments, residential street cut-through analysis, construction analysis, and parking analysis. Chapter 6 summarizes the analyses and study conclusions. The appendices contain supporting documentation, including the MOU that outlines the study scope and assumptions, and additional details supporting the technical analyses.



Source: KFA Architecture, January, 2025

LEGEND

Project Site ROW

Development Area

N
Not to Scale

DEVELOPMENT AREA SITE PLAN

FIGURE 1



PROJECT SITE LOCATION

FIGURE 2

Chapter 2

Project Context

A comprehensive data collection effort was undertaken to develop a detailed description of existing and future conditions in the Project Study Area, which is illustrated in Figure 3. The Existing Conditions analysis includes an assessment of the existing freeway and street systems, an analysis of traffic volumes and current operating conditions, and an assessment of the existing public transit service, as well as pedestrian and bicycle circulation, at the time of the MOU approval in December 2023. An inventory of lane configurations, signal phasing, parking restrictions, etc., for the analyzed intersections was also collected, along with the peak period traffic counts provided in Appendix B.

In addition, this Chapter contains a discussion of the future conditions detailing the assumptions used to develop the Future without Project Conditions in Year 2032, which correspond to anticipated occupancy of the Project.

STUDY AREA

As noted above, Figure 3 illustrates the operational analysis Study Area, which includes six study intersections detailed in Table 1. The intersections were selected in consultation with LADOT based on the following factors identified in the TAG:

1. Primary Project driveway(s)
2. Intersections at either end of the block on which the Project is located or up to 600 feet from the primary Project driveway(s)
3. Unsignalized intersections that are adjacent to the Project site or that are expected to be integral to the Project's site access and circulation plan
4. Signalized intersections in proximity to the Project site where 100 or more net new peak hour Project trips would be added

The existing lane configurations at the analyzed intersections are illustrated in Figure 4.

EXISTING TRANSPORTATION CONDITIONS

Existing Street System

The existing street system in the Study Area consists of a regional roadway system including freeways, arterials, collector, and local streets that provide regional, sub-regional, or local access and circulation within the Study Area. These transportation facilities generally provide two to six travel lanes and usually allow parking on either side of the street. Typically, the speed limits range between 15 and 40 miles per hour (mph) on the streets and between 55 and 65 mph on freeways.

Street classifications are designated in *Mobility Plan 2035, An Element of the General Plan* (LADCP, September 2016) (Mobility Plan). The Mobility Plan defines specific street standards to provide an enhanced balance between traffic flow and other important street functions including transit routes and stops, pedestrian environments, bicycle routes, building design and site access, etc. Per the Mobility Plan, street classifications are defined as follows:

- Freeways are high-volume, high-speed roadways with limited access provided by interchanges that carry regional traffic through and do not provide local access to adjacent land uses.
- Arterial Streets are major streets that serve through traffic, as well as provide access to major commercial activity centers. Arterials are divided into two categories:
    - Boulevards represent the widest Arterial Streets that typically provide regional access to major destinations and include two categories:
        - Boulevard I provides up to four travel lanes in each direction with a target operating speed of 40 mph and generally includes a right-of-way (ROW) width of 136 feet and pavement width of 100 feet.
        - Boulevard II provides up to three travel lanes in each direction with a target operating speed of 35 mph, and generally includes a ROW width of 110 feet, and pavement widths of 80 feet.
    - Avenues are typically narrow arterials that pass through both residential and commercial areas and include three categories:
        - Avenue I provides up to two travel lanes in each direction with a target operating speed of 35 mph, with a ROW width of 100 feet and pavement width of 70 feet.

- Avenue II provides up to two travel lanes in each direction with a target operating speed of 30 mph, with a ROW width of 86 feet and pavement width of 56 feet.

- Avenue III provides up to two travel lanes in each direction with a target operating speed of 25 mph, with a ROW width of 72 feet and pavement width of 46 feet.

- Collector Streets are generally located in residential neighborhoods and provide access to and from Arterial Streets for local traffic and are not intended for cut-through traffic. They provide one travel lane in each direction with operating speeds of 25 mph and a ROW width of generally 66 feet and pavement width of 40 feet.

- Local Streets are intended to accommodate lower volumes of vehicle traffic and provide parking on both sides of the street. They provide one travel lane in each direction with a target operating speed of 15 to 20 mph. Pavement widths may vary between 30-36 feet within a ROW width of 50-60 feet. Local Streets include two categories:

    - Continuous Local Streets connect to other streets at both ends.

    - Non-continuous Local Streets lead to a dead-end.

Primary regional access to the Project Site is provided by I-10, US Route 101 (US 101), and Interstate 5 (I-5). The arterials providing access to the Project Site include Alameda Street and 7th Street. The following is a brief description of the roadways in the Study Area, including their classifications under the Mobility Plan:

Freeways

- I-10 – I-10 generally runs in the east-west direction and is located approximately 0.5 miles southeast of the Project Site. In the vicinity of the Project Site, I-10 provides three to five travel lanes in each direction. Access to and from I-10 is available via interchanges at 8th Street, Porter Street, Mateo Street, Santa Fe Street, Olympic Boulevard and Alameda Street.

- US 101 – US 101 generally runs in the north-south direction and is located less than 1.0 miles east of the Project Site. In the vicinity of the Project Site, US 101 provides three travel lanes in each direction. Access to and from US 101 is available via interchanges at Alameda Street, Vignes Street, Commercial Street, 4th Street, 7th Street, Whittier Boulevard.

- I-5 – I-5 generally runs in the north-south direction and is located less than 1.0 miles east of the Project Site. In the vicinity of the Project Site, I-5 provides five travel lanes in each direction. Access to and from I-5 is available via interchanges at 4th Street, 7th Street, and Boyle Avenue.

Roadways

- Alameda Street – Alameda Street is a designated Avenue I. It travels in the north-south direction and is located adjacent to the eastern boundary of the Project Site. It provides four travel lanes, two in each direction, with left-turn lanes at intersections and a two-way left-turn median. On-street parking is generally prohibited within the Study Area.

- Olympic Boulevard – Olympic Boulevard is a designated Avenue I. It travels in the east-west direction and is located south of the Project Site. It provides four travel lanes, two in each direction, with left-turn lanes at intersections. Unmetered parking is generally available on both sides of the street west of Alameda Street within the Study Area.

- Central Avenue – Central Avenue is a designated Avenue I. It travels in the north-south direction and is located west of the Project Site. It provides four travel lanes, two in each direction. Metered parking is generally available on both sides of the street north of 7th Street and unmetered parking is generally available on the west side of the street south of 7th Street within the Study Area.

- 7th Street – 7th Street is a designated Avenue II. It travels in the east-west direction and is located to the northern boundary of the Project Site. It provides four travel lanes, two in each direction, with left-turn lanes at intersections. Unmetered parking is generally available on both sides of the street within the Study Area.

- Warehouse Street – Warehouse Street is a designated Local Street along the Project Site and an unidentified street/private street south of the Project Site. It travels in the north-south direction and is located to the western boundary of the Project Site. It provides two travel lanes, one in each direction. On-street parking is generally prohibited within the Study Area.

- Bay Street – Bay Street is a designated Collector east of Alameda Street and a private street west of Alameda Street/internal to the Project Site. It travels in the east-west direction and is located east of the Project Site. It provides two travel lanes, one in each direction. Unmetered parking is generally available on both sides of the street east of Alameda Street.

- Center Street – Center Street is an unidentified/private street that bifurcates the Project Site. It travels in the east-west direction and provides two travel lanes, one in each direction. On-street parking is generally prohibited within the Study Area.

As required in the TAG, an inventory was conducted of facilities serving pedestrians, bicyclists, and transit riders. The existing mobility facilities at each of the analyzed Study Area intersections are detailed in Figure 5 and the existing Mobility Plan designations and pedestrian destinations within the Study Area are shown in Figure 6.

Existing Pedestrian Facilities

Figure 7 identifies the local-serving commercial uses, cultural uses, and institutional facilities within 0.25 miles of the Project Site considered pedestrian destinations. An inventory was collected of existing transportation facilities serving pedestrians, bicyclists, and transit riders within the Project Site vicinity that support pedestrian activity to and from the pedestrian destinations, as shown in Figure 8.

The walkability of existing facilities is based on the availability of pedestrian routes necessary to accomplish daily tasks without the use of an automobile. These attributes are quantified by WalkScore.com and assigned a score out of 100 points. With the various commercial businesses and cultural facilities adjacent to residential neighborhoods, the walkability of the Project Site is approximately 85 points[2].

Along the Project frontages, approximately 15-foot-wide sidewalks are provided along Alameda Street and 7th Street. The adjacent signalized study intersection of Alameda Street & 7th Street (Intersection #3) provides pedestrian facilities, including curb ramps on all approaches, pedestrian phasing, and high-visibility crosswalk striping, as shown in Figure 5. Additional pedestrian facilities located within the Project Site vicinity are illustrated in Figure 8.

Vision Zero. As described in the City's *Vision Zero: Eliminating Traffic Deaths in Los Angeles by 2025* (August 2015), Vision Zero is a traffic safety policy that promotes strategies to eliminate transportation-related collisions that result in severe injury or death. Vision Zero has identified the High Injury Network (HIN), a network of streets included based on collision data from 2012 to 2016[3], where strategic investments will have the biggest impact in reducing death and severe injury. The Project Site is located adjacent to 7th Street, which is identified in the HIN. As depicted in Figure 8, Central Avenue, Olympic Boulevard, and Alameda Street south of Olympic Boulevard have also been identified in the HIN.

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[2] Walk Score (www.walkscore.com) rates the Project Site with a score of 85 of 100 possible points (scores accessed on January 15, 2024, for 747 S Alameda Street). Walk Score calculates the walkability of specific addresses by considering the ease of living in the neighborhood with a reduced reliance on automobile travel.

[3] *LADOT Announces update to Vision Zero High Injury Network* (LADOT, May 15, 2018) provides the latest update to the City's Vision Zero program (https://ladotlivablestreets.org/news/HIN-update).

Existing Bicycle System

Based on *2010 Bicycle Plan, A Component of the City of Los Angeles Transportation Element* (LADCP, adopted March 1, 2011) (2010 Bicycle Plan), the existing bicycle system consists of a limited network of bicycle lanes (Class II) and bicycle routes (Class III). Class II bicycle lanes are a component of street design with dedicated striping, separating vehicular traffic from bicycle traffic. Class III bicycle routes and bicycle-friendly streets are those where motorists and cyclists share the roadway and there is no separated striping for bicycle travel. Bicycle routes and bicycle-friendly streets are preferably placed on Collector and lower-volume Arterial Streets. Bicycle routes with shared lane markings, or "sharrows", remind bicyclists to ride farther from parked cars to prevent collisions, increase awareness of motorists that bicycles may be in the travel lane, and shows bicyclists the correct direction of travel.

The components of the 2010 Bicycle Plan have been incorporated into the bicycle network of the Mobility Plan. The Mobility Plan consists of a Bicycle Enhanced Network (Low-Stress Network) (BEN) and a Bicycle Lane Network (BLN). The BEN is a subset of and supplement to the 2010 Bicycle Plan and is comprised of a network of streets that prioritize bicyclists and provide bicycle paths (Class I) and protected bicycle lanes (Class IV). Class IV protected bicycle lanes, including cycle tracks, bicycle traffic signals, and demarcated areas to facilitate turns at intersections and along neighborhood streets, provide further protection from other travel lanes. Class IV networks often provide mini-roundabouts, cross-street stop signs, crossing islands at major intersection crossings, improved street lighting, bicycle boxes, and bicycle-only left-turn pockets. Once implemented, these facilities would offer a safer environment for both cyclists and motorists. The BLN consists of Class II bicycle lanes with striped separation from motorized vehicle traffic and Class III bicycle lanes (sharrows).

In addition, bike-share facilities provide accessible and affordable short-term bicycle rentals to complete first-mile/last-mile connections. Within the City, the Metro Bike Share program currently services downtown Los Angeles, Central Los Angeles, Hollywood, North Hollywood, Westwood, and the Westside.

As shown in Figure 8, there are currently Class II bicycle lanes on 7th Street east of Central Avenue and Class IV protected bicycle lanes on Central Avenue and on 7th Street west of Central Avenue.

Existing Transit System

Figure 9 illustrates the existing transit service operated by Metro and transit stops within the Study Area. Table 2 details the transit lines currently operating in the Study Area for each of the service providers in the region, the type of service (peak vs. off-peak, express vs. local), and the frequency of service, as described above. The average frequency of transit service during the peak hour was derived from the number of peak-period stops made nearest the Project Site and reflects current conditions, including recent changes per Metro's NextGen Bus Plan.

Existing Traffic Volumes

Intersection turning movement counts for typical weekday morning (7:00 AM to 10:00 AM) and afternoon (3:00 PM to 6:00 PM) peak periods were collected in December 2023 while schools were in session and weather conditions were clear. The traffic counts were adjusted to reflect Existing Conditions (Year 2024) by adding a 1% growth factor. The Existing Conditions (Year 2024) intersection peak hour traffic volumes are illustrated in Figure 10. Traffic count and factoring worksheets are provided in Appendix B.

FUTURE CUMULATIVE TRANSPORTATION CONDITIONS

The forecast of traffic volumes for the Future without Project Conditions was prepared in accordance with procedures outlined in the TAG. Specifically, two requirements are provided for developing the cumulative traffic volume forecast:

> "The Transportation Assessment must estimate ambient traffic conditions for the study horizon year selected during the scoping phase and recorded in the executed MOU. The study must clearly identify the horizon year and annual ambient growth rate used for the study. The horizon year should align with the development project's expected completion year. For development projects constructed in phases over several years, the Transportation Assessment should analyze intermediary milestones before the buildout and completion of the project. The annual ambient growth rate shall be determined by LADOT staff during the scoping process and can be based on an adopted TSP, the most recent SCAG regional transportation model, the citywide transportation model, or other empirical information approved by LADOT.

> "The Transportation Assessment must consider related projects. For related development projects, this should include the associated trip generation for known development projects within one-half mile (2,640 foot) radius of the project site and one-quarter mile (1,320 foot) radius of the farthest outlying study intersections. Consultation with the Department of City Planning and LADOT may be required to compile the related projects list. The City's ZIMAS database can be used to assist in identifying development projects that have submitted applications to the City of Los Angeles. Project access and circulation constraints would be determined by adding project-generated trips to future base traffic volumes including ambient growth and related projects and conducting the operational analysis."

As detailed below, the analysis of future conditions includes both ambient growth, which reflects increase in traffic due to regional growth and development outside the Study Area, and traffic generated by ongoing or entitled projects near or within the Study Area (Related Projects). The ambient growth factor likely captures some traffic increases resulting from the Related Projects. Therefore, due to inherent double-counting of vehicles, the traffic analysis provides a conservative estimate of Future without Project Conditions traffic volumes.

Ambient Traffic Growth

Existing traffic is expected to increase because of regional growth and development outside the Study Area. Based on discussions with LADOT during the MOU process, an ambient growth factor of 1% per year compounded annually was applied to be conservative by adjusting the existing traffic volumes to reflect the effects of the regional growth and development by Year 2032. The total adjustment applied over the eight-year period between Year 2024 and the anticipated buildout year of the Project was 8.29%. This growth factor accounts for increases in traffic due to potential projects plus projects not yet proposed and projects located outside the Study Area.

Related Projects

In accordance with the TAG, this study also considered the effects of the Project on other developments either proposed, approved, or under construction (collectively, the Related Projects). Including this analytical step, the potential impact of the Project is evaluated within the context of past, present, and probable future developments capable of producing cumulative impacts. In accordance with the procedures outlined in the TAG, Related Projects within 0.50 miles of the

Project Site and within 0.25 miles of the farthest outlying study intersection were considered for analysis.

The list of Related Projects is based on information provided by LADCP and LADOT in October 2024, as well as recent studies of development projects in the area. The Related Projects are detailed in Table 3 and their approximate locations are illustrated in Figure 11. Though the buildout years of many of these Related Projects are uncertain and may be well beyond the buildout year of the Project and, notwithstanding that some may never be approved or developed, they were all considered as part of this Study and conservatively assumed to be completed by the Project buildout Year 2032. Therefore, the traffic growth due to the development of Related Projects considered in this analysis is highly conservative and, by itself, substantially overestimates the actual traffic volume growth in the area that would likely occur in the next six years prior to Project buildout. With the addition of the 1% per year ambient growth factor previously discussed, the Future without Project Condition is even more conservative. Using these assumptions, the potential operational traffic impacts of the Project were evaluated. The development of estimated traffic volumes added to the study intersections due to Related Projects involves the use of a three-step process: trip generation, trip distribution, and trip assignment.

Trip Generation. Trip generation estimates for the Related Projects were provided by LADOT or were calculated using a combination of previous study findings and the trip generation rates contained in the latest Institute of Transportation Engineers' (ITE) trip generation manual. The Related Projects trip generation estimates detailed in Table 3 are conservative in that they do not in every case account for either the trips generated by the existing uses to be removed or the likely use of other travel modes (e.g., transit, bus, bicycling, walking, carpool, etc.) Further, in many cases, they do not account for the internal capture trips within a multi-use development or for the interaction of trips between multiple Related Projects, in which one Related Project serves as the origin for a trip destined for another Related Project.

Trip Distribution. The geographic distribution of the traffic generated by the Related Projects is dependent on several factors. These include the type and density of the proposed land uses, the geographic distribution of the population from which the employees/residents and potential patrons of the proposed developments are drawn, and the location of these projects in relation to the surrounding street system. These factors are considered along with logical travel routes through the street system to develop a reasonable pattern of trip distribution.

Trip Assignment. The trip generation estimates for the Related Projects were assigned to the local street system using the trip distribution pattern described above. Figure 12 illustrates the peak hour traffic volumes associated with these Related Projects at the six study intersections.

Future without Project Conditions Traffic Volumes

The Future without Project Conditions peak hour traffic volumes include the combination of Existing Conditions traffic volumes, ambient growth to Year 2032, and Related Project traffic. These volumes at the six study intersections are illustrated in Figure 13.

Future Roadway and Street Improvements

The analysis of Future Conditions considered roadway improvements that were funded and reasonably expected to be implemented prior to the buildout of the proposed Project. Any roadway improvement that would result in changes to the physical configuration at the study intersections was incorporated into the analysis where applicable. Other proposed traffic/trip reduction strategies such as transportation demand management (TDM) programs for individual buildings and developments were omitted from the Future Conditions analyses for the purposes of a conservative analysis, as TDM programs are unique to each project and subject to revision along with the amount of claimed trip reduction. The following plans were evaluated for their potential effects on the future roadway configurations.

Vision Zero. No future transportation improvements have been proposed as part of any Vision Zero projects, and no additional improvements are currently proposed within the Study Area.

Mobility Plan. In the Mobility Plan, the City identifies key corridors as components of various "mobility-enhanced networks." Each network is intended to focus on improving a particular aspect of urban mobility, including transit, neighborhood connectivity, bicycles, pedestrians, and vehicles. The specific improvements that may be implemented in those networks have not yet been identified, and there is no schedule for implementation; therefore, no changes to intersection lane configurations were made because of the Mobility Plan. However, the following mobility-

enhanced networks included corridors within the Study Area, as well as others within 0.25 miles of the Project Site, and are illustrated in Figure 14:

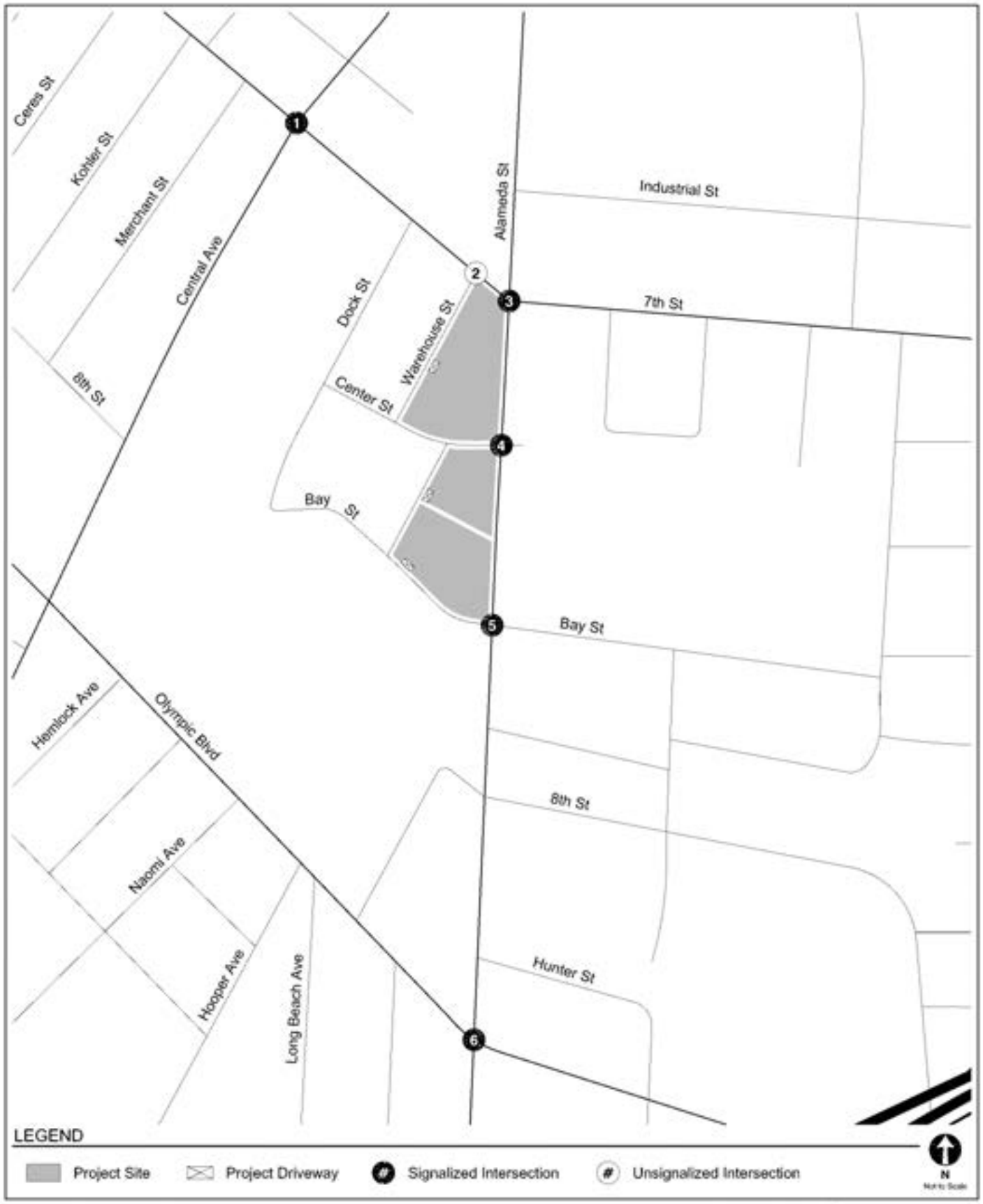
- Transit Enhanced Network (TEN): The TEN aims to improve existing and future bus services through reliable and frequent transit service to increase transit ridership, reduce single-occupancy vehicle trips, and integrate transit infrastructure investments within the surrounding street system. Central Avenue and Olympic Boulevard are designated as part of the TEN.

- Neighborhood Enhanced Network (NEN): The NEN reflects the synthesis of the bicycle and pedestrian networks and serves as a system of Local Streets that are slow moving and safe enough to connect neighborhoods through active transportation. No streets within the Study Area are designated as part of the NEN.

- BLN/BEN: Within the Study Area, 7th Street west of Central Avenue has been identified as part of the BLN, and Central Avenue and 7th Street west of Central Avenue have been identified as part of the BEN.

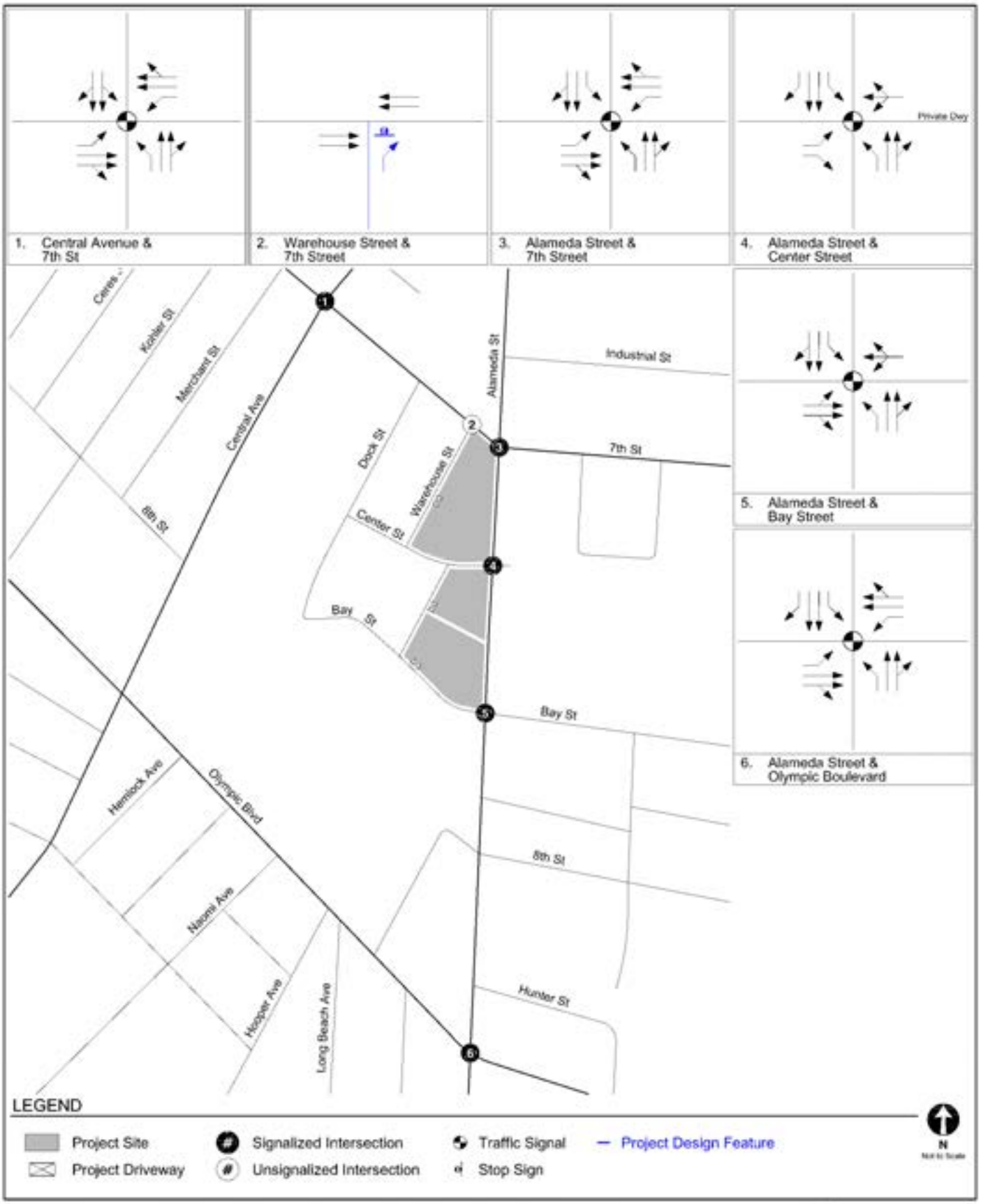
- Pedestrian Enhanced District (PED): The Mobility Plan aims to promote walking to reduce the reliance on automobile travel by providing more attractive and pedestrian-friendly sidewalks, as well as adding pedestrian signalizations, street trees, and pedestrian-oriented design features. Several streets within the Study Area, including Alameda Street north of Bay Street, 7th Street, and Central Avenue, are designated PEDs, where pedestrian improvements could be prioritized to provide better connectivity to and from major destinations within communities.

Safe Routes to School. The Safe Routes to School (SRTS) program seeks to enhance pedestrian safety and comfort on routes to and from school. The program invests in "school zone projects, neighborhood street projects and traffic safety education" and includes improvements such as continental and scramble crosswalks, curb extensions and ramps, rectangular rapid flashing beacons, traffic signals, and bicycle facilities. The nearest schools to the Project Site are Para Los Ninos Elementary School, approximately 0.1 miles east of the Project Site, and Metropolitan High School, approximately 0.25 miles east of the Project Site. There are no SRTS projects planned within the Study Area.



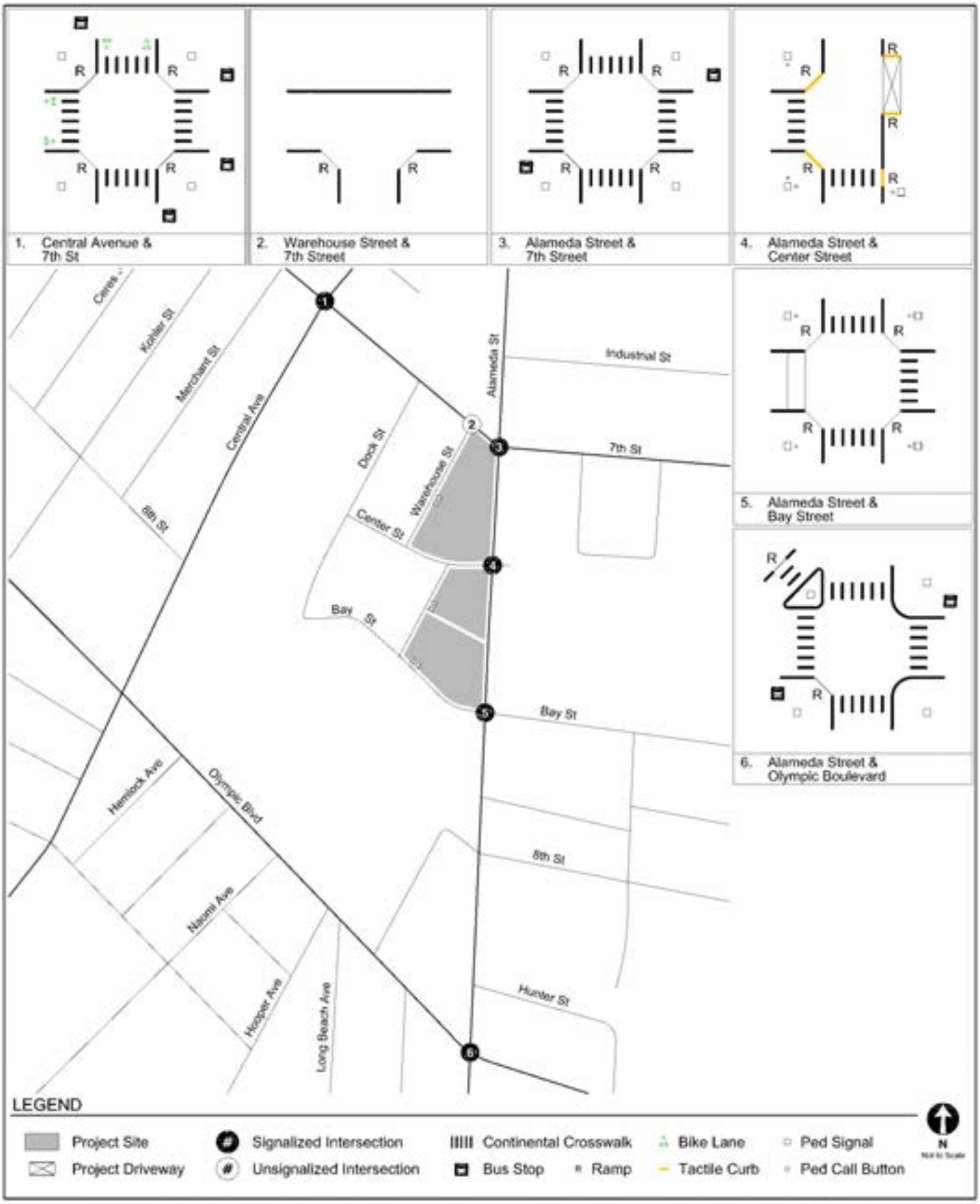
STUDY AREA AND ANALYZED INTERSECTIONS

FIGURE 3



INTERSECTION LANE CONFIGURATIONS

FIGURE 4



EXISTING INTERSECTION MOBILITY FACILITIES

FIGURE 5



MOBILITY PLAN STREET DESIGNATIONS

FIGURE 6



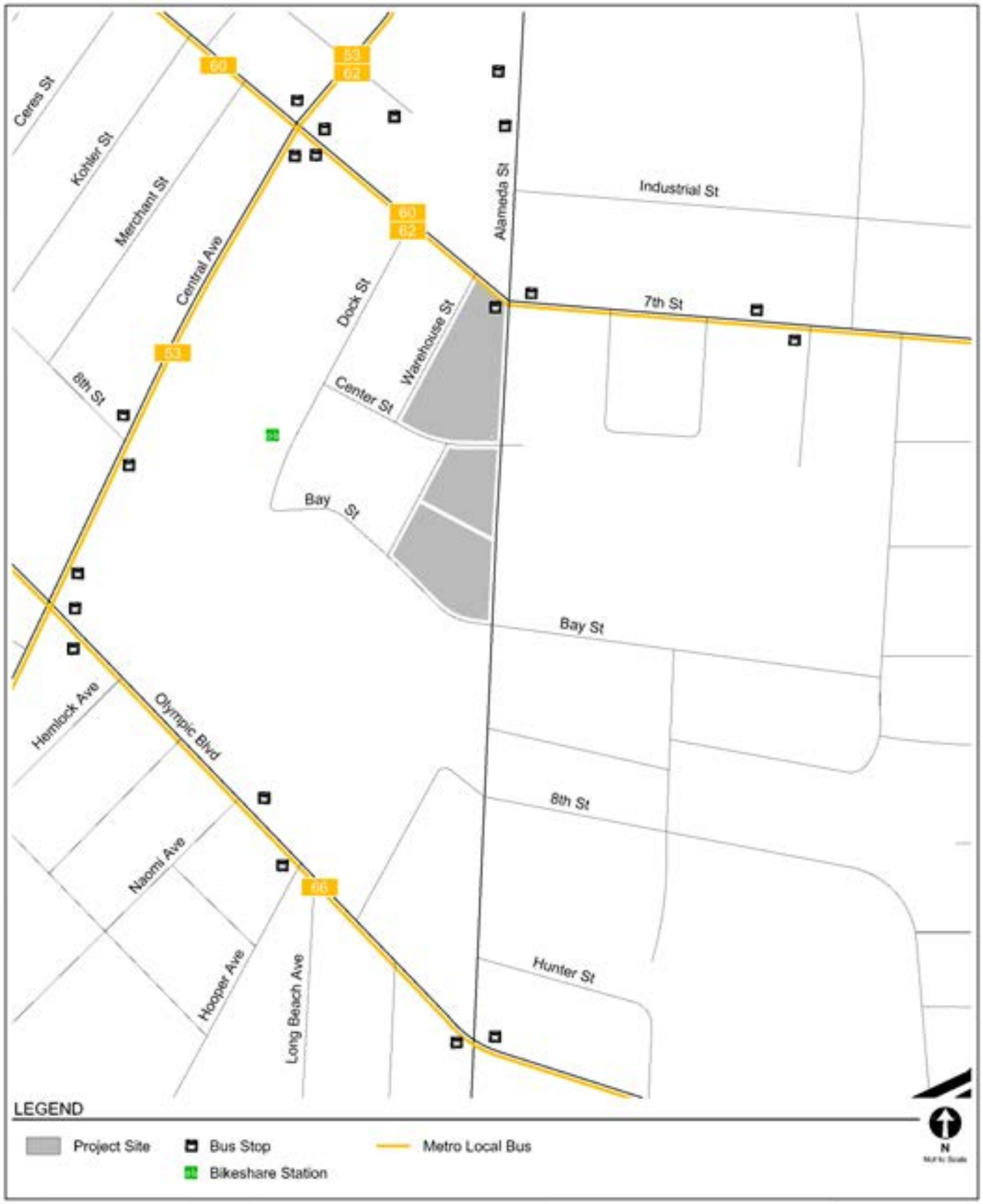
PEDESTRIAN DESTINATIONS

FIGURE 7



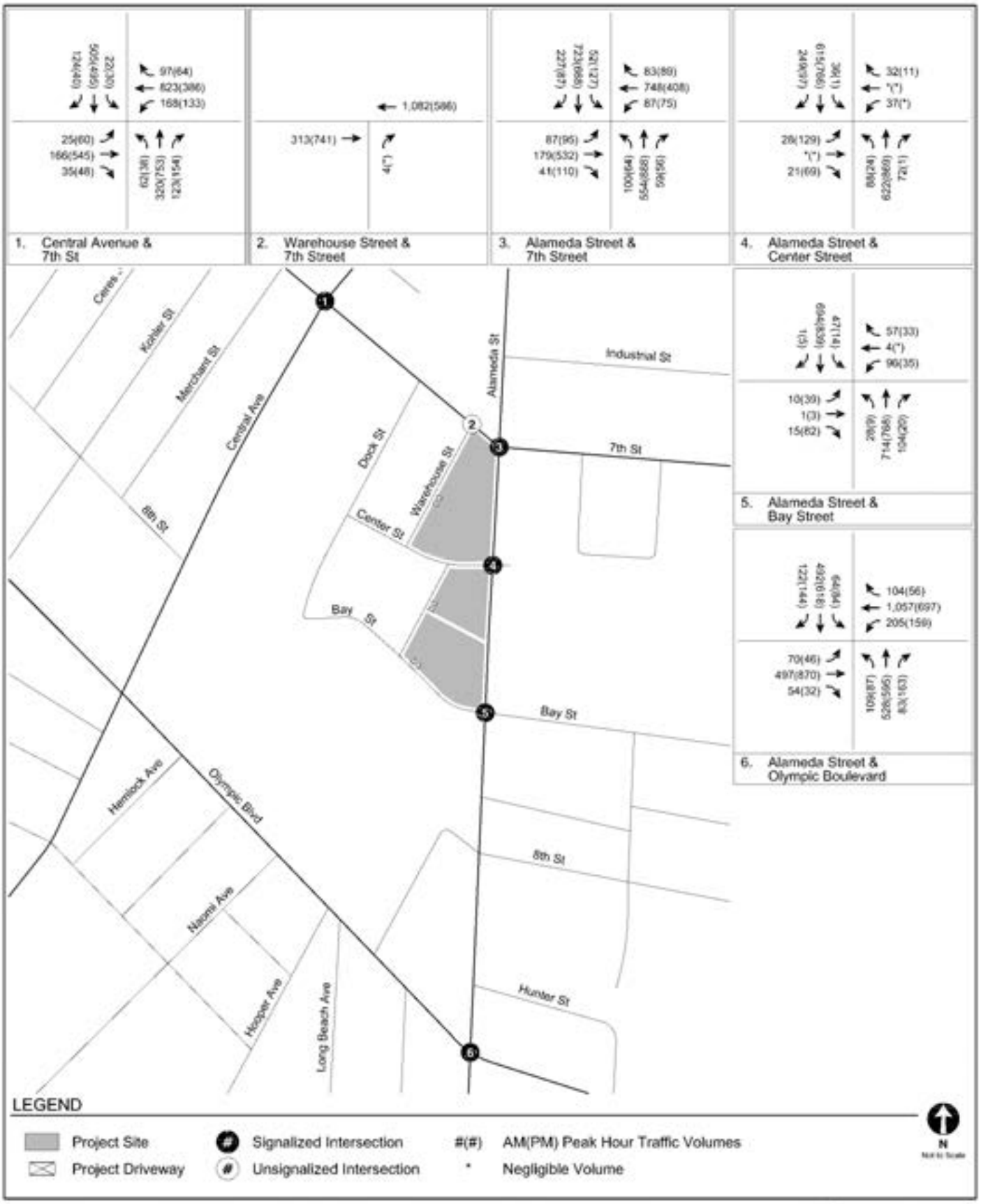
EXISTING TRANSPORTATION FACILITIES

FIGURE 8



EXISTING TRANSIT SERVICE

FIGURE 9



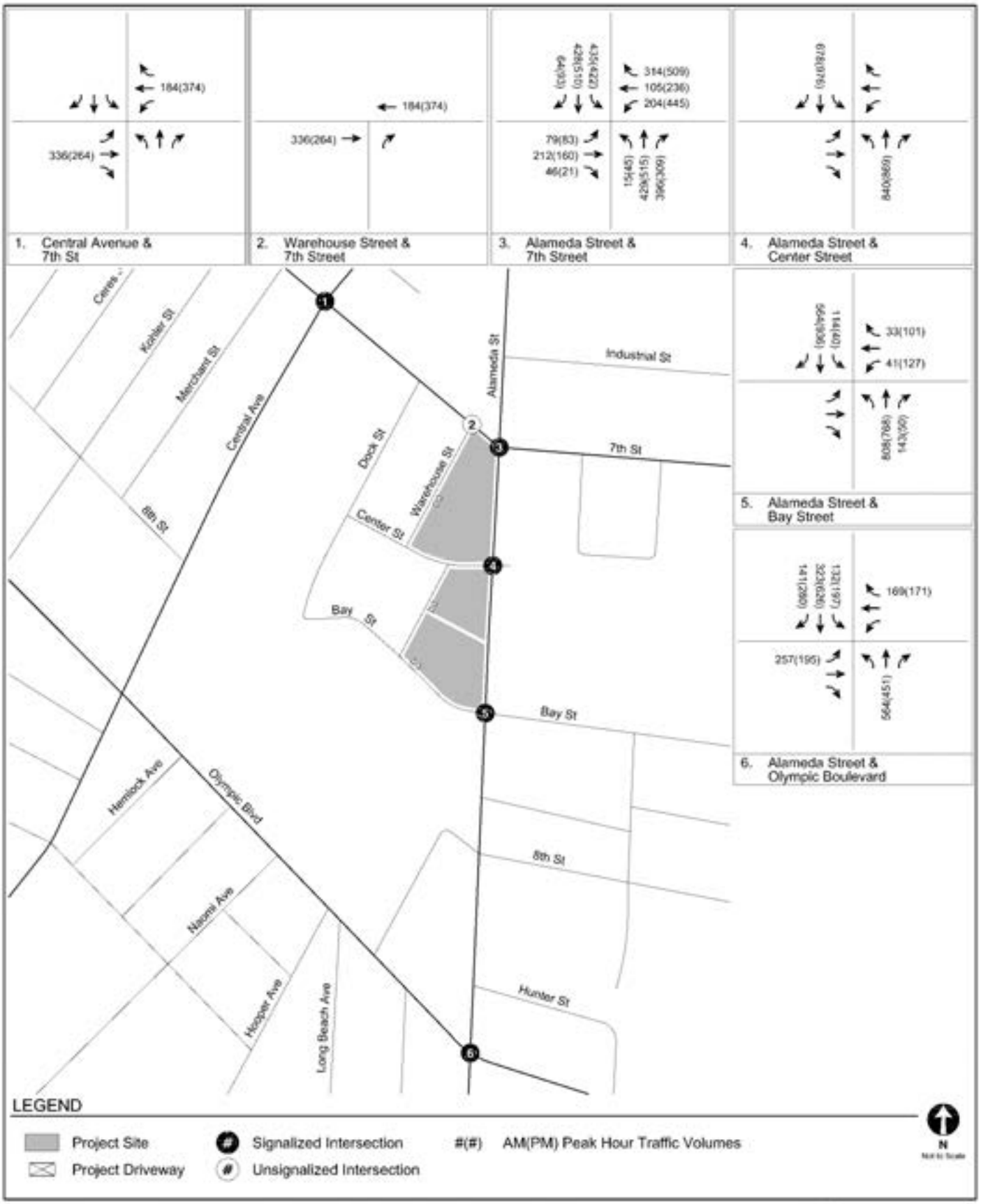
EXISTING CONDITIONS (YEAR 2024)
PEAK HOUR TRAFFIC VOLUMES

FIGURE 10



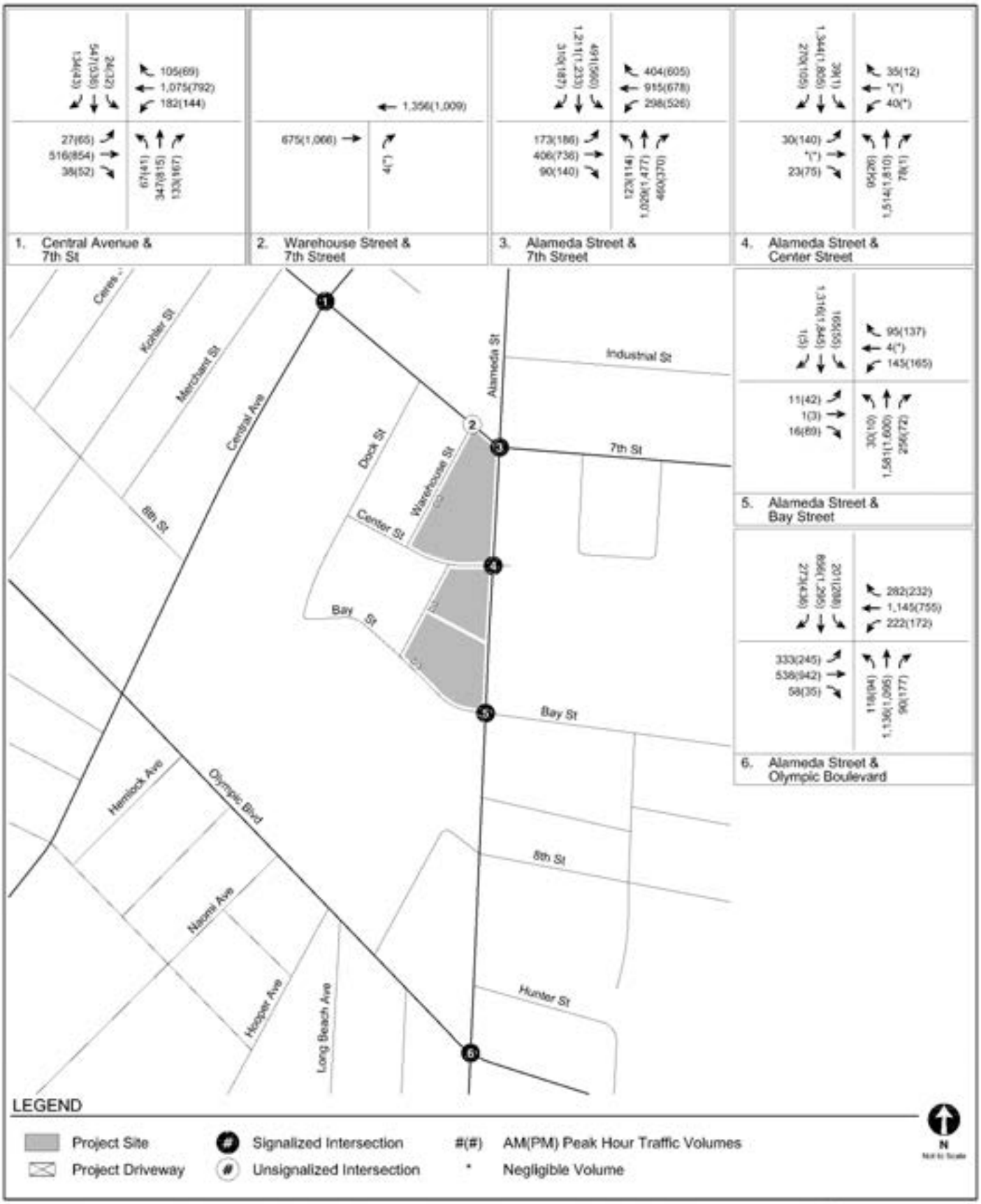
LOCATIONS OF RELATED PROJECTS

FIGURE 11



RELATED PROJECT-ONLY
PEAK HOUR TRAFFIC VOLUMES

FIGURE
12



FUTURE WITHOUT PROJECT CONDITIONS (YEAR 2032)
PEAK HOUR TRAFFIC VOLUMES

FIGURE 13



MOBILITY PLAN ROADWAY MODAL PRIORITIES

FIGURE 14

TABLE 1
STUDY INTERSECTIONS

No.	North/South Street	East/West Street
1.	Central Avenue	7th Street
2. [a]	Warehouse Street	7th Street
3.	Alameda Street	7th Street
4.	Alameda Street	Center Street
5.	Alameda Street	Bay Street
6.	Alameda Street	Olympic Boulevard

Notes:
[a] Unsignalized intersection

TABLE 2
EXISTING TRANSIT SERVICE IN STUDY AREA

Provider, Route, and Service Area		Service Type	Hours of Operation	Average Headway (minutes)			
				Morning Peak Hour		Afternoon Peak Hour	
Metro Bus Service [a]				**NB/EB**	**SB/WB**	**NB/EB**	**SB/WB**
16	Downtown LA - West Hollywood via West 3rd St	Local	24-Hour	5	9	4	6
18	Wilshire Center - Downtown Los Angeles - Montebello via 6th St and Whittier Blvd	Local	24-Hour	8	9	5	7
53	Downtown Los Angeles - CSU Domingues Hills via Central Ave	Local	4:00 AM - 12:00 AM	10	14	8	11
60	Downtown Los Angeles - Artesia Station via Long Beach Blvd	Local	24-Hour	7	8	5	6
62	Downtown Los Angeles - Hawaiian Gardens via Telegraph Rd	Local	4:00 AM - 12:00 AM	60	40	18	60
66	Wilshire Center - Downtown Los Angeles - Montebello via 8th St and Whittier Blvd	Local	24-Hour	8	14	8	10
720	Santa Monica - Downtown Los Angeles via Wilshire Blvd	Rapid	24-Hour	6	6	4	6
LADOT DASH				**NB/EB**	**SB/WB**	**NB/EB**	**SB/WB**
A	Downtown DASH	Local	6:00 AM - 9:00 PM	7	7	7	7

Notes:
Metro: Los Angeles County Metropolitan Transportation Authority LADOT: Los Angeles Department of Transportation
NB - Northbound. EB - Eastbound. SB - Southbound. WB - Westbound.
Morning Peak Hour: 6:00 A.M. - 9:00 A.M. Afternoon Peak Hour: 3:00 P.M. - 7:00 P.M.
[a] Average headways based on Metro schedules effective December 2024.

TABLE 3
RELATED PROJECTS LIST

No.	Project	Address	Use	Trip Generation [a]						
				Daily	Morning Peak Hour			Afternoon Peak Hour		
					In	Out	Total	In	Out	Total
1.	Camden Arts Mixed-Use	1525 E Industrial St	336,304 sf mixed-use, 344 live/work units, 7,458 sf of leasing/amenity area, 24,774 sf of creative office uses, 4,042 sf of restaurant space	1,729	37	59	96	69	44	113
2.	East End Studios, ADLA	640 S Alameda St	672,615 sf studio campus	4,288	272	76	348	145	375	521
3.	Mixed Use (Revised)	1800 E 7th St	122 residential units, 9,500 sf commercial uses, and 5,885 sf of amenity space	816	26	45	71	45	37	82
4.	Mixed-Use	1340 E 6th St	170 apartment units, 16,518 sf retail	530	(91)	16	(75)	10	(67)	(57)
5.	656 S Stanford Ave	656 S Stanford Ave	82 apartment units	545	8	33	41	33	18	51
6.	Studio	2000 E 8th St	249,790 sf studio with production support and office	3,511	216	100	316	147	255	402
7.	Palmetto	527 S Colyton St	346 apartment units, 24,792 sf of commerical space	2,095	36	116	152	121	74	195
8.	676 Mateo Mixed-Use	676 S Mateo St	172 live/work units and 23,025 sf commercial space	1,991	64	81	145	100	68	168
9.	1100 5th Mixed-Use	1100 E 5th St	200 residential units; 4,050 sf live-work office; 35,575 sf office; 19,609 sf restaurant; 9,129 sf retail	3,218	125	124	246	155	125	280
10.	1000 S Mateo Street	1000 S Mateo St	104 live/work units, 121,556 sf commercial space, 12,700 sf productive space	2,238	153	83	236	90	131	221
11.	Mixed-Use	695 S Santa Fe Ave	320 apartment units, 20,000 sf commercial	2,310	17	127	144	145	64	209
12.	Violet St Creative Office Campus Project	2045 E Violet St	450,599 sf creative office and retail	5,055	409	81	490	173	501	674
13.	Rendon Hotel	2053 E 7th St	115 hotel rooms	588	25	20	45	30	28	56
14.	1811 Sacramento Project	1811 Sacramento St	277,700 sf office, 8,000 sf restaurant, and 5,200 sf retail	3,003	379	71	450	100	336	436
15.	Mixed-Use	826 S Mateo St	90 live/work units, 11,000 sf retail, and 5,600 sf restaurant	1,267	11	34	45	62	39	101
16.	SPR-Industrial Park	1005 S Mateo St	94,849 sf industrial park	426	40	9	49	10	39	49
17.	Arts District Center (Mixed-Use)	1129 E 5th St	129 apartment units, 113 hotel rooms, 32,000 sf retail, 27,000 sf restaurant, and 2,400 sf art space	4,713	133	140	273	157	72	229
18.	Office & Commercial	655 S Mesquit St	184,629 sf office and 4,325 sf retail	1,609	144	23	167	40	144	184
19.	520 Mateo	520 S Mateo St	475 live/work units, 10,000 sf restaurant, 10,000 sf retail, and 105,000 sf office	4,995	157	220	373	274	223	491
20.	Mesquit Mixed-Use	670 S Mesquit St	944,055 sf office, 308 du apartments, 236 rm hotel, 79,240 sf retail, 56,912 sf grocery, 89,576 sf restaurant, 93,671 sf studio/museum, 62,148 sf gym	22,845	1,029	470	1,499	779	1,065	1,844
21.	Alameda Crossing	1716 E 7th St	137,899 sf office, 51,150 sf production support, 174,356 sf soundstage, 622 sf café	2,081	202	48	250	76	203	279
22.	Fourth & Central	400 S Central Av	1,521 residential units, 68 hotel rooms, 411,113 square feet (sf) of office, and 114,112 sf of commercial retail and restaurant	13,746	592	461	1,053	642	715	1,357
23.	4th and Hewitt	405 S Hewitt St	311,682 sf office; 8,149 sf commercial	3,419	319	69	388	83	301	384
24.	2143 E Violet St	2143 E Violet St	474 residential units; 2,000 sf of commercial	2,486	54	93	147	96	74	170

Notes:

[a] Related project information provided by the Los Angeles Department of Transportation in March 2024, Department of City Planning, and recent traffic studies prepared in the area. This list includes known development projects within one-half mile (2,460 foot) radius of the Project Site and within one-quarter mile (1,230 foot) radius of the furthest outlying study intersection.

Chapter 3
Project Traffic

Trip generation estimates, trip distribution patterns and trip assignments were prepared for the Project. These components form the basis of the Project's traffic analysis.

PROJECT DESCRIPTION

As detailed in Chapter 1, the Project is a mixed-use development consisting of three eight-story buildings located on the north and south sides of Center Street, on the eastern edge of the Project Site. A total of 1,000 residential units are included, with 11% designated as affordable, along with a total of 6,547 sf of ground floor commercial space.

- Building A is located south of Center Street and includes 410 residential units (including 47 affordable units) and 1,119 sf commercial space.
- Building B is located south of Center Street and includes 214 residential units (including 24 affordable units).
- Building C is located north of Center Street and includes 376 residential units (including 43 affordable units) and 5,428 sf commercial space.

PROJECT TRIP GENERATION

The number of peak hour trips expected to be generated by the Project was estimated using morning and afternoon peak hour rates published in *Trip Generation Manual, 11th Edition* (ITE, 2021), as well as morning and afternoon peak hour rates for Affordable Housing Family units based on empirical data collected in the City and published in the TAG. Because restaurant uses are expected to generate higher trip amounts than other commercial uses, a more conservative analysis was conducted by considering all 6,547 sf of the Project's commercial uses as high-turnover (sit-down) restaurant use for trip generation purposes.

In consultation with LADOT during the MOU process, the following are allowable trip generation reductions to account for internal capture, public transit usage/walking arrivals, and pass-by trips:

- Internal Capture: A 10% internal capture reduction was applied to the commercial trip generation estimates to account for person trips made between the different uses of the Project without requiring an additional vehicle trip (i.e., residents visiting the restaurant uses).

- Transit Usage: A 15% transit usage reduction was applied to the trip generation estimates (except for the office uses, for which transit usage is assumed to be inherent in the trip generation rates) in accordance with the TAG methodology for a development within 0.25 miles of a major transit stop.

- Pass-By: Consistent with Attachment H of the TAG, a 20% pass-by reduction was applied to the commercial restaurant trip generation to account for Project trips made as an intermediate stop on the way from an origin to a primary trip destination without route diversion. These trips are not considered new to the public streets. This credit does not apply to Project trips at the Project driveway or adjacent intersections.

After accounting for the reductions described above, the Project is estimated to generate 372 new morning peak hour trips (106 inbound, 266 outbound) and 367 new afternoon peak hour trips (221 inbound, 146 outbound), as detailed in Table 4.

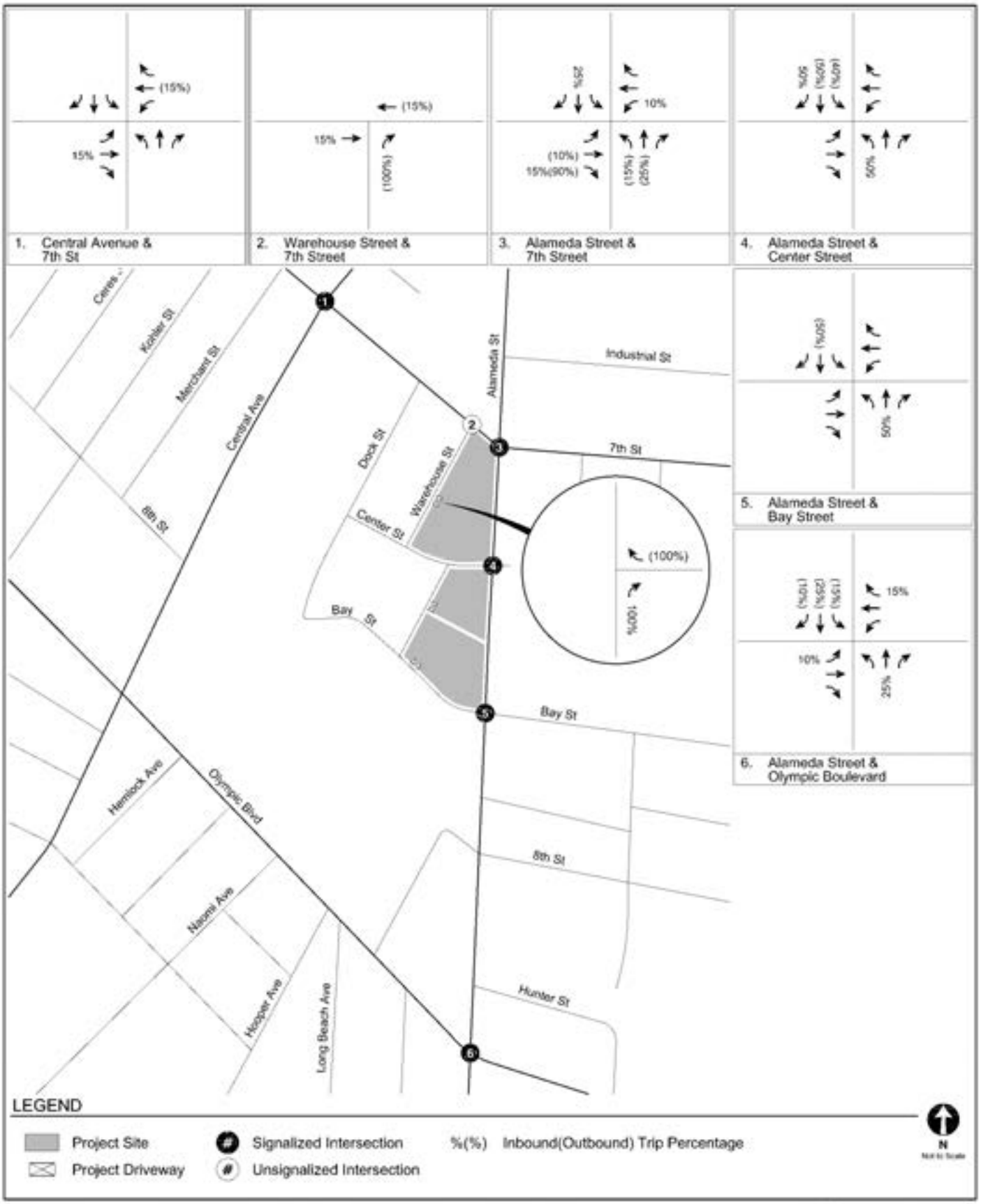
PROJECT TRIP DISTRIBUTION

The geographic distribution of trips generated by the Project is primarily dependent on the location of employment and commercial uses from which tenants of the Project would be drawn, characteristics of the street system serving the Project Site, existing intersection traffic volumes, the location of the proposed driveways, as well as input from LADOT staff.

The intersection-level trip distribution for the Project is illustrated in Figures 15A and 15B.

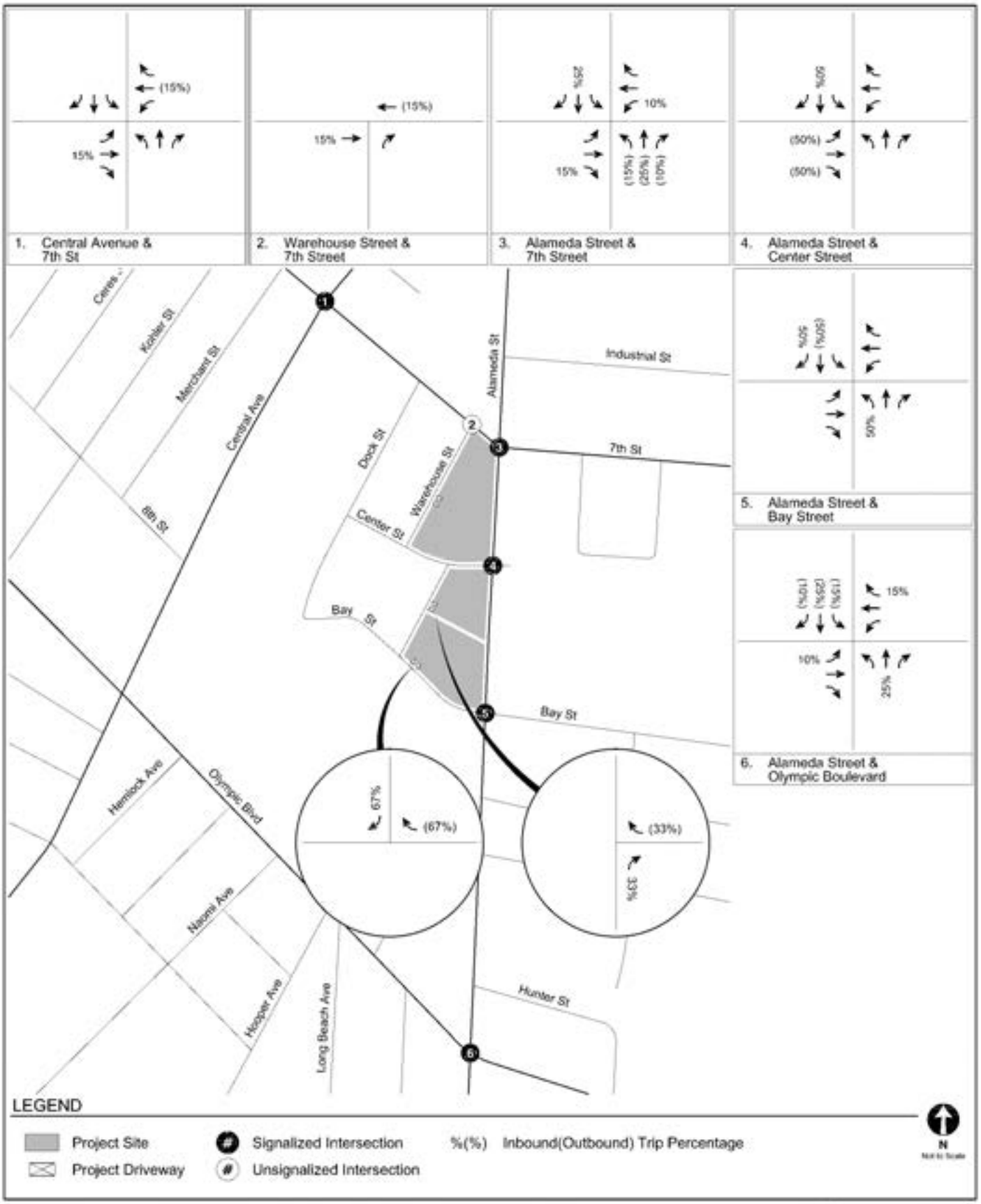
PROJECT TRIP ASSIGNMENT

The Project trip generation estimates detailed in Table 4 and the trip distribution pattern illustrated in Figures 15A and 15B, were used to assign the Project-generated traffic through the study intersections. Figure 16 illustrates the Project-only traffic volumes at the study intersections during typical weekday morning and afternoon peak hours.



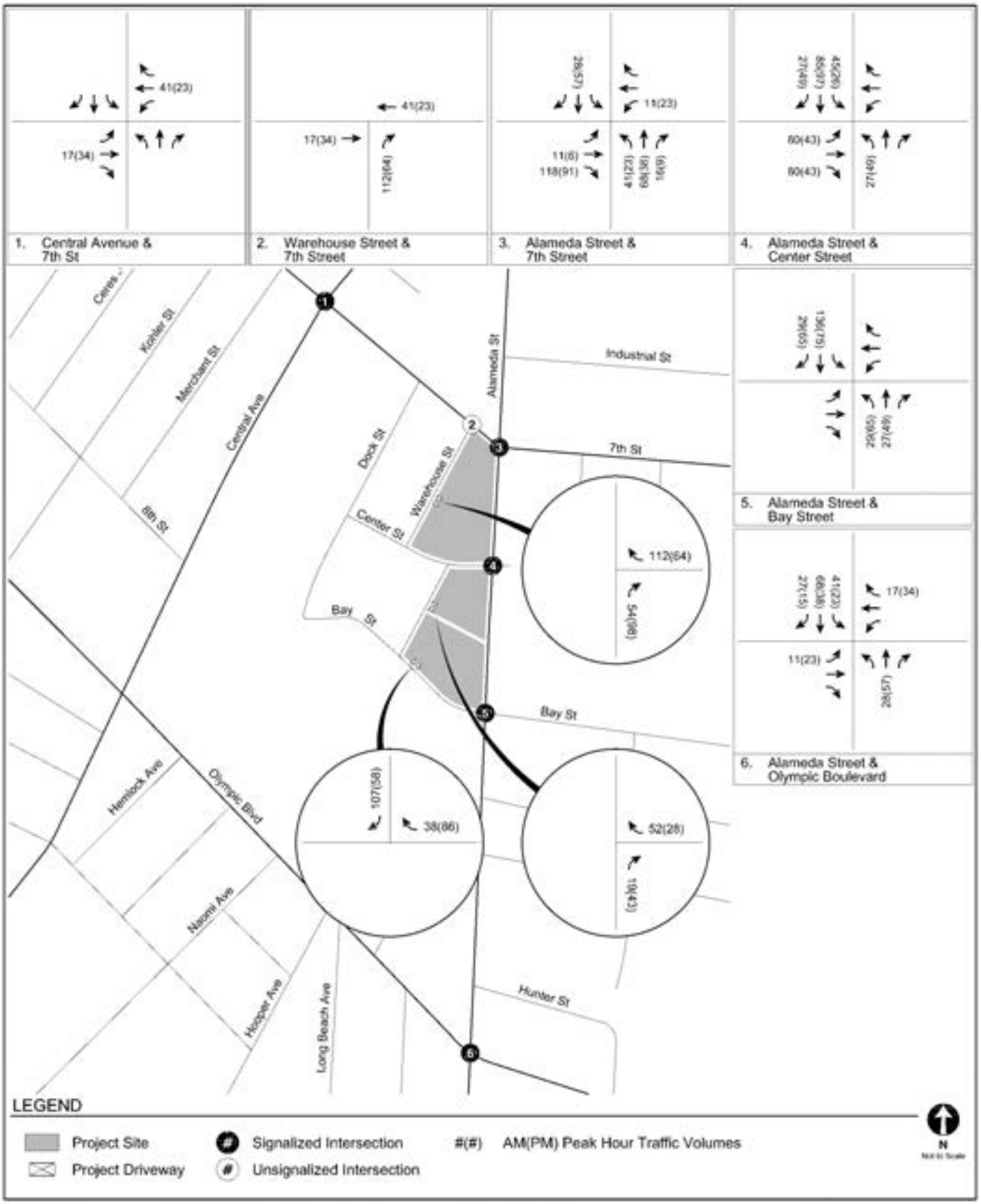
PROJECT TRIP DISTRIBUTION
BUILDING C

FIGURE
15A



PROJECT TRIP DISTRIBUTION
BUILDINGS A & B

FIGURE
15B



TOTAL PROJECT-ONLY
PEAK HOUR TRAFFIC VOLUMES

FIGURE
16

TABLE 4
PROJECT VEHICLE TRIP GENERATION ESTIMATES

Land Use	ITE Land Use	Size	Morning Peak Hour			Afternoon Peak Hour		
			In	Out	Total	In	Out	Total
Affordable Housing Family	[b]	per du	37%	63%	0.49	56%	44%	0 35
Multifamily Housing (Mid-Rise)	221	per du	23%	77%	0.37	61%	39%	0 39
High-Turnover (Sit-Down) Restaurant	932	per ksf	55%	45%	9.57	61%	39%	9 05
Proposed Project								
Building A - Affordable	[b]	47 du	9	14	23	9	7	16
Building A - Residential	221	363 du	31	103	134	87	55	142
Transit/Walk-In Reduction - 15% [c]			*(5)*	*(15)*	*(20)*	*(13)*	*(8)*	*(21)*
Building A - Restaurant [d]	932	1 119 ksf	6	5	11	6	4	10
Internal Capture Reduction - 10% [e]			*(1)*	*(1)*	*(2)*	*(1)*	*0*	*(1)*
Transit/Walk-In Reduction - 15% [c]			*(1)*	*(1)*	*(2)*	*(1)*	*(1)*	*(2)*
Pass-By Trip Reduction - 20% [i]			*(1)*	*(1)*	*(2)*	*(1)*	*(1)*	*(2)*
Building B - Affordable	[b]	24 du	4	8	12	4	4	8
Building B - Residential	221	190 du	16	54	70	45	29	74
Transit/Walk-In Reduction - 15% [c]			*(2)*	*(8)*	*(10)*	*(7)*	*(4)*	*(11)*
BUILDINGS SOUTH OF CENTRAL AVENUE - TOTAL TRIPS			**56**	**158**	**214**	**128**	**85**	**213**
North Building C - Affordable	[b]	43 du	8	13	21	8	7	15
North Building C - Residential	221	333 du	28	95	123	79	51	130
Transit/Walk-In Reduction - 15% [c]			*(4)*	*(14)*	*(18)*	*(12)*	*(8)*	*(20)*
North Building C - Restaurant [d]	932	5 428 ksf	29	23	52	30	19	49
Internal Capture Reduction - 10% [e]			*(3)*	*(2)*	*(5)*	*(3)*	*(2)*	*(5)*
Transit/Walk-In Reduction - 15% [c]			*(4)*	*(3)*	*(7)*	*(4)*	*(3)*	*(7)*
Pass-By Trip Reduction - 20% [i]			*(4)*	*(4)*	*(8)*	*(5)*	*(3)*	*(8)*
BUILDING NORTH OF CENTRAL AVENUE - TOTAL TRIPS			**50**	**108**	**158**	**93**	**61**	**154**
TOTAL PROPOSED PROJECT TRIPS			**106**	**266**	**372**	**221**	**146**	**367**

Notes:
du: dwelling unit ksf: 1,000 square feet
[a] Source: *Trip Generation, 11th Edition*, Institute of Transportation Engineers, 2021.
[b] Per LADOT's Transportation Assessment Guidelines, residential or mixed-use developments inside a Transit Priority Area (TPA) which include Affordable Housing Senior Units are eligible to use a City specific trip generation rate based on vehicle trip count data collected at affordable housing sites in the City of Los Angeles in 2016.
[c] The Project site is located adjacent to a bus stop that serves Metro Next Gen Tier 1 New High Frequency Line 60 at Alameda Street & 7th Street. Therefore, a 15% transit reduction was applied to account for transit usage and walking visitor arrivals.
[d] Commercial area analyzed as High-Turnover (Sit-Down) Restaurant to provide the most conservative analysis.
[e] Internal capture reductions account for person trips made between distinct land uses within a mixed-use development (i.e., between residential and restaurant).
[f] Pass-by reductions account for Project trips made as an intermediate stop on the way from an origin to a primary trip destination without route diversion.

Chapter 4

CEQA Analysis of Transportation Impacts

This chapter presents the results of an analysis of CEQA-related transportation impacts. The analysis identifies any potential conflicts the Project may have with adopted City plans and policies and the proposed improvements to address potential conflicts, as well as the results of a Project VMT analysis that satisfies State requirements under *State of California Senate Bill 743* (Steinberg, 2013) (SB 743).

METHODOLOGY

SB 743, made effective in January 2014, required the Governor's Office of Planning and Research (OPR) to change the CEQA guidelines regarding the analysis of transportation impacts. Under SB 743, the focus of transportation analyses shifted from driver delay (level of service [LOS]) to VMT, in order to reduce greenhouse gas emissions (GHG), create multimodal networks, and promote mixed-use developments. The TAG defines the methodology to be used for analyzing a project's transportation impacts in accordance with SB 743.

Per the TAG, the CEQA transportation analysis used the following thresholds for identifying significant impacts:

- Threshold T-1: Conflicting with Plans, Programs, Ordinances, or Policies
- Threshold T-2.1: Causing Substantial Vehicle Miles Traveled (VMT)
- Threshold T-2.2: Substantially Inducing Additional Automobile Travel
- Threshold T-3: Substantially Increasing Hazards Due to a Geometric Design Feature or Incompatible Use

The thresholds were reviewed and analyzed, as detailed in the following Sections 4A-4D.

Section 4A: Threshold T-1

Conflicting with Plans, Programs, Ordinances, or Policies Analysis

Threshold T-1 considers whether a project would conflict with a program, plan, ordinance, or policy addressing the circulation system, including transit, roadways, bicycle, and pedestrian facilities.

The purpose of Threshold T-1 is to assess whether a project would conflict with an adopted program, policy, plan, or ordinance that protects the environment. In general, transportation policies or standards adopted to protect the environment are those that support multimodal transportation options and a reduction in VMT. A project would not result in an impact merely based on whether or not it would implement a particular program, plan, policy, or ordinance. Many of these programs must be implemented by the City over time, and over a broad area, and the intention of Threshold T-1 is to ensure that proposed development projects and plans do not preclude the City from implementing adopted programs, plans and policies. As stated in Section 2.1.4 of the TAG, a project that generally conforms with, and does not obstruct, the City's development policies and standards will generally be considered consistent for purposes of the Threshold T-1 analysis.

PLANS, PROGRAMS, ORDINANCES, AND POLICIES

Table 2.1-1 of the TAG identifies the City plans, policies, programs, ordinances, and standards relevant in determining project consistency. Attachment D of the TAG, *Plans, Policies, and Programs Consistency Worksheet*, provides a structured approach to evaluate whether a project conflicts with the City's plans, programs, ordinances, or policies and streamlines the review by highlighting the most relevant plans, policies, and programs for assessing potential impacts to the City's transportation system. The Plans, Policies, and Programs Consistency Worksheet was completed for the Project and is provided in Appendix C.

As summarized below and in Appendix C, the Project is consistent with the City documents listed in Table 2.1-1 and the Plans, Policies, and Programs Consistency Worksheet of the TAG;

therefore, the Project would not result in a significant impact under Threshold T-1. Detailed discussion on the Project's consistency with the applicable plans, programs, ordinances, or policies is provided below.

Mobility Plan

The Mobility Plan combines "complete street" principles with the following five goals that define the City's mobility priorities:

- Safety First: Design and operate streets in a way that enables safe access for all users, regardless of age, ability, or transportation mode of choice.
- World Class Infrastructure: A well-maintained and connected network of streets, paths, bikeways, trails, and more provides Angelenos with the optimum variety of mode choices.
- Access for All Angelenos: A fair and equitable system must be accessible to all and must pay particularly close attention to the most vulnerable users.
- Collaboration, Communication, and Informed Choices: The impact of new technologies on our day-to-day mobility demands will continue to become increasingly important to the future. The amount of information made available by new technologies must be managed responsibly in the future.
- Clean Environments and Healthy Communities: Active transportation modes such as bicycling and walking can significantly improve personal fitness and create new opportunities for social interaction, while lessening impacts on the environment.

A detailed analysis of the Project's consistency with the Mobility Plan is provided in Table 5. As detailed in Chapter 2, the Mobility Plan identifies key corridors within the Study Area as components of various "mobility-enhanced networks." Though no specific improvements have been identified adjacent to the Project Site or within the Study Area and, thus, there is no schedule for implementation, the mobility-enhanced networks represent a focus on improving a particular aspect of urban mobility, including transit, neighborhood connectivity, bicycles, pedestrians, and vehicles. The Project would be designed with the mobility-enhanced networks as a top priority.

Vehicular access to the Project Site is provided via existing driveways along Alameda Street at Bay Street and Center Street. Development Area access is only available from within the Project Site and provided by internal driveways along Warehouse Street and Bay Street. Warehouse Street is a designated Local Street internal to the Project Site and an unidentified/private street

south of the Project Site. Bay Street is an unidentified/private street internal to the Project Site. No dedications would be required in accordance with the Mobility Plan.

The Project driveways would be improved and designed in accordance with the standards set forth in *Manual of Policies and Procedures* (LADOT, updated 2020). Appropriate access and safety measures would be placed to limit potential queue spillover into the public ROW that could interrupt pedestrian, bicycle, and vehicular flow. In addition, the driveways anticipated to provide truck access would be designed to adequately accommodate truck-turning maneuvers without encroachment into the public ROW.

Separate pedestrian and bicycle access to the Project Site would be provided via residential lobbies and commercial entrances located along the Project frontages on Alameda Street and Center Street. In addition, the Project would also be designed in compliance with Americans with Disabilities Act (ADA) standards to provide accessibility for all patrons of the Project.

Secured bicycle parking facilities within the Project Site would be provided per the LAMC. This Project design feature would promote active transportation modes such as biking and walking, thereby reducing the Project VMT per employee compared to the average for the area, as demonstrated in Section 4B. Further, the Project does not propose modifying, removing, or otherwise affecting existing bicycle infrastructure.

Thus, the Project would not conflict with the goals of the Mobility Plan.

Plan for a Healthy Los Angeles

Plan for a Healthy Los Angeles: A Health and Wellness Element of the General Plan (LADCP, March 2015) (*Plan for a Healthy Los Angeles*) contains guidelines for the City to follow to enhance the City's position as a regional leader in health and equity, encourage healthy design and equitable access, and increase awareness of equity and environmental issues.

A detailed analysis of the Project's consistency with *Plan for a Healthy Los Angeles* is provided in Table 6. The Project prioritizes safety and access for all individuals utilizing the Project Site by complying with all ADA requirements and providing direct connections to pedestrian amenities

with separate pedestrian and vehicle accesses and active street frontages. Further, the Project supports healthy lifestyles and encourages alternative modes of transport by locating housing, including 114 affordable units, and jobs near transit (Metro bus lines), providing bicycle parking, and enhancing the pedestrian environment with shade trees and landscaping. The Project is also estimated, as demonstrated in Section 4B, to generate lower VMT per household than the areawide average, reducing GHG emissions.

Thus, the Project would be consistent with the goals of *Plan for a Healthy Los Angeles*.

Land Use Element of the General Plan

The City General Plan's Land Use Element contains 35 Community Plans that establish specific goals and strategies for the various neighborhoods across Los Angeles. This Project falls within the boundaries of *Downtown Community Plan*.

Downtown Community Plan. A detailed analysis of the Project's consistency with *Downtown Community Plan* is provided in Table 7. The intent of *Downtown Community Plan*, which was adopted on May 3, 2023 and became effective on January 27, 2025, is to create and implement a vision of the future for downtown Los Angeles. According to regional projections, by Year 2040, downtown Los Angeles will add approximately 125,000 people, 70,000 housing units, and 55,000 jobs. The following "core principles" represent the long-term priorities of the plan:

- Accommodate anticipated growth through Year 2040 in an inclusive, equitable, sustainable, and healthy manner, while supporting and sustaining Downtown's ongoing revitalization
- Reinforce Downtown's jobs creation
- Grow and support the residential base
- Strengthen neighborhood character
- Promote a transit-, bicycle-, and pedestrian-friendly environment
- Create linkages between districts
- Create world-class streets and public realm

The Project would provide a mixed-use development with residential and local-serving restaurant uses buildings to accommodate future growth in the nearby Arts District, an emerging neighborhood in downtown Los Angeles, in an inclusive, equitable, sustainable, and healthy manner as it would aim to enhance and improve the existing Project Site. The Project proposes a high-density mixed-use infill development located in proximity to transit. The Project would enhance the local job base by adding new residents within the downtown Los Angeles area.

The Project would provide bicycle and pedestrian amenities that promote a transit-, bicycle-, and pedestrian-friendly environment, such as wider sidewalks, street trees, and landscaping that improve walkability and connectivity for pedestrian access between transit stops and nearby destinations. The Project would also provide bicycle parking to encourage bicycling for residents, employees, and visitors to the Project Site. Pedestrian and bicycle access would be separate from vehicular access, further prioritizing pedestrian and bicycle safety and comfort. The Project, through its characteristics highlighted above, both supports policies and does not hinder other goals and policies identified in *Downtown Community Plan*. Therefore, the Project is consistent with and would not obstruct the implementation of the policies recommended by *Downtown Community Plan*.

LAMC Section 12.21.A.16 (Bicycle Parking)

LAMC Section 12.21.A.16 details the bicycle parking requirements for new developments. As further detailed in Section 5E, the Project would provide short-term and long-term spaces to satisfy the LAMC requirements for on-site bicycle parking supply.

LAMC Section 12.26G (TDM Ordinance)

LAMC Section 12.26G, the TDM Ordinance (1993) establishes TDM requirements for non-residential projects, in addition to non-residential components of mixed-use projects in excess of 25,000 sf. The total non-residential component of the Project does not exceed 25,000 sf. Therefore, the Project would not be subject to the requirements of LAMC Section 12.26G and would not be required to incorporate TDM measures. However, as mentioned above, as a project

design feature and TDM strategy, the Project would satisfy LAMC Section 12.21.A.16 by providing short term and long term bicycle parking.

Vision Zero Corridor Plans

Vision Zero implements projects that are designed to increase safety on the most vulnerable City streets. The City has identified a number of streets as part of the HIN where City projects will be targeted. As previously detailed, the Project Site is located adjacent to 7th Street, which is identified in the HIN, and Central Avenue, Olympic Boulevard, and Alameda Street south of Olympic Boulevard have also been identified in the HIN.

Currently, no Vision Zero Safety improvements are planned along the identified streets. Nonetheless, the Project improvements to the pedestrian environment would not preclude any Vision Zero safety improvements by the City. Thus, the Project would not conflict with Vision Zero.

Streetscape Plans

None of the City's established Streetscape Plans would affect the Project Site. Nevertheless, the Project would not preclude the City from future streetscape improvements.

Citywide Design Guidelines

The Pedestrian-First Design approach of the *Citywide Design Guidelines* (LADCP Urban Design Studio, October 2019) identifies design strategies that "create human-scale spaces in response to how people actually engage with their surroundings, by prioritizing active street frontages, clear paths of pedestrian travel, legible wayfinding, and enhanced connectivity. Pedestrian-First Design promotes healthy living, increases economic activity at the street level, enables social interaction, creates equitable and accessible public spaces, and improves public safety".

The Pedestrian-First Design guidelines are as follows:

- Guideline 1: Promote a safe, comfortable, and accessible pedestrian experience for all.
- Guideline 2: Carefully incorporate vehicular access such that it does not degrade the pedestrian experience.
- Guideline 3: Design projects to actively engage with streets and public space and maintain human scale.

A detailed analysis of the Project's consistency with the Pedestrian-First Design guidelines of the Citywide Design Guidelines is provided in Table 8.

The Project design includes accessible sidewalks, pedestrian amenities, and well-designed vehicular access driveways in accordance with the Citywide Design Guidelines. The Project would provide street trees uniformly within the sidewalk to provide overhead shade, as well as a more comfortable environment for pedestrians. Further, the Project would provide separate pedestrian entrances to ensure safe pedestrian access separate from vehicular activity. Thus, the Project would be consistent with the Pedestrian-First Design goal of *Citywide Design Guidelines*.

CUMULATIVE ANALYSIS

In addition to potential Project-specific impacts, the TAG requires that the Project be reviewed in combination with nearby Related Projects to determine if the potential exists for a cumulatively significant impact resulting from inconsistency with a particular program, plan, policy, or ordinance. In accordance with the TAG, the cumulative analysis must include consideration of any Related Projects within 0.50 miles of the Project Site and within 0.25 miles of the furthest outlying study intersection and any transportation system improvements in the vicinity. Table 3 identifies Related Projects within a 0.50-mile radius of the Project Site and 0.25-mile radius of the furthest outlying study intersection, as required by the TAG and approved in the MOU.

Each of the Related Projects considered in this cumulative analysis of consistency with programs, plans, policies, and ordinances would be separately reviewed, including a check for their consistency with applicable policies, prior to approval by the City. Collectively, the Project and the Related Projects add high-density development in a major commercial area with high-quality transit options and high levels of pedestrian activity. Thus, the Project and the Related Projects would not preclude the City's ability to serve transportation needs as defined by the City's

transportation policy framework. Therefore, the Project, together with the Related Projects identified in Table 3, would neither create inconsistencies nor result in cumulative impacts with respect to the identified programs, plans, policies, and ordinances.

TABLE 5
PROJECT CONSISTENCY WITH MOBILITY PLAN 2035

Objective, Policy, Program, or Plan [a]	Analysis of Project Consistency
Chapter 1 - Safety First	
Policy 1.1 Roadway User Vulnerability Design, plan, and operate streets to prioritize the safety of the most vulnerable roadway user.	**Consistent.** With the development of the Project, Alameda Street and 7th Street along the Project frontage would be improved to provide adequate pedestrian safety and to meet the goals and long-term needs of the Mobility Plan. The Project would provide driveways on local/unidentified streets internal to the Project Site, designed and placed in accordance with current City standards to reduce interruptions to vehicle, bicycle, and pedestrian safety. No driveways would be located along a street with an existing bicycle facility. Further, the Project does not propose modifying, removing, or otherwise affecting existing bicycle infrastructure.
Policy 1.6 Multi-Modal Detour Facilities Design detour facilities to provide safe passage for all modes of travel.	**Consistent.** Construction activities would be maintained on-site to the extent feasible. Any impediments to the public right-of-way would be addressed with implementation of a Construction Management Plan.
Chapter 2 - World Class Infrastructure	
Policy 2.3 Pedestrian Infrastructure Recognize walking as a component of every trip, and ensure high-quality pedestrian access in all site planning and public right-of-way modifications to provide a safe and comfortable walking environment.	**Consistent.** The Project would enhance pedestrian access within and around the Project Site by providing pedestrian connections between the two buildings on the Project Site for residents, employees, and guests. To enhance the pedestrian environment, the Project would maintain sidewalks along the Project frontages to meet Mobility Plan standards, as well as separate vehicle and pedestrian access to reduce interruptions to pedestrian traffic and safety. Landscaping along the Project frontages would also be provided to further enhance the pedestrian environment. The Project proposes ground floor commercial space, which would further enhance the pedestrian experience.
Policy 2.4 Neighborhood Enhanced Network Provide a slow speed network of locally serving streets.	**Consistent.** No streets adjacent to the Project are identified as part of the Mobility Plan's Neighborhood Enhanced Network. The Project is proposing pedestrian improvements along the Project frontages to meet the long-term mobility needs identified in the Mobility Plan.
Policy 2.5 Transit Network Improve the performance and reliability of existing and future bus service.	**Consistent.** No streets adjacent to the Project Site are identified as part of the Mobility Plan's Transit Enhanced Network. Nevertheless, the Project would encourage more transit usage by developing a mixed-use project with convenient access to bus transit services.
Policy 2.6 Bicycle Networks Provide safe, convenient, and comfortable local and regional bicycling facilities for people of all types and abilities. (includes scooters, skateboards, rollerblades, etc.)	**Consistent.** The Project does not propose modifying, removing, or otherwise affecting existing bicycle infrastructure. No driveways would be located along a street with an existing bicycle facility. Bicycle parking would also be provided on-site in accordance with LAMC requirements.
Policy 2.7 Vehicle Network Provide vehicular access to the regional freeway system.	**Consistent.** Vehicular access would be provided via driveways along Warehouse Street and internal to the Project Site off Bay Street. These two streets feed onto 7th Street and Alameda Street, which both provide regional access to and from the freeway system.
Policy 2.9 Multiple Networks Consider the role of each mode enhanced network when designing a street that included multiple modes.	**Consistent.** 7th Street and Alameda Street adjacent to the Project Site are part of multiple networks designated by the Mobility Plan. The Project would provide and accommodate for the various modes of travel on the streets and minimize conflicts to prioritize safety. The Project would not preclude any future improvements to the adjacent roadway network.
Policy 2.10 Loading Areas Facilitate the provision of adequate on and off-street loading areas.	**Consistent.** All proposed delivery drop-off/loading zones would be provided on-site, including loading for large trucks. The loading zones would be managed to facilitate safe loading operations and to limit vehicle queue spillovers into the travel lanes.

Notes:
[a] Objectives, Policies, Programs, or Plans based on information provided in *Mobility Plan 2035: An Element of the General Plan* (Los Angeles Department of City Planning, January 2016).

TABLE 5 (CONT.)
PROJECT CONSISTENCY WITH MOBILITY PLAN 2035

Objective, Policy, Program, or Plan [a]	Analysis of Project Consistency
Chapter 3 - Access for All Angelenos	
Policy 3.1 Access for All Recognize all modes of travel, including pedestrian, bicycle, transit, and vehicular modes – including goods movement – as integral components of the City's transportation system.	**Consistent.** The Project is committed to encouraging multi-modal transportation alternatives and access for all travel modes to and from the Project Site. The Project would provide loading zones on-site for trucks. The Project also would provide infrastructure (short- and long-term bicycle parking) to encourage walking and bicycling. Additionally, the Project is located adjacent to numerous Metro bus stops which provides access to a variety of travel modes for residents, employees, and visitors to the Project Site.
Policy 3.2 People with Disabilities Accommodate the needs of people with disabilities when modifying or installing infrastructure in the public right-of-way.	**Consistent.** The Project's vehicular and pedestrian entrances would be designed in accordance with LADOT standards and would comply with Americans with Disabilities Act (ADA) requirements. The Project design would also be in compliance with all ADA requirements and would provide direct connections to pedestrian amenities at adjacent intersections.
Policy 3.5 Multi-Modal Features Support "first-mile, last-mile solutions" such as multi-modal transportation services, organizations, and activities in the areas around transit stations and major bus stops (transit stops) to maximize multi-modal connectivity and access for transit riders.	**Consistent.** As a Project design feature, the Project would provide LAMC-required bicycle parking facilities. This feature would support multi-modal connectivity and access for transit riders.
Policy 3.8 Bicycle Parking Provide bicyclists with convenient, secure, and well-maintained bicycle parking facilities.	**Consistent.** The Project would provide short-term and long-term bicycle parking throughout the Project Site that would satisfy the LAMC requirement.
Chapter 4 - Collaboration, Communication, & Informed Choices	
Policy 4.5 Improved Communication Facilitate communications between citizens and the City in reporting on and receiving responses to non-emergency street improvements.	**Consistent.** As part of the Project's Construction Management Plan, advance notification to the adjacent property owners and occupants of upcoming construction activities, including durations and daily hours of construction, would be provided.
Policy 4.8 Transportation Demand Management Strategies Encourage greater utilization of Transportation Demand Management (TDM) strategies to reduce dependence on single-occupancy vehicles.	**Consistent.** The Project incorporates bike parking per LAMC requirements, including short-term and long-term parking facilities and bicycle amenities, as a design features to reduce the number of single occupancy vehicle trips to the Project Site.
Policy 4.13 Parking and Land Use Management Balance on-street and off-street parking supply with other transportation and land use objectives.	**Consistent.** The Project would provide sufficient off-street parking to accommodate Project parking demand. No on-street parking would be provided adjacent to the Project on Alameda Street or 7th Street.
Policy 4.14 Wayfinding Provide widespread, user-friendly information about mobility options and local destinations, delivered through a variety of channels including traditional signage and digital platforms.	**Consistent.** The Project would incorporate illumination for parking, signage, and security purposes.

Notes:
[a] Objectives, Policies, Programs, or Plans based on information provided in *Mobility Plan 2035: An Element of the General Plan* (Los Angeles Department of City Planning, January 2016).

TABLE 5 (CONT.)
PROJECT CONSISTENCY WITH MOBILITY PLAN 2035

Objective, Policy, Program, or Plan [a]	Analysis of Project Consistency
Chapter 5 - Clean Environments & Healthy Communities	
Policy 5.1 Sustainable Transportation Encourage the development of a sustainable transportation system that promotes environmental and public health.	**Consistent.** As part of the Project, secured bicycle parking facilities and pedestrian connections within the Project Site and connecting to off-site pedestrian facilities would be provided. This would promote active transportation modes such as biking and walking. Additionally, the Project is located adjacent to several Metro bus stops, providing residents, employees, and visitors to the Project with public transportation alternatives.
Policy 5.2 Vehicle Miles Traveled (VMT) Support ways to reduce vehicle miles traveled (VMT) per capita.	**Consistent.** The Project is estimated to generate lower household VMT per capita than the average for the area, as demonstrated in Section 4B. Additionally, the Project incorporates bicycle parking as a Project design feature to reduce the number of single-occupancy vehicle trips to the Project Site.
Policy 5.4 Clean Fuels and Vehicles Continue to encourage the adoption of alternative fuels, new mobility technologies, and supporting infrastructure.	**Consistent.** The Project would incorporate bicycle parking to promote and provide employees and patrons the opportunity to utilize alternative transportation modes to reduce VMT by reducing the number of single occupancy vehicle trips to the Project Site, as well as support electric vehicles by providing charging stations and infrastructure.

Notes:
[a] Objectives, Policies, Programs, or Plans based on information provided in *Mobility Plan 2035: An Element of the General Plan* (Los Angeles Department of City Planning, January 2016).

TABLE 6
PROJECT CONSISTENCY WITH PLAN FOR A HEALTHY LOS ANGELES

Objective, Policy, Program, or Plan [a]	Analysis of Project Consistency
Chapter 1 - Los Angeles, a Leader in Health and Equity	
Policy 1.5 Plan for Health Improve Angelenos' health and well-being by incorporating a health perspective into land use, design, policy, and zoning decisions through existing tools, practices, and programs.	**Consistent.** The Project prioritizes safety and access for all individuals utilizing the site by complying with all ADA requirements and providing direct connections to pedestrian amenities at adjacent intersections. Further, the Project supports healthy lifestyles by locating housing and jobs near transit (Metro Local Bus Lines), providing bicycle parking, and enhancing the pedestrian environment by providing landscape elements for a more comfortable environment for pedestrians along 7th Street and Alameda Street.
Policy 1.6 Poverty and Health Reduce the debilitating impact that poverty has on individual, familial, and community health and well-being by: promoting cross-cutting efforts and partnerships to increase access to income; safe, healthy, and stable affordable housing options; and attainable opportunities for social mobility.	**Consistent.** The Project includes 114 affordable housing units within close proximity to transit. Also, the Project's ground floor commercial uses provide employment and entrepreneurial opportunities accessible via alternative modes of transit near the Project Site.
Policy 1.7 Displacement and Health Reduce the harmful health impacts of displacement on individuals, families and communities by pursuing strategies to create opportunities for existing residents to benefit from local revitalization efforts by: creating local employment and economic opportunities for low-income residents and local small businesses; expanding and preserving existing housing opportunities available to low-income residents; preserving cultural and social resources; and creating and implementing tools to evaluate and mitigate the potential displacement caused by large-scale investment and development.	**Consistent.** In addition to the 114 affordable housing units, the Project provides employment opportunities near transit through its provision of ground floor commercial space. Further, the Project does not displace any existing housing; rather, it converts a substantial amount of underutilized land into an active and vibrant mixed-use community with improved mobility options.
Chapter 5 - An Environment Where Life Thrives	
Policy 5.7 Land Use Planning for Public Health and GHG Emission Reduction Promote land use policies that reduce per capita greenhouse gas emissions, result in improved air quality and decreased air pollution, especially for children, seniors and others susceptible to respiratory diseases.	**Consistent.** The Project incorporates bike parking per LAMC requirements, including short-term and long-term parking facilities and bicycle amenities, as a design feature to reduce the number of single occupancy vehicle trips to the Project Site. VMT directly contributes to GHG emissions, so a reduced VMT per capita also reduces GHG per capita.

Notes:
[a] Objectives, Policies, Programs, or Plans based on information provided in *Plan for a Healthy Los Angeles: A Health and Wellness Element of the General Plan* (Los Angeles Department of City Planning, March 2015).

TABLE 7
PROJECT CONSISTENCY WITH DOWNTOWN COMMUNITY PLAN

Objective, Policy, Program, or Plan [a]	Analysis of Project Consistency
Policy LU 1.1: Ensure the development of complete neighborhoods with diverse uses and resilient infrastructure, parks, streetscapes, transit, and community amenities.	**Consistent.** The Project proposes a mixed-use development located within 0.5 miles of numerous Metro bus stops which provide access to alternative transportation modes for residents, employees, and visitors to the Project Site. The Project aims to enhance the existing site by actively engaging with streets and public space.
Policy LU 1.2: Create zoning tools to provide for a diverse and inclusive Downtown through a range of housing and employment options.	**Consistent.** The Project includes a mix of market rate and affordable housing units, as well as ground floor commercial space that can provide employment and entrepreneurial opportunities.
Policy LU 2.1: Foster an equitable and inclusive Downtown, with housing options that can accommodate the fullest range of economic and social needs.	**Consistent.** The Project includes a mix of market rate and affordable housing units.
Policy LU 3.1: Recognize additional housing unit options to accommodate a variety of household sizes, including larger households, such as those with children, multigenerational living, and special needs populations.	**Consistent.** The Project includes a mix of market rate and affordable housing units with various unit mixes.
Policy LU 3.3: Foster healthy communities composed of mixed-income housing in proximity to transit, jobs, amenities, services, cultural resources, and recreational facilities.	**Consistent.** The Project is located within 0.50 miles several Metro bus stops, providing residents, employees, and visitors to the Project with public transportation alternatives.
Policy LU 9.7: Expand access to employment opportunities with improved physical connections to and within Downtown and expanded transit service to employment districts.	**Consistent.** The Project would expand access to employment opportunities by locating a mixed-use development within 0.50 miles of several Metro bus stops, providing residents, employees, and visitors to the Project with public transportation alternatives.
Policy LU 7.8: Encourage mixed-use and commercial development to provide retail spaces conducive to community-serving small businesses and business incubation.	**Consistent.** The Project proposes a mix of high-density residential uses and commercial uses.
Policy LU 10.4: Support infill development that responds and contributes to neighborhood character.	**Consistent.** The Project is an infill development as it proposes to convert a substantial amount of underutilized land into an active and vibrant mixed-use community that includes high-density residential uses and commercial uses.
Policy LU 11.1: Require active ground floors and street frontages that improve walkability and connectivity, especially between transit stations and nearby destinations.	**Consistent.** The Project incorporates landscaping and lighting along Project frontages and is designed to be street facing from 7th Street and Alameda Street. Additionally, the Project is located within 0.50 miles several Metro bus stops, providing residents, employees, and visitors to the Project with public transportation alternatives.
Policy LU 11.4: Encourage building design that connects and orients people toward destinations and activity centers.	**Consistent.** The Project includes open space, landscaping, and comfortable pedestrian walkways to active the streetscape and connect people towards destinations and activity centers.

Notes:
[a] Objectives, Policies, Programs, or Plans based on information provided in *Downtown Los Angeles Community Plan* (Los Angeles Department of City Planning, January 2025).

TABLE 7 (CONT.)
PROJECT CONSISTENCY WITH DOWNTOWN COMMUNITY PLAN

Objective, Policy, Program, or Plan [a]	Analysis of Project Consistency
Policy LU 11.8: Promote compact development and encourage walking, biking, and transit use by encouraging no or minimal parking, when possible.	**Consistent.** The Project would promote compact development by proposing a mixed-use development located within a neighborhood with several existing commercial, residential, industrial, and retail establishments. The Project does not propose excess parking as compared to the LAMC requirements. Additionally, it encourages alternative transportation by providing secured bicycle parking facilities. This would promote active transportation modes such as biking and walking. Additionally, the Project is located within 0.50 miles several Metro bus stops, providing residents, employees, and visitors to the Project with public transportation alternatives.
Policy LU 11.9: Encourage underground parking, when provided, to increase the amount of above grade building square footage dedicated to active uses and to improve the pedestrian environment.	**Consistent.** The Project would provide vehicle parking spaces within two subterranean parking levels under each building.
Policy LU 19.2: Ensure a vibrant mixture of land uses, including office, hotel, retail, residential, cultural, and entertainment, that together reinforce Downtown as the primary center of urban activity in the Southern California region.	**Consistent.** The Project proposes vibrant mixture of uses including high-density residential uses and retail uses located in downtown Los Angeles.
Policy LU 22.2: Foster and reinforce cohesive, pedestrian-friendly, and inviting streetscapes that promote walking, bicycling, and transit use. Encourage the creative infill of landscaped setbacks and inoperative spaces, such as those resulting from inconsistent street walls.	**Consistent.** The Project includes the provision of pedestrian amenities including adequate sidewalks, street trees, open space, and landscaping. The Project also proposed ground-floor commercial space, which would further enhance the pedestrian experience. Overall, the Project would be designed to actively engage with streets and public space.
Policy LU 22.6: Encourage new developments to contribute to the pedestrian and open space network with publicly accessible plazas and paseos. Design these spaces with appropriate shade and landscaping.	**Consistent.** The Project incorporates various design features to promote open space and improve the pedestrian network, which include landscaping elements that provide shade and adequate sidewalks along Project frontages.
Policy LU 22.9: Encourage an active, walkable environment through building design that incorporates active ground floor uses and streetscape elements that provide an enhanced pedestrian experience.	**Consistent.** The Project incorporates landscaping and lighting along Project frontages and is designed to be street facing from Alameda Street and 7th Street. In addition, the Project proposes ground floor commercial space, which would further enhance the pedestrian experience.
Policy MC 2.1: Establish a mode share goal of 75% for transit, walking, and biking for the year 2040 to improve the sustainability of Downtown's mobility network and increase access for residents, workers, and visitors.	**Consistent.** Although Policy MC 2.1 sets a City goal for mode share and not a project-specific goal, the Project would be consistent with this policy. Specifically, the Project would support multi-modal mobility options such as biking and transit usage. Additionally, the Project design incorporates the TDM strategy of LAMC required bicycle parking to reduce the number of single occupancy vehicle trips to the Project Site.
Policy MC 2.2: Implement strategies to reduce vehicle miles traveled per capita.	**Consistent.** The Project is estimated to generate lower household VMT per capita than the average for the area. Further, it would implement a TDM program to further reduce VMT per capita.

Notes:
[a] Objectives, Policies, Programs, or Plans based on information provided in *Downtown Community Plan* (Los Angeles Department of City Planning, adopted May 2023, effective January 2025).

TABLE 7 (CONT.)
PROJECT CONSISTENCY WITH DOWNTOWN COMMUNITY PLAN

Objective, Policy, Program, or Plan [a]	Analysis of Project Consistency
Policy MC 2.5: Facilitate integration between different modes of travel to create a seamless experiences as users switch between modes and to promote transit use and active transportation.	**Consistent.** The Project would support multi-modal mobility options such as biking with a bicycle parking facilities. Additionally, the Project is located within 0.50 miles of several Metro bus stops.
Policy MC 3.4: Enhance the pedestrian experience between major destinations and transit stations through improved streetscapes and wayfinding programs.	**Consistent.** The Project incorporates landscaping and lighting along Project frontages and is designed to be street facing from Alameda Street and 7th Street. In addition, the Project proposes ground-floor commercial space, which would further enhance the pedestrian experience.
Policy MC 4.2: Encourage residential and office buildings to provide bicycle related amenities such as repair stations and showers to facilitate cycling for residents, workers, and visitors.	**Consistent.** The Project proposes residential uses and would provide bicycle infrastructure, services, and amenities to encourage bicycling for residents, employees, and visitors to the Project Site.
Policy MC 7.3: Encourage projects to include designated spaces for rideshare vehicles and pick-up / drop-off zones.	**Consistent.** The Project will provide passenger loading opportunities within the Project Site.

Notes:
[a] Objectives, Policies, Programs, or Plans based on information provided in *Downtown Community Plan* (Los Angeles Department of City Planning, adopted May 2023, effective January 2025).

TABLE 8
PROJECT CONSISTENCY WITH CITYWIDE DESIGN GUIDELINES

Objective, Policy, Program, or Plan [a]	**Analysis of Project Consistency**
Pedestrian-First Design	
Guideline 1: Promote a safe, comfortable, and accessible pedestrian experience for all Design projects to be safe and accessible and contribute to a better public right-of-way for people of all ages, genders, and abilities, especially the most vulnerable - children, seniors, and people with disabilities. **Guideline 2: Carefully incorporate vehicular access such that it does not degrade the pedestrian experience** Design to avoid pedestrian and vehicular conflicts and to create an inviting and comfortable public right-of-way. A pleasant and welcoming public realm reinforces walkability and improves the quality of life for users. **Guideline 3: Design projects to actively engage with streets and public space and maintain human scale** New projects should be designed to contribute to a vibrant and attractive public realm that promotes a sense of civic pride. Better connections within the built environment contribute to a livable and accessible city and a healthier public realm.	**Consistent.** The Project design includes accessible sidewalks, pedestrian amenities, and well-designed vehicular access driveways in accordance with the City's design considerations. The Project would provide street trees to provide for a more comfortable pedestrian environment. Further, the orientation of the Project pedestrian entrances ensures that the Project actively engages with the street activity and its surrounding uses. The Project proposes ground floor commercial space, which would further enhance the pedestrian experience.

Notes:
[a] Objectives, Policies, Programs, or Plans based on information provided in the Citywide Design Guidelines (Los Angeles Department of City Planning, 2019).

Section 4B: Threshold T-2.1
Causing Substantial VMT Analysis

Threshold T-2.1 states that a residential project would result in a significant VMT impact if it cannot meet the household VMT per capita of 15% below the existing average household VMT per capita for the Area Planning Commission (APC) area in which a project is located. Similarly, a commercial project would result in a significant VMT impact if it cannot meet the work VMT per employee of 15% below the existing average work VMT per employee for the APC area in which the project is located.

The VMT analysis presented below was conducted in accordance with the TAG, which satisfies State requirements under SB 743.

VMT METHODOLOGY

The following describes the methodology by which vehicle trips and VMT are calculated in *City of Los Angeles VMT Calculator Version 1.5* (LADOT, October 2024) (VMT Calculator), as detailed in *City of Los Angeles VMT Calculator Documentation* (LADOT and LADCP, May 2020). LADOT developed the VMT Calculator to estimate project-specific daily household VMT per capita and daily work VMT per employee for developments within City limits, which are based on the following types of one-way trips:

- Home-Based Work Production: trips from a residential use to a workplace destination
- Home-Based Other Production: trips from a residential use to a non-workplace destination (e.g., retail, restaurant)
- Home-Based Work Attraction: trips from a workplace to a residential use destination

As detailed in *City of Los Angeles VMT Calculator Documentation*, the household VMT per capita threshold applies to Home-Based Work Production and Home-Based Other Production trips, and the work VMT per employee threshold applies to Home-Based Work Attraction trips, as the

location and characteristics of residences and workplaces are often the main drivers of VMT, as detailed in Appendix 1 of *Technical Advisory on Evaluating Transportation Impacts in CEQA* (OPR, December 2018) (Technical Advisory).

Other types of trips generated in the VMT Calculator include Non-Home-Based Other Production (trips to a non-residential destination originating from a non-residential use), Home-Based Other Attraction (trips to a non-workplace destination originating from a residential use), and Non-Home-Based Other Attraction (trips to a non-residential destination originating from a non-residential use). These trip types are not factored into the VMT per capita and VMT per employee thresholds as those trips are typically localized and are assumed to have a negligible effect on the VMT impact assessment. However, those trips are factored into the calculation of total project VMT for screening purposes when determining if VMT analysis would be required.

Table 2.2-1 of the TAG details the following daily household VMT per capita and daily work VMT per employee impact criteria (15% below APC average) for the APC areas:

APC	Daily Household VMT per Capita	Daily Work VMT per Employee
Central	6.0	7.6
East LA	7.2	12.7
Harbor	9.2	12.3
North Valley	9.2	15.0
South LA	6.0	11.6
South Valley	9.4	11.6
West LA	7.4	11.1

Source: TAG

The Project is located within the Central APC and, therefore, has a daily household VMT per capita impact threshold (15% below APC average) of 6.0 and a daily work VMT per employee impact threshold (15% below APC average) of 7.6.

Retail VMT

According to the TAG, regional-serving retail can lengthen trips and increase VMT because it is likely to shift business away from local-serving retail options. Conversely, local-serving retail (which includes restaurant space) tends to shorten trips and reduce VMT because it attracts trips from nearby residences and businesses that would otherwise travel further to find suitable options. As detailed in OPR's Technical Advisory and the TAG, retail stores that are less than 50,000 sf within mixed-use development projects are considered local-serving and are assumed to have less than significant VMT impacts.

Travel Behavior Zones (TBZ)

The City developed TBZ categories to determine the magnitude of VMT and vehicle trip reductions that could be achieved through TDM strategies. As detailed in *City of Los Angeles VMT Calculator Documentation*, the development of the TBZs considered the population density, land use density, intersection density, and proximity to transit of each Census tract in the City. The TBZs are categorized as follows:

1. Suburban (Zone 1): Very low-density primarily centered around single-family homes and minimally connected street network
2. Suburban Center (Zone 2): Low-density developments with a mix of residential and commercial uses with larger blocks and lower intersection density
3. Compact Infill (Zone 3): Higher density neighborhoods that include multi-story buildings and well-connected streets
4. Urban (Zone 4): High-density neighborhoods characterized by multi-story buildings with a dense road network

The VMT Calculator determines a project's TBZ based on the latitude and longitude of a project address. The Project is located within a Compact Infill (Zone 3) TBZ.

Mixed-Use Development Methodology

As detailed in *City of Los Angeles VMT Calculator Documentation*, the VMT Calculator accounts for the interaction of land uses within a mixed-use development and considers the following sociodemographic, land use, and built environment factors for a project area:

- Land use density of the project
- Transportation network connectivity
- Availability of and proximity to transit
- Proximity to retail and other destinations
- Vehicle ownership rates
- Household size

Trip Lengths

The VMT Calculator determines a project's VMT based on trip length information from the City's Travel Demand Forecasting Model, which considers the traffic analysis zones within 0.125 miles of a project to determine the average trip length and trip type, which factor into the calculation of a project's VMT.

Population and Employment Assumptions

As previously stated, the VMT thresholds identified in the TAG are based on household VMT per capita and work VMT per employee. Thus, the VMT Calculator contains population assumptions developed based on Census data for the City and employment assumptions derived from multiple data sources, including *2012 Developer Fee Justification Study* (Los Angeles Unified School District [LAUSD], 2012), *Trip Generation Manual, 9th Edition* (ITE, 2012), the San Diego Association of Governments Activity Based Model, the United States Department of Energy, and other modeling resources. A summary of population and employment assumptions for various land uses is provided in Table 1 of *City of Los Angeles VMT Calculator Documentation*.

TDM Measures

Additionally, the VMT Calculator measures the reduction in VMT resulting from a project's incorporation of TDM measures or strategies whether as part of regulatory compliance, project design features, or mitigation measures. The following seven categories of TDM measures or strategies are included in the VMT Calculator:

1. Parking
2. Transit
3. Education and Encouragement
4. Commute Trip Reductions
5. Shared Mobility
6. Bicycle Infrastructure
7. Neighborhood Enhancement

TDM measures or strategies within each of these categories have been empirically demonstrated to reduce trip-making or mode choice in such a way as to reduce VMT, as documented in *Quantifying Greenhouse Gas Mitigation Measures* (California Air Pollution Control Officers Association, 2010).

PROJECT VMT ANALYSIS

The VMT Calculator was used to evaluate Project VMT for comparison to the VMT impact criteria. Based on guidance from the City, the VMT Calculator was modeled for the Project's land uses and their respective sizes as the primary input.

As stated in the TAG, retail and restaurant uses totaling less than 50,000 sf would be considered local-serving and would have a negligible effect on regional VMT. Therefore, the VMT impact of the Project's commercial component (totaling 6,547 sf) would be considered less-than-significant. As such, the VMT analysis presented below evaluates the household VMT per capita generated by the residential uses of the Project.

Project VMT

The Project would not be subject to the LAMC Section 12.26GJ requirement to incorporate TDM measures. However, as mentioned above, as a project design feature and TDM strategy, the Project would satisfy LAMC Section 12.21.A.16 by providing short term and long term bicycle parking, as identified in the VMT Calculator as a Bicycle Infrastructure strategy.

The VMT analysis results based on the VMT Calculator are detailed in Table 9. The VMT Calculator estimates that the Project would have 2,354 residents and generate a total home-based production VMT of 12,244. Thus, the Project would generate an average household VMT per capita of 5.2. The average household VMT per capita of the Project would not exceed the Central APC significant household VMT impact threshold (15% below APC average) of 6.0 and, therefore, the Project would not result in a significant VMT impact, and no mitigation measures would be required. The detailed output from the VMT Calculator is provided in Appendix D.

CUMULATIVE ANALYSIS

Cumulative effects of development projects are determined based on the consistency with the air quality and GHG reduction goals of *Connect SoCal – A Plan for Navigating to a Brighter Future* (Southern California Association of Governments, Adopted April 2024) (RTP/SCS) in terms of development location, density, and intensity. The RTP/SCS presents a long-term vision for the region's transportation system through Year 2050 and balances the region's future mobility and housing needs with economic, environmental, and public health goals.

As detailed in the TAG, for projects that do not demonstrate a project impact by applying an efficiency-based impact threshold (i.e., household VMT per capita or work VMT per employee) in the project impact analysis, a less than significant impact conclusion is sufficient in demonstrating there is no cumulative VMT impact, as those projects are already shown to align with the long-term VMT and GHG goals of the RTP/SCS.

As described above, the Project would not result in a significant VMT impact. Further, the Project would be designed to further reduce single occupancy trips to the Project Site by implementing TDM strategies including the provision of bike parking per the LAMC as Project design features.

Therefore, the Project would result in a less-than-significant cumulative impact under Threshold T-2.1, and no further evaluation or mitigation measures would be required.

Furthermore, the Project Site is well served by Metro rail and various local bus lines and would contribute to the productivity and use of the regional transportation system. The Project would both provide housing and commercial uses near transit and encourage active transportation by providing new bicycle parking infrastructure, in line with RTP/SCS goals. Thus, the Project would encourage a variety of transportation options and would be consistent with the RTP/SCS goal of maximizing mobility and accessibility in the region.

TABLE 9
VMT ANALYSIS SUMMARY

Prcject Information	
Land Use	**Size**
Housing | Multi-Family	886 du
Housing | Affordable Housing - Family	114 du
Retail | High-Turnover Sit-Down Restaurant [a]	6,547 sf
VMT Screening Analysis [b]	
Net Daily Vehicle Trips	4,676
Net Daily VMT	30,560
Prcject VMT Analysis [c]	
Resident Population	2,354
Employee Population	26
Project Area Planning Commission	Central
Travel Behavior Zone (TBZ) [d]	Compact Infill
Maximum Allowable VMT Reduction [e]	40%
Daily Vehicle Trips	4,648
Total Daily VMT	30,369
Total Home-Based Production VMT	12,244
Household VMT per Capita [f]	5.2
Impact Threshold	6.0
Significant Impact	**NO**
Total Home-Based Work Attraction VMT	125
Work VMT per Employee [g]	N/A
Impact Threshold	7.6
Significant Impact	**NO**

Notes:

du = dwelling units sf = square feet

[a] Commercial area analyzed as High-Turnover (Sit-Down) Restaurant to provide the most conservative analysis.

[b] As part of the VMT Screening Analysis of the approved MOU, the VMT Calculator Version 1.5 (October 2024) was used to estimate the net daily vehicle trips and net daily VMT for the Project prior to any VMT reductions associated with the implementation of TDM strategies as part of the Project. Based on the results, a detailed VMT analysis for the Project is required.

[c] The Project VMT evaluation incorporates VMT reductions associated with the implementation of TDM strategies as part of the Project and includes the provision of LAMC-required bicycle parking.

[d] A "Compact Infill" TBZ is characterized in *City of Los Angeles VMT Calculator Documentation* (LADOT and LADCP, May 2020) as higher density neighborhoods that include multi-story buildings and well connected streets.

[e] The maximum allowable VMT reduction is based on the Project's designated TBZ as determined in *Transportation Demand Management Strategies in LA VMT Calculator* (LADOT, November 2019) and *Quantifying Greenhouse Gas Mitigation Measures* (California Air Pollution Control Officers Association, 2010).

[f] Household VMT per Capita is based on the "home-based production" trip types.

[g] Per the TAG, retail and restaurant uses totaling less than 50,000 sf would be considered local-serving and would have a negligible impact on regional VMT. Therefore, the VMT impact of the Project's commercial component would be considered less-than-significant.

Section 4C: Threshold T-2.2

Substantially Inducing Additional Automobile Travel Analysis

The intent of Threshold T-2.2 is to assess whether a transportation project would induce substantial VMT by increasing vehicular capacity on the roadway network, such as the addition of through traffic lanes on existing or new highways, including general purpose lanes, high-occupancy vehicle lanes, peak period lanes, auxiliary lanes, and lanes through grade-separated interchanges.

The Project is not a transportation project that would induce automobile travel. Therefore, further evaluation is not required, and the Project would not result in a significant impact under Threshold T-2.2.

Section 4D: Threshold T-3

Substantially Increasing Hazards Due to a Geometric Design Feature or Incompatible Use Analysis

Threshold T-3 requires that a project undergo further evaluation if it proposes new driveways or new vehicle access points to the property from the public ROW or modifications along the public ROW (i.e., street dedications). Project access plans were reviewed to determine if the Project would substantially increase hazards due to geometric design features, including safety, operational, or capacity impacts, with consideration of the following factors:

1. The relative amount of pedestrian activity at Project access points
2. Design features/physical configurations that affect the visibility of pedestrians and bicyclists to drivers entering and exiting the site and the visibility of cars to pedestrians and bicyclists
3. The type of bicycle facilities the project driveway(s) crosses and the relative level of utilization
4. The physical conditions of the site and surrounding area, such as curves, slopes, walks, landscaping or other barriers that could result in vehicle/pedestrian, vehicle/bicycle, or vehicle/vehicle impacts
5. The Project location, or Project-related changes to the public ROW, relative to proximity to the HIN or a Safe Routes to School program area
6. Any other conditions, including the approximate location of incompatible uses that would substantially increase a transportation hazard.

PROJECT HAZARDS ANALYSIS

Driveway Design Features

Vehicular access to the Development Area is only available from within the Project Site and provided by internal driveways along Warehouse Street and Bay Street (outside of the public right of way). The Project would not modify roadway widths or otherwise affect the geometric design of the existing roads surrounding the Project Site, nor would it implement any features that would

obstruct sight distance or paths of vehicular, pedestrian, or bicycle travel at the existing intersections of Alameda Street & Bay Street, Alameda Street & Center Street, or 7th Street & Warehouse Street. The existing Project Site pedestrian and bicycle access would be maintained separate from vehicular access. Therefore, the Project driveways would neither result in an increase of total number of curb cuts, nor substantially increase vehicular conflicts with other vehicles, bicycles, and/or pedestrians, nor present any geometric design hazards related to traffic movement in the public right of way.

Pedestrian and Bicycle Activity

The Development Area pedestrian and bicycle access would be provided separate from the vehicular access via residential lobbies and commercial entrances located along the Project frontages on Alameda Street and Center Street. The Project would result in an increase in both pedestrian and bicycle activity primarily along 7th Street and Alameda Street; however, the existing 15-foot sidewalks along those frontages meet the City's standards and provide a continuous pedestrian connection to the Project Site. Additionally, the Project would improve the streetscape along the adjacent streets with new street trees and landscaping elements to create a walkable and attractive pedestrian environment. The driveways would not cross any existing or proposed bicycle infrastructure. Therefore, the Project is not anticipated to result in significant vehicle-pedestrian or vehicle-bicycle conflicts.

Physical Terrain

The topography of the Project Site is generally level, and the existing driveways intersect the sidewalk and street at right angles and provide adequate building setback to allow pedestrians and bicyclists to observe vehicles within the driveways. In addition, all pedestrian/bicycle access points would be located separate from vehicle driveways to limit potential pedestrian/bicycle and vehicle conflicts.

The Project would provide landscaped elements and street trees for shade along the Project Site perimeter and within the Project Site to create a walkable and attractive pedestrian environment.

Pedestrian sidewalks would be improved to meet City standards and to provide continuous pedestrian connections along the Project Site frontage.

Project Location

Adjacent to the Project Site, 7th Street is identified as part of the HIN. The Project Site is not considered part of any identified SRTS. Additionally, the SRTS map does not identify any infrastructure improvement projects within the Study Area.

While the Development Area driveways are located internal to the Project Site, the existing Project Site driveways are located along 7th Street, which is designated as part of the BLN and PED, and Alameda Street, which is designated as part of the PED, as identified in the Mobility Plan. Although these designations prioritize bicycle and pedestrian mobility, the Project would not create conflicts with these modal priorities because it does not introduce design elements or traffic patterns that would obstruct or degrade their functionality. As such, the Project would not preclude or interfere with the implementation of future roadway improvements benefiting transit, pedestrians, or bicycles.

Incompatible Uses

The Project design incorporates and expands on the surrounding areas to provide a more attractive, well-defined, and accessible interaction between the Project Site and the surrounding uses. None of the Project design elements or land uses are considered incompatible with the surrounding uses. The Project is a primarily residential use located adjacent to predominantly industrial uses; the vehicular mix would be typical of a mixed-use, primarily residential developments rather than industrial operations that generate a high volume of truck traffic that could disrupt mobility priorities. Further, there are no unusual or new obstacles that would be considered hazardous to motorized vehicles, non-motorized vehicles, or pedestrians.

Based on the analysis above, the Project does not present any geometric design hazards related to traffic movement, mobility, pedestrian accessibility, or incompatible uses. Thus, the Project would not result in a significant impact under Threshold T-3.

CUMULATIVE ANALYSIS

In addition to potential Project-specific impacts, the TAG requires that the Project be reviewed in combination with Related Projects with access points along the same block as the Project to determine if there may be a cumulatively significant impact. The Related Projects are included in the non-CEQA analysis for future conditions and would have to be designed according to the City's guidelines. Therefore, the Project would not result in cumulative impacts, including safety, operational, or capacity impacts, that would substantially increase hazards due to geometric design features.

FREEWAY SAFETY ANALYSIS

Section 2.4.4 of the TAG outlines the methodology of assessing potential vehicle to vehicle impacts that may result in unsafe vehicle queues from freeway off-ramp facilities due to speed differentials between the mainline freeway lanes and the queued vehicles at the off-ramp.

Analysis Methodology

Further freeway safety analysis is required for a development project when the project adds 25 or more peak hour trips to any freeway off-ramp. A project would result in adverse safety conditions at such a ramp if each of the following three criteria were met:

1. Under a scenario analyzing future conditions upon project buildout, with project traffic included, the off-ramp queue would extend to the mainline freeway lanes[4].
2. A project would contribute at least two vehicle lengths (50 feet, assuming 25 feet per vehicle) to the queue.
3. The average speed of mainline freeway traffic adjacent to the off-ramp during the analyzed peak hour(s) is greater than 30 mph.

[4] If an auxiliary lane is provided on the freeway, then half the length of the auxiliary lane is added to the ramp storage length.

Should an adverse safety condition be identified, corrective measures to be considered include TDM measures to reduce a project's trip generation, investments in active transportation or transit system infrastructure to reduce a project's trip generation, changes to the traffic signal timing or lane assignments at the ramp intersection, or physical changes to the off-ramp. Any physical change to the ramp would have to improve safety, not induce greater VMT, and not result in secondary environmental impacts.

Project Freeway Safety Analysis

Based on the Project's trip generation estimates and trip assignments, which are described in Chapter 3 and detailed in the MOU provided in Appendix A, the Project would not add 25 or more peak hour trips to any freeway off-ramp locations. Therefore, no further freeway off-ramp queuing analysis is required as it is assumed that the Project would not result in a significant safety impact with that level of peak hour trips, and no corrective measures at any freeway off-ramps would be required.

Chapter 5

Non-CEQA Transportation Analysis

This chapter summarizes the non-CEQA transportation analysis of the Project. It includes an evaluation of Project traffic, proposed access provisions, safety, and circulation operations of the Project, and pedestrian, bicycle, and transit facilities in the vicinity of the Project. This chapter also details the evaluation of the Project's operational conditions and effects due to Project construction.

Per Section 3.1 of the TAG, any deficiencies identified based on the non-CEQA transportation analysis is "not intended to be interpreted as thresholds of significance, or significance criteria for purposes of CEQA review unless otherwise specifically identified in Section 2." Section 3 of the TAG identifies the following four non-CEQA transportation analyses for reviewing potential transportation deficiencies that may result from a development project:

- Pedestrian, Bicycle, and Transit Access Assessment
- Project Access, Safety, and Circulation Evaluation
- Residential Street Cut-Through Analysis
- Project Construction Assessment

The four non-CEQA transportation analyses are reviewed in detail in Sections 5A through 5D. An additional analysis of the Project's proposed parking is provided in Section 5E.

Section 5A

Pedestrian, Bicycle, and Transit Assessment

This section assesses the Project's potential effect on pedestrian, bicycle, and transit facilities in the vicinity of the Project Site.

Factors to consider when assessing a project's potential effect on pedestrian, bicycle, and transit facilities, include the following:

- Would the project directly or indirectly result in a permanent removal or modification that would lead to the degradation of pedestrian, bicycle, or transit facilities?
- Would a project intensify use of existing pedestrian, bicycle, or transit facilities?

EXISTING FACILITIES

Pedestrians and Bicycles

Adjacent to the Project Site, approximately 15-foot-wide sidewalks are provided along Alameda Street & 7th Street. The adjacent signalized study intersection at Alameda Street & 7th Street (Intersection #3) provides pedestrian facilities, including curb ramps on all approaches, pedestrian phasing, and high-visibility crosswalk striping as shown in Figure 5. Additional pedestrian facilities located within the Project Site vicinity are illustrated in Figure 8.

In the immediate vicinity of the Project Site, there are currently Class II bicycle lanes on 7th Street east of Central Avenue and Class IV protected bicycle lanes on 7th Street west of Central Avenue and on Central Avenue. The Project would maintain the existing lanes adjacent to the Project Site on 7th Street, and no Development Area driveways or existing Project Site driveways would introduce new points of conflict between vehicles and bicycles.

Transit

The Metro Local 60 and 62 bus stops are located immediately adjacent to the Project Site at Alameda Street & 7th Street. Additional Metro service within the study area is provided in Table 2 and shown in Figure 9. The Project is located approximately 0.25 miles southeast from Central Avenue & 6th Street, which is a major transit stop served by two or more bus lines with a 20-minute service interval during the morning and afternoon commute periods. Specifically, Metro Lines 16, 18, 53, 60, 62, and 720 are available at this intersection.

INTENSIFICATION OF USE

The Project would result in additional pedestrian, bicycle, and transit activity in the vicinity of the Project Site. However, the Project would enhance the pedestrian environment by providing a more comfortable pedestrian experience by maintaining accessible sidewalks along the Project frontage and would encourage alternative transportation modes by providing bicycle parking and amenities for employees and visitors. In addition, the Project is located within a 0.25-mile walking distance of numerous Metro bus stops.

CONCLUSION

The Project would result in some intensification of pedestrian, bicycle, and transit activity in the vicinity of the Project Site. However, the amount of additional pedestrian, bicycle, and transit activity generated by the Project would not strain the capacity of facilities and operations dedicated to those modes. Furthermore, it is recognized that LADOT and Metro will continue to maintain and expand regional transit service in order to accommodate pedestrian, bicycle, and transit demand in the region.

Section 5B

Project Access, Safety, and Circulation Assessment

This section summarizes the site access, safety, and circulation of the Project Site. It includes a quantitative evaluation of the Project's access and circulation operations, as well as the anticipated LOS at the Study Area intersections and anticipated traffic queues.

PROJECT ACCESS

Vehicle Access and Internal Circulation

As described in Chapter 1, vehicular access would be provided via driveways along Warehouse Street and internal to the Project Site off Bay Street. The Project would provide internal drive aisles that would accommodate passenger vehicle and truck circulation.

The passenger loading and drop-off areas would be provided internal to the Project Site.

The internal driveways would be designed to be consistent with LADOT standards and reviewed by City staff, if necessary. Access control equipment would be designed and operated in order to limit delays at the driveways and general queue spillover. The circulation aisle widths of the parking areas would be designed to allow adequate and safe circulation of vehicles and trucks without significant conflicts. The vehicular access points are adequate to serve the demand of the Development Area and no significant internal congestion that would affect traffic flow on adjacent public streets is anticipated.

Pedestrians and Bicycles

Pedestrian and bicycle access would be provided separate from the vehicular access via residential lobbies and commercial entrances located along the Project frontages on Alameda Street and Center Street.

In the immediate vicinity of the Project Site, there are currently Class II bicycle lanes on 7th Street east of Central Avenue and Class IV protected bicycle lanes on Central Avenue and on 7th Street west of Central Avenue. No driveways are located on streets with bicycle facilities and, therefore, the driveways would not pose a safety hazard to bicyclists. The Project driveways would be designed and placed to provide adequate sight distance and pedestrian refuge areas to limit potential vehicular-bicycle or vehicular-pedestrian conflicts. In order to facilitate bicycle use, short-term and long-term bicycle parking spaces would be provided, as detailed in Section 5E.

OPERATIONAL EVALUATION

Intersection operations were evaluated for typical weekday morning (7:00 AM to 10:00 AM) and afternoon (3:00 PM to 6:00 PM) peak periods. A total of five signalized intersections and one unsignalized intersection in the vicinity of the Project Site were selected for detailed transportation analysis and are shown in Figure 3.

The following traffic conditions were developed and analyzed as part of this study:

- Existing with Project Conditions: This analysis condition estimates the potential intersection operating conditions that could be expected if the Project were built under existing conditions.
- Future with Project Conditions (Year 2032): This analysis condition estimates the potential intersection operating conditions that could be expected if the Project were occupied in the projected buildout year. In this analysis, the Project-generated traffic is added to Future without Project Conditions (Year 2032).

Methodology

In accordance with the TAG, the intersection delay and queue analyses for the operational evaluation were conducted using *Highway Capacity Manual, 6th Edition* (Transportation Research Board, 2016) (HCM) methodology, which was implemented using Synchro software and signal timing worksheets from the City to analyze intersection operating conditions. The HCM signalized methodology calculates the average delay, in seconds, for each vehicle passing through the intersections, while the HCM unsignalized two-way stop-control methodology calculates the control delay, in seconds, for individual approaches of an intersection. Table 10 presents a description of the LOS categories, which range from excellent, nearly free-flow traffic at LOS A, to stop-and-go conditions at LOS F, for signalized and unsignalized intersections. The queue lengths were estimated using Synchro, which reports the 95th percentile queue length for signalized and unsignalized intersections. The reported queues are calculated using the HCM signalized and unsignalized intersection methodology.

LOS and queuing worksheets for each scenario are provided in Appendix E.

Existing with Project Conditions

Traffic Volumes. The morning and afternoon peak hour traffic volumes generated by the Project, as described in Chapter 3 and shown in Figure 16, were added to the Existing Conditions morning and afternoon peak hour traffic volumes shown in Figure 10. The resulting volumes are illustrated in Figure 17 and represent Existing with Project Conditions (Year 2024), assuming Project operation under Existing Conditions.

Intersection LOS. Table 11 summarizes the weekday morning and afternoon peak hour LOS results for the Study Area intersections under Existing Conditions (Year 2024) and Existing with Project Conditions (Year 2024). As shown in Table 11, five out of six of the Study Area intersections operate at LOS C or better during both the morning and afternoon peak hours under Existing Conditions (Year 2024) and Existing with Project Conditions (Year 2024). Alameda Street & Center Street (Intersection #4) would operate at LOS D during both the morning and afternoon peak hours under Existing Conditions (Year 2024), LOS D under the morning peak hour under

Existing with Project Conditions (Year 2024), and LOS E during the afternoon peak hour under Existing with Project Conditions (Year 2024).

Future with Project Conditions

All future cumulative traffic growth (i.e., ambient and Related Project traffic growth) and transportation infrastructure improvements described in Chapter 2 are incorporated into this analysis.

Traffic Volumes. The morning and afternoon peak hour traffic volumes generated by the Project described in Chapter 3 and shown in Figure 16 were added to the Future without Project Conditions (Year 2032) morning and afternoon peak hour traffic volumes shown in Figure 13. The resulting volumes are illustrated in Figure 18 and represent Future with Project Conditions (Year 2032) after development of the Project.

Intersection LOS. Table 12 summarizes the results of the Future without Project Conditions (Year 2032) and Future with Project Conditions (Year 2032) during the weekday morning and afternoon peak hours for the Study Area intersections. As shown in Table 12, three out of six of the Study Area intersections operate at LOS C or better during both the morning and afternoon peak hours under Future without Project Conditions (Year 2032) and Future with Project Conditions (Year 2032). Alameda Street & 7th Street (Intersection #3), Alameda Street & Center Steet (Intersection #4), and Alameda Street & Olympic Boulevard (Intersection #6) would operate at LOS F during both the morning and afternoon peak hours under both Future without Project Conditions (Year 2032) and Future with Project Conditions (Year 2032).

INTERSECTION QUEUING ANALYSIS

In accordance with operational evaluation guidelines detailed in Section 3.3.3 of the TAG, the Project traffic was evaluated to determine whether the Project access would contribute to unacceptable queuing on an Avenue or Boulevard (as designated in the Mobility Plan) at Project driveways or would cause or substantially extend queuing at nearby signalized intersections. Per the TAG, unacceptable or extended queuing may be defined as follows:

- *Additional queue along through lanes and either of the following conditions are expected:*
    - *The prcjected peak hour intersection LOS is D and the through lane queue increases by greater than 75 feet on any approach with the directional approach LOS at E or F, or*
    - *The prcjected peak hour intersection LOS is E or F and the through lane queue increases by greater than 50 feet on any approach with the directional approach LOS at E or F.*
- *Spill over from turn pockets into through lanes.*
- *Block cross streets or alleys.*
- *Spill over from drive-throughs into streets.*
- *Contribute to "gridlock" congestion. For the purposes of this section, "gridlock" is defined as the condition where traffic queues between closely-spaced intersections and impedes the flow of traffic through upstream intersections.*

The queue lengths were estimated using Synchro software, which reports the 95th percentile queue length, in vehicles, for each approach lane. The queue lengths were then converted into a linear distance by multiplying vehicle lengths by 25 feet[5]. The reported queues are calculated using the HCM signalized and all-way stop control intersection methodology. The 95th percentile queue lengths are detailed in the HCM reports provided in Appendix E.

Based on the guidelines detailed above, an operational queuing evaluation was conducted at the five signalized study intersections. As detailed in Table 13, which summarizes the resulting queues, the Project would result in minor increases in vehicle queue lengths, but the minor increases would not be considered unacceptable or extended based on the criteria referenced above.

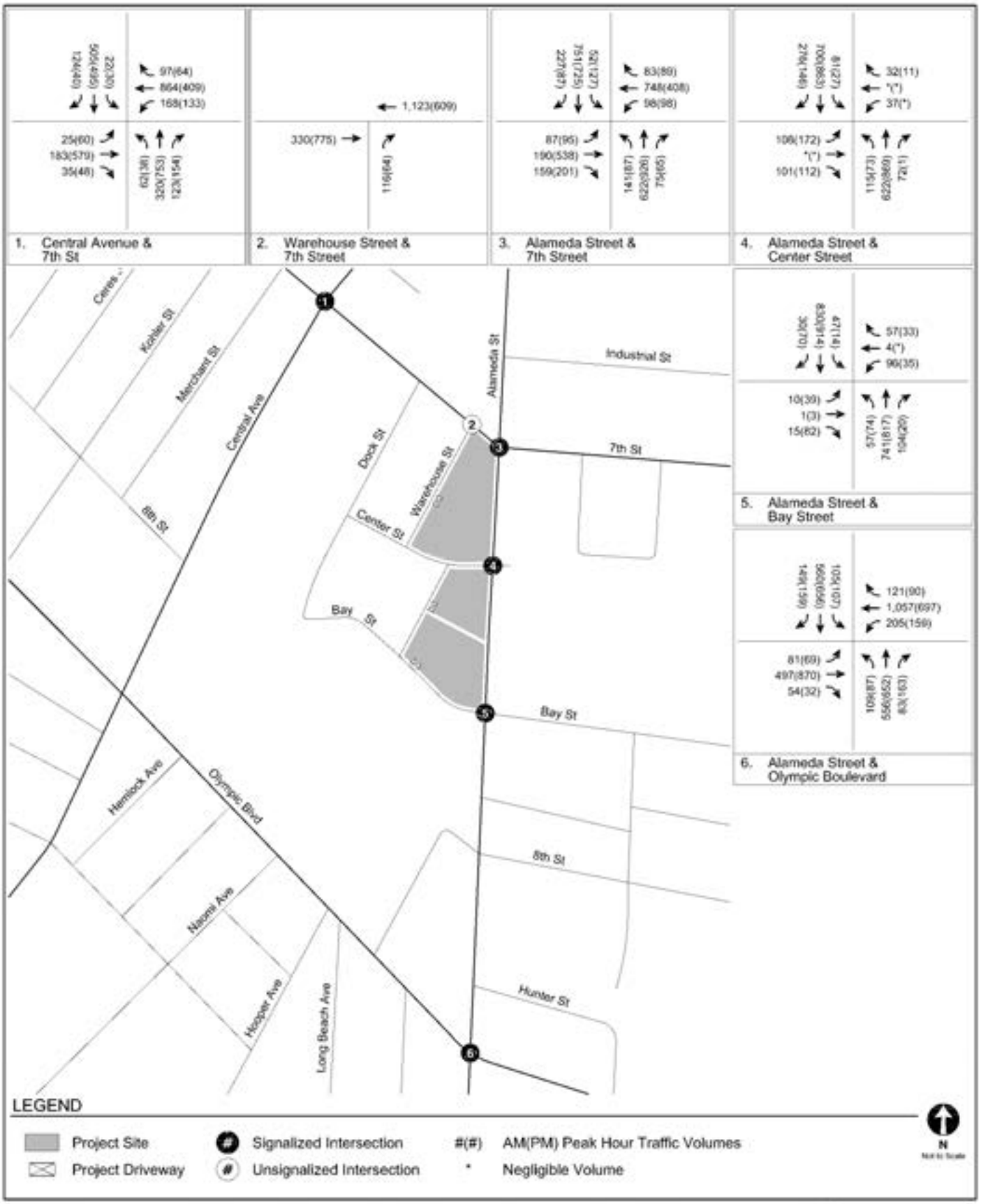
RECOMMENDED ACTIONS

It is anticipated that the Project will add to the cumulative traffic within the Study Area, as detailed above. As discussed in Section 4B, the Project will implement TDM strategies, such as LAMC required bicycle parking, to reduce both single occupancy trips to the Project Site and Project traffic throughout the Study Area during the most congested time periods of the day. The Project will develop and implement a TDM program, including Project design features such as the

[5] The 25-foot length represents a standard vehicle in queue along with spacing ahead/behind the queued vehicle.

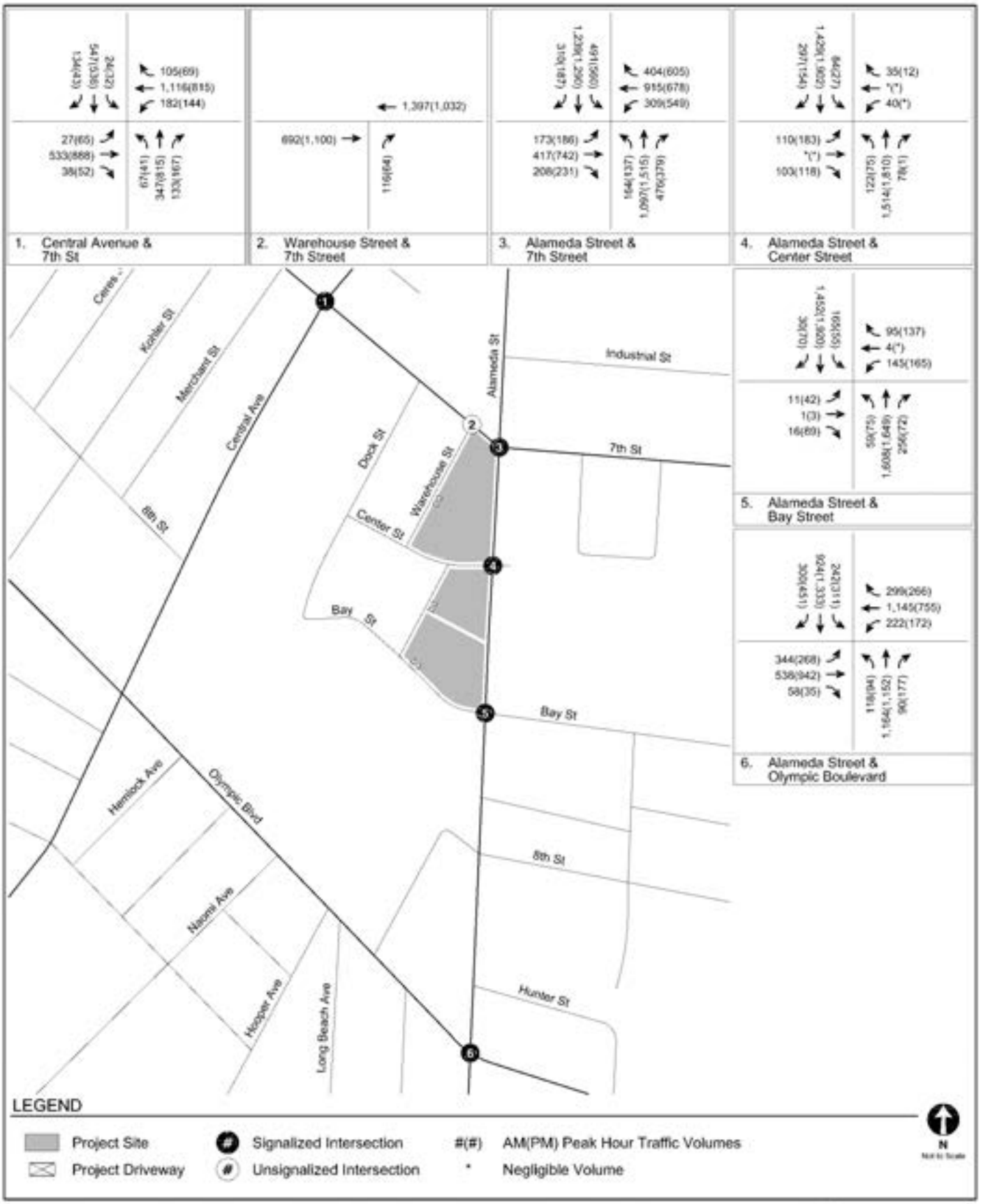
provision of bicycle parking per the LAMC, to promote non-automobile travel, reduce the use of single-occupant vehicle trips, etc.

Further, the Project would improve the overall pedestrian and bicycle environment with landscape elements. Beyond the identified TDM strategy, the Project may also manage site access and internal circulation operations to minimize potential queues and/or conflicts on the adjacent public ROW.



EXISTING WITH PROJECT CONDITIONS (YEAR 2024)
PEAK HOUR TRAFFIC VOLUMES

FIGURE 17



FUTURE WITH PROJECT CONDITIONS (YEAR 2032)
PEAK HOUR TRAFFIC VOLUMES

FIGURE 18

TABLE 10
INTERSECTION LEVEL OF SERVICE DEFINITIONS

Level of Service	Description	Delay [a]	
		Signalized Intersections	Unsignalized Intersections
A	EXCELLENT. No vehicle waits longer than one red light and no approach phase is fully used.	≤ 10	≤ 10
B	VERY GOOD. An occasional approach phase is fully utilized; many drivers begin to feel somewhat restricted within groups of vehicles.	> 10 and ≤ 20	> 10 and ≤ 15
C	GOOD. Occasionally drivers may have to wait through more than one red light; backups may develop behind turning vehicles.	> 20 and ≤ 35	> 15 and ≤ 25
D	FAIR. Delays may be substantial during portions of the rush hours, but enough lower volume periods occur to permit clearing of developing lines, preventing excessive backups.	> 35 and ≤ 55	> 25 and ≤ 35
E	POOR. Represents the most vehicles intersection approaches can accommodate; may be long lines of waiting vehicles through several signal cycles.	> 55 and ≤ 80	> 35 and ≤ 50
F	FAILURE. Backups from nearby locations or on cross streets may restrict or prevent movement of vehicles out of the intersection approaches. Tremendous delays with continuously increasing queue lengths.	> 80	> 50

Notes:

Source: *Highway Capacity Manual, 6th Edition* (Transportation Research Board, 2016).

[a] Measured in seconds.

TABLE 11
EXISTING CONDITIONS (YEAR 2024)
INTERSECTION LEVELS OF SERVICE

No.	Intersection [a]	Peak Hour	Existing Conditions		Existing with Project Conditions	
			Delay (sec)	LOS	Delay (sec)	LOS
1.	Central Avenue &	AM	21.3	C	21.7	C
	7th Street	PM	21.2	C	21.6	C
2.	Warehouse Street &	AM	9.3	A	10.1	B
[b]	7th Street	PM	0.0	A	12.0	B
3.	Alameda Street &	AM	25.8	C	26.3	C
	7th Street	PM	23.7	C	26.0	C
4.	Alameda Street &	AM	42.5	D	47.6	D
	Center Street	PM	53.2	D	72.3	E
5.	Alameda Street &	AM	4.5	A	4.0	A
	Bay Street	PM	4.4	A	3.9	A
6.	Alameda Street &	AM	24.3	C	25.4	C
	Olympic Boulevard	PM	24.2	C	25.0	C

Notes:

[a] Intersection analysis based on HCM Signalized methodology, which calculates the average intersection delay (in seconds) for each vehicle passing through the intersection, unless otherwise noted.

[b] Intersection analysis based on the HCM 6th Edition Two-Way Stop Control Unsignalized methodology, which calculates the control delay (in seconds) for each individual approach of an intersection. The reported control delay represents the worst-case approach for the minor street, and does not account for traffic gaps created by the of traffic via the adjacent traffic signals.

TABLE 12
FUTURE CONDITIONS (YEAR 2032)
INTERSECTION LEVELS OF SERVICE

No	Intersection [a]	Peak Hour	Future without Project Conditions		Future with Project Conditions	
			Delay (sec)	LOS	Delay (sec)	LOS
1.	Central Avenue &	AM	21.4	C	22.1	C
	7th Street	PM	26.1	C	26.5	C
2.	Warehouse Street &	AM	10.8	B	12.3	B
[b]	7th Street	PM	0.0	A	14.6	B
3.	Alameda Street &	AM	156.2	F	175.7	F
	7th Street	PM	339.6	F	419.1	F
4.	Alameda Street &	AM	248.9	F	259.6	F
	Center Street	PM	429.4	F	443.2	F
5.	Alameda Street &	AM	3.5	A	3.4	A
	Bay Street	PM	17.3	B	25.9	C
6.	Alameda Street &	AM	153.2	F	179.1	F
	Olympic Boulevard	PM	98.2	F	125.4	F

Notes:

[a] Intersection analysis based on HCM Signalized methodology, which calculates the average intersection delay (in seconds) for each vehicle passing through the intersection, unless otherwise noted.

[b] Intersection analysis based on the HCM 6th Edition Two-Way Stop Control Unsignalized methodology, which calculates the control delay (in seconds) for each individual approach of an intersection. The reported control delay represents the worst-case approach for the minor street, and does not account for traffic gaps created by the of traffic via the adjacent traffic signals.

TABLE 13
QUEUING ANALYSIS - FUTURE CONDITIONS (YEAR 2032)

No.	Intersection [a]	Future with Project Conditions					Lane	Vehicle Storage Capacity (ft) [d]	Future without Project Conditions (Year 2032)				Future with Project Conditions (Year 2032)				Change in Vehicle Queue Length (ft)	
		Intersection LOS [b]		Approach	Approach LOS [c]				Morning Peak Hour		Afternoon Peak Hour		Morning Peak Hour		Afternoon Peak Hour			
		Morning Peak Hour	Afternoon Peak Hour		Morning Peak Hour	Afternoon Peak Hour			Vehicle Queue Length (ft) [e]	Exceeds Capacity?	Vehicle Queue Length (ft) [e]	Exceeds Capacity?	Vehicle Queue Length (ft) [e]	Exceeds Capacity?	Vehicle Queue Length (ft) [e]	Exceeds Capacity?	Morning Peak Hour	Afternoon Peak Hour
1.	Central Avenue & 7th Street	C	C	EB	B	C	Left	150	28	NO	63	NO	28	NO	65	NO	0	2
							Through/Right	170	193	YES	305	YES	48	NO	320	YES	-145	15
				WB	D	C	Left	140	155	YES	195	YES	158	YES	200	YES	3	5
							Through/Right	480	398	NO	403	NO	423	NO	413	NO	25	10
				NB	B	C	Left	200	60	NO	35	NO	60	NO	35	NO	0	0
							Through/Right	1,230	155	NO	373	NO	158	NO	373	NO	3	0
				SB	C	C	Left/Through	230	248	YES	218	NO	248	YES	218	NO	0	0
							Through/Right	230	228	NO	223	NO	228	NO	223	NO	0	0
3.	Alameda Street & 7th Street	F	F	EB	F	F	Left	190	725	YES	800	YES	725	YES	800	YES	0	0
							Through/Right	380	208	NO	443	YES	275	NO	598	YES	67	155
				WB	F	F	Left	200	748	YES	2,545	YES	1,055	YES	2,770	YES	307	225
							Through/Right	290	1,408	YES	1,385	YES	1,408	YES	1,385	YES	0	0
				NB	D	F	Left	280	128	NO	93	NO	343	YES	140	NO	215	47
							Through/Right	480	1,080	YES	2,053	YES	1,318	YES	2,185	YES	238	132
				SB	D	E	Left	240	1,425	YES	1,778	YES	1,425	YES	1,778	YES	0	0
							Through/Right	300	538	YES	460	YES	560	YES	495	YES	22	35
4.	Alameda Street & Center Street	F	F	EB	C	C	Left/Through	150	23	NO	118	NO	90	NO	160	YES	67	42
							Right	150	18	NO	63	NO	85	NO	100	NO	67	37
				WB	D	D	Left/Through/Right	70	88	YES	13	NO	88	YES	13	NO	0	0
				NB	D	F	Left	200	70	NO	18	NO	88	NO	53	NO	18	35
							Through/Right	560	1,375	YES	1,783	YES	1,368	YES	1,763	YES	-7	-20
				SB	F	F	Left	150	45	NO	0	NO	123	NO	28	NO	78	28
							Through	480	1,850	YES	3,003	YES	2,043	YES	3,245	YES	193	242
							Right	170	225	YES	83	NO	240	YES	120	NO	15	37
5.	Alameda Street & Bay Street	B	A	EB	C	D	Left/Through	170	10	NO	35	NO	10	NO	35	NO	0	0
							Through/Right	170	13	NO	70	NO	13	NO	70	NO	0	0
				WB	D	D	Left/Through/Right	580	240	NO	280	NO	240	NO	280	NO	0	0
				NB	A	A	Left	200	0	NO	10	NO	0	NO	80	NO	0	70
							Through/Right	510	13	NO	13	NO	13	NO	18	NO	0	5
				SB	B	A	Left	350	25	NO	38	NO	40	NO	38	NO	15	0
							Through/Right	560	3	NO	625	YES	5	NO	828	YES	2	203
6.	Alameda Street & Olympic Boulevard	D	E	EB	F	C	Left	180	1,660	YES	640	YES	1,740	YES	825	YES	80	185
							Through/Right	300	195	NO	335	YES	195	NO	335	YES	0	0
				WB	C	C	Left	330	230	NO	270	NO	230	NO	270	NO	0	0
							Through/Right	260	715	YES	345	YES	748	YES	365	YES	33	20
				NB	C	E	Left	280	155	NO	238	NO	168	NO	250	NO	13	12
							Through/Right	690	540	NO	593	NO	568	NO	665	NO	28	72
				SB	D	F	Left	190	718	YES	1,160	YES	973	YES	1,323	YES	255	163
							Through	760	285	NO	483	NO	303	NO	495	NO	18	12
							Right	100	0	NO	0	NO	0	NO	0	NO	0	0

Notes:
LOS: Level of Service
Results per HCM 6th Edition.
[a] Per TAG Section 3.3.3, projects must be evaluated for unacceptable queueing at turn-pockets on an Avenue or Boulevard at project driveway(s) or at nearby signalized intersections.
[b] If the projected peak hour intersection LOS is D, E, or F (See *Table 12 - Future Conditions (Year 2032) Intersection Levels of Service*), evaluation of unacceptable queueing at through lanes is also required.
[c] Directional approach LOS included for locations where through lane queue evaluation is required.
[d] Vehicle storage capacity reflects turn pocket lengths (left/right-turn lanes) and distance between the intersection and the nearest cross street or alley (through lanes).
[e] Vehicle queue lengths were converted to feet (ft) by multiplying 25-feet per reported vehicle length.

Section 5C

Residential Street Cut-Through Analysis

This section summarizes the residential street cut-through analysis for the Project. The objective of the residential street cut-through analysis is to determine potential increases in average daily traffic volumes on designated Local Streets, as classified in the City's General Plan, that can be identified as cut-through trips generated by the Project and that can adversely affect the character and function of those streets.

Section 3.5.2 of the TAG provides a list of questions to assess whether the Project would negatively affect residential streets and guidance on selecting residential street segments for analysis with land use development project:

- *Would the prcject generate a net increase of 250 or more daily vehicles trips?*
- *Does the land use prcject include a discretionary action that would be under review by the Department of City Planning?*
- *All of the following conditions must be present when selecting a residential street segment for analysis:*
    - *The prcject is located along a currently congested Boulevard or Avenue and adds trips that may lead to trip diversion to parallel routes along Residential Streets. The congestion level of the Boulevard or Avenue can be determined based on the estimated peak hour LOS under prcject conditions of the study intersection(s). LOS E and LOS F are considered congested conditions;*
    - *The prcject is prcjected to add a substantial amount of automobile traffic to the congested Boulevard(s), Avenue(s), or Collector(s) that could potentially cause a shift to alternative route(s); and*
    - *Nearby residential street(s) (defined as Local Streets as designated in the City's General Plan passing through a residential neighborhooo) provide motorists with a viable alternative route. A viable alternative route is defined as one which is parallel and reasonably acjacent to the primary route as to make it attractive as an alternative to the primary route. LADOT has discretion to define which routes are viable alternative routes, based on, but not limited to, features such as geography and presence of existing traffic control devices, etc.*

While the Project satisfies the screening criteria to assess whether residential streets would be negatively affected, not all of the required conditions for the residential street segment analysis

selection criteria are present. Notably, the Local Streets nearby to the Project Site are not located within a residential neighborhood and do not provide continuous alternative/parallel routes to Alameda Street or 7th Street; additionally, no Local Streets provide direct access to the Project Site driveways. Thus, the Project is not required to conduct a Local Residential Street Cut-Through Analysis.

Section 5D

Project Construction Assessment

This section summarizes the construction schedule and construction analysis for the Project. The construction analysis relates to the temporary effects that may result from the construction activities associated with the Project and was performed in accordance with Section 3.4, Project Construction, of the TAG.

CONSTRUCTION EVALUATION CRITERIA

Section 3.4.3 of the TAG identifies the following three types of in-street construction constraints that require further analysis to assess the effects of Project construction on the existing pedestrian, bicycle, transit, or vehicle circulation.

1. Temporary transportation constraints – potential effects on the transportation system
2. Temporary loss of access – potential effects on visitors entering and leaving sites
3. Temporary loss of bus stops or rerouting of bus lines – potential effects on bus travelers

The factors considered include magnitude and duration of the temporary loss of access to transportation facilities, the potential inconvenience caused to users of the transportation system, and consideration for public safety. Construction activities could potentially interfere with pedestrian, bicycle, transit, or vehicle circulation and accessibility to adjoining areas. As detailed in Section 3.4.4 of the TAG, the proposed construction plans should be reviewed to determine whether construction activities would require any of the following actions:

- Street, sidewalk, or lane closures
- Block existing vehicle, bicycle, or pedestrian access along a street or to parcels fronting the street
- Modification of access to transit stations, stops, or facilities during revenue hours

- Closure or movement of an existing bus stop or rerouting of an existing bus line
- Creation of transportation hazards

PROPOSED CONSTRUCTION SCHEDULE

The Project is anticipated to be constructed over a 66-month period, with completion anticipated in Year 2032. Buildings A and B are anticipated to be constructed over 39 months, and Building C is anticipated to be constructed over 27 months. For Buildings A and B, peak haul truck activity occurs during the grading/shoring/excavation phase, and peak worker activity occurs during the building construction phase. For Building C, peak haul truck activity occurs during the grading & utilities phase, and peak worker activity occurs during the foundation/structure phase. These phases of construction were studied in greater detail.

PEAK HAUL TRUCK ACTIVITY PHASES

The peak period of truck activity during construction would occur during the grading/shoring/excavation phase of Buildings A and B and the grading & utilities phase of Building C. With the implementation of the Construction Management Plan, which is described in more detail below, it is anticipated that almost all haul truck activity to and from the Project Site would occur outside of the morning and afternoon peak hours. In addition, as discussed in more detail in the following section, worker trips to and from the Project Site would also occur outside of the peak hours. Therefore, no peak hour construction hauling impacts are expected during the respective peak truck activity phase of construction for each building.

Haul trucks would travel on approved truck routes designated within the City. Haul truck traffic would take the most direct route to the appropriate freeway ramps. The haul route will be reviewed and approved by the City.

Grading/Shoring/Excavation Phase Trip Generation – Buildings A & B

For construction of Building A, based on projections compiled for the Project, approximately 73,440 cubic yards (CY) of material would be excavated and removed from the Project Site over a 50-day period. For construction of Building B, approximately 42,960 CY of material would be excavated and removed from the Project Site over a 45-day period. It is anticipated that a maximum of 120 trucks per workday, based on an anticipated haul truck capacity of 14 CY, would be required for Buildings A and B during these phases. Thus, up to 240 daily truck trips (120 inbound, 120 outbound) are forecasted to occur during the grading/shoring/excavation phases, with approximately 18 trips per hour (nine inbound, nine outbound) uniformly over a typical 14-hour (7:00 AM – 9:00 PM), off-peak hauling period.

Because construction trucks (such as earth-hauling trucks and cement trucks) are larger and slower than the passenger vehicles that make up most of the vehicles on the roads, they have a greater effect on traffic than a passenger vehicle. *Transportation Research Circular No. 212, Interim Materials on Highway Capacity* (Transportation Research Board, 1980) defines passenger car equivalency (PCE) for a vehicle as the number of through moving passenger cars to which it is equivalent based on the vehicle's headway and delay-creating effects. Table 8 of *Transportation Research Circular No. 212* and Exhibit 22.11 of the HCM suggest a PCE of 2.0 for trucks traveling on level terrain. Assuming a PCE factor of 2.0, the 240 daily truck trips would be equivalent to 480 daily PCE trips. The 18 hourly truck trips would be equivalent to approximately 36 PCE trips per hour (18 inbound, 18 outbound).

In addition, a maximum of 40 daily construction workers is anticipated during the grading/excavation/shoring phase for both Buildings A and B. The 40 construction workers would result in 80 one-way vehicle trips (40 inbound, 40 outbound) to and from the Project Site daily during the grading/shoring/excavation phase. It is anticipated that most workers would arrive on-site prior to the weekday morning commuter peak hour and leave prior to or after the afternoon commuter peak hour. Therefore, no peak hour construction traffic impacts are expected during the grading/shoring/excavation phases of construction.

Grading & Utilities Phase Trip Generation – Building C

For construction of Building C, approximately 36,210 CY of material would be excavated and removed from the Project Site over an 83-day period. It is anticipated that a maximum of 120 trucks per workday, based on an anticipated haul truck capacity of 14 CY, would be required during this phase. Thus, up to 240 daily truck trips (120 inbound, 120 outbound) are forecasted to occur during the site grading & utilities phase, with approximately 18 trips per hour (nine inbound, nine outbound) uniformly over a typical 14-hour (7:00 AM – 9:00 PM), off-peak hauling period.

Assuming a PCE factor of 2.0, the 240 daily truck trips would be equivalent to 480 daily PCE trips. The 18 hourly truck trips would be equivalent to approximately 36 PCE trips per hour (18 inbound, 18 outbound).

In addition, a maximum of 30 daily construction workers is anticipated during the grading & utilities phase for Building C. The 30 construction workers would conservatively result in 60 one-way vehicle trips (30 inbound, 30 outbound), to and from the Project Site daily. It is anticipated that most workers would arrive on-site prior to the weekday morning commuter peak hour and leave prior to or after the afternoon commuter peak hour. Therefore, no peak hour construction traffic impacts are expected during the grading & utilities phase of construction.

PEAK WORKER ACTIVITY PHASES

During the building construction and foundation/structure phases, parking for construction workers would generally be provided on-site or in local public parking facilities. Restrictions against workers parking in the public ROW in the vicinity of (or adjacent to) the Project Site would be identified as part of the Construction Management Plan. Construction materials storage and truck staging would also generally be contained on-site.

The traffic impacts associated with construction workers depend on the number of construction workers employed during various phases of construction, as well as the travel mode and travel time of the workers. In general, the hours of construction typically require workers to be on-site before the weekday morning commuter peak period and allow them to leave before or after the

afternoon commuter peak period (i.e., arrive at the site prior to 7:00 AM and depart before 3:00 PM or after 6:00 PM). Therefore, most, if not all, construction worker trips would occur outside of the typical weekday commuter peak periods.

According to construction projections prepared for the Project, the peak worker activity phases for each building are the building construction phase of Building A (a maximum of 150 workers per day), the building construction phase of Building B (a maximum of 120 workers per day). and the foundation/structure phase of Building C (a maximum of 150 workers per day). Based on the preliminary construction schedule, the most conservative estimated number of daily vehicle trips associated with the construction workers – approximately 270 one-way trips (270 inbound and 270 outbound trips) – is during the brief overlap during the construction of Buildings A and B, but nearly all those trips would occur outside of the peak hours, as described above. As such, the peak worker activity phases of Project construction are not expected to cause a traffic impact at any of the study intersections.

POTENTIAL IMPACTS ON ACCESS, TRANSIT, AND PARKING

Project construction is not expected to create hazards for roadway travelers, bus riders, or parkers, so long as commonly practiced safety procedures for construction are followed. Such procedures and other measures (e.g., to address temporary traffic control, lane closures, sidewalk closures, etc.) have been incorporated into the Construction Management Plan. The construction-related impacts associated with access and transit are anticipated to be less than significant, and the implementation of the Construction Management Plan described below would further reduce those impacts.

Access

Construction activities are expected to be primarily contained within the Project Site boundaries. However, it is expected that construction fences may encroach into the public ROW (e.g., sidewalks and roadways) adjacent to the Project Site. The sidewalk and one lane on Alameda Street may be temporarily closed throughout the construction period. Temporary traffic controls

would be provided to direct traffic around any closures as required in the Construction Management Plan and emergency access would not be impeded.

The use of the public ROW would require temporary re-routing of pedestrian and bicycle traffic. The Construction Management Plan would include measures to ensure pedestrian and bicycle safety along the affected sidewalks, bicycle facilities, and temporary walkways (e.g., use of light-duty barriers and cones, use of directional signage, maintaining continuous and unobstructed pedestrian paths, and/or providing overhead covering).

Transit

Although no transit rerouting is anticipated, temporary transit stop relocation may occur as a result of the Project construction that would affect the public ROW. An existing bus stop serving the Metro Local 60 and 62 lines is located at the northeast corner of the Project Site, but temporary relocation is not anticipated. Any necessary adjustments to the bus stop would be coordinated with Metro.

Parking

Although staging of construction trucks would primarily be contained on the Project Site, the curbside may be utilized or temporarily closed for short durations during improvement work on curb, gutter, and other street improvements. No on-street parking is permitted adjacent to the Project Site and, therefore, there would be no temporary loss of any on-street parking spaces during the construction period.

CONSTRUCTION TRAFFIC MANAGEMENT PLAN

A detailed Construction Traffic Management Plan, including street closure information, a detour plan, haul routes, and a staging plan would be prepared and submitted to the City for review and approval prior to commencing construction and is part of the building permit approval. The Construction Traffic Management Plan would formalize how construction would be carried out and

identify specific actions that would be required to reduce effects on the surrounding community. The Construction Traffic Management Plan shall be based on the nature and timing of the specific construction activities and other projects in the vicinity of the Project Site, and shall include, but not be limited to, the following elements, as appropriate:

- Advance bilingual notification of adjacent property owners and occupants of upcoming construction activities, including durations and daily hours of operation.
- Prohibition of construction worker or equipment parking on adjacent streets or in predominantly residentially zoned areas.
- Temporary pedestrian, bicycle, and vehicular traffic controls during all construction activities along the Project frontage to ensure traffic safety on public ROWs. These controls shall include, but not be limited to, flag people trained in pedestrian and bicycle safety.
- Scheduling of construction activities to reduce the effect on traffic flow on surrounding arterial streets.
- Spacing of trucks to discourage a convoy effect.
- Containment of construction activity within the Project Site boundaries to the extent feasible.
- Coordination with LADOT Parking Meter Division to address any potential loss of metered parking spaces, if needed.
- Safety precautions for pedestrians and bicyclists through such measures as alternate routing and protection barriers shall be implemented as appropriate, including along all identified LAUSD pedestrian routes to nearby schools.
- Scheduling of construction-related deliveries, haul trips, etc., to occur outside the commuter peak hours, to not impede school drop-off and pick-up activities and students using LAUSD's identified pedestrian routes to nearby schools.
- Sufficient dampening of the construction area to control dust by grading and hauling and reasonable control at all times of dust caused by wind.
- Maintenance of a log, available on the job site always, documenting the dates of hauling and the number of trips (i.e., trucks) per day.
- Identification of a construction manager and provision of a telephone number for any inquiries or complaints from residents regarding construction activities. The telephone number shall be posted at the site readily visible to any interested party during site preparation, grading, and construction.
- Obtainment of the required permits for truck haul routes from the City prior to issuance of any building permit for the Project.

It is likely that construction traffic management plans would also be submitted for City approval by the Related Projects prior to the start of construction activities. As part of the LADOT and/or City Department of Building and Safety established review process of construction management plans, potential overlapping construction activities and proposed haul routes would be reviewed to minimize the effects of cumulative construction activities on any roadway.

Section 5E
Parking Assessment

This section provides an analysis of the proposed parking and the potential parking impacts of the Project.

VEHICLE PARKING CODE REQUIREMENTS

State of California Assembly Bill 2097 (Friedman, 2022) (AB 2097) mandates that development projects located within 0.5 miles of a major transit stop may not be required to provide any parking for residential or commercial uses. The Project site qualifies under AB 2097, as confirmed at the City's Zone Information and Map Access System and, therefore, no vehicle parking spaces are required.

The Project would provide approximately 1,000 vehicle parking spaces within the three buildings' subterranean parking levels. Buildings A,B, and C would each include two levels of subterranean parking.

BICYCLE PARKING CODE REQUIREMENTS

LAMC Section 12.21.A.16 details the bicycle parking requirements for new developments. Per LAMC Section 12.21.A.16.A(2)i, a minimum of two short-term and two long-term bicycle parking spaces shall be provided for all commercial, institutional, and industrial uses.

As shown in Table 14, the Project would require a total of 50 short-term and 479 long-term bicycle parking spaces. The Project's proposed 529 bicycle parking spaces meets the LAMC requirements for on-site bicycle parking supply.

TABLE 14
BICYCLE CODE PARKING REQUIREMENTS

Land Use	Size	Short-Term Bicycle Parking Rate [a]	Short-Term Bicycle Parking Requirement [b]	Long-Term Bicycle Parking Rate [a]	Long-Term Bicycle Parking Requirement [b]
South Building A					
Residential					
1-25 units	25 du	1.0 sp / 10 du	2 sp	1.0 sp / 1 du	25 sp
26-100 units	75 du	1.0 sp / 15 du	5 sp	1.0 sp / 2 du	50 sp
101-200 units	100 du	1.0 sp / 20 du	5 sp	1.0 sp / 2 du	50 sp
201-410 units	210 du	1.0 sp / 40 du	5 sp	1.0 sp / 4 du	52 sp
Restaurant [c]	1,119 sf	1.0 sp / 2,000 sf	2 sp	1.0 sp / 2,000 sf	2 sp
South Building B					
Residential					
1-25 units	25 du	1.0 sp / 10 du	2 sp	1.0 sp / 1 du	25 sp
26-100 units	75 du	1.0 sp / 15 du	5 sp	1.0 sp / 2 du	50 sp
101-200 units	100 du	1.0 sp / 20 du	5 sp	1.0 sp / 2 du	50 sp
201-214 units	14 du	1.0 sp / 40 du	0 sp	1.0 sp / 4 du	3 sp
North Building C					
Residential					
1-25 units	25 du	1.0 sp / 10 du	2 sp	1.0 sp / 1 du	25 sp
26-100 units	75 du	1.0 sp / 15 du	5 sp	1.0 sp / 2 du	50 sp
101-200 units	100 du	1.0 sp / 20 du	5 sp	1.0 sp / 2 du	50 sp
201-376 units	176 du	1.0 sp / 40 du	4 sp	1.0 sp / 4 du	44 sp
Restaurant [c]	5,428 sf	1.0 sp / 2,000 sf	3 sp	1.0 sp / 2,000 sf	3 sp
		Short-Term Bicycle Parking Requirement	**50 sp**	**Long-Term Bicycle Parking Requirement**	**479 sp**
				Total Code Bicycle Parking Requirement	**529 sp**
				Total Code Bicycle Parking Provided	**529 sp**

Notes:
[a] Bicycle requirements as calculated by LAMC Section 12.21.A.16.
[b] Per LAMC Section 12.21.A.16.B, any fraction up to and including one-half may be disregarded, and any fraction over one-half shall be construed as requiring one bicycle parking space.
[c] Per LAMC Section 12.21.A.16.A(2)i, a minimum of two short-term and two long-term bicycle parking spaces shall be provided for all commercial, institutional, and industrial uses.

Chapter 6

Summary and Conclusions

This study was undertaken to analyze the potential transportation impacts of the Project on the transportation system. The following summarizes the results of this analysis:

- The Project is located at 747 and 767 S. Alameda Street.
- The Project proposes the redevelopment of two existing surface parking lots into a mixed-use development consisting of three eight-story buildings to be located on the north and south sides of Center Street, on the eastern edge of the Project Site. A total of 1,000 residential units are included, with 11% designated as affordable, along with a total of 6,547 sf of ground floor commercial space. The Project is anticipated to be completed in Year 2032.
- Vehicular access would be provided via driveways along Warehouse Street and internal to the Project Site off Bay Street. Pedestrian and bicycle access would be provided separate from the vehicular access via residential lobbies and commercial entrances located along the Project frontages on Alameda Street and Center Street.
- The Project is estimated to generate 372 new morning peak hour trips and 367 new afternoon peak hour trips.
- The Project would not conflict with the City's plans, programs, ordinances, and polices and would not result in any significant geometric design hazard impacts. The Project would not cause a significant safety impact at any freeway off-ramp locations.
- The Project would include LAMC-required bicycle parking.
- The Project VMT impacts would be less than significant and, therefore, no mitigation measures would be required.
- The Project provides adequate internal circulation to accommodate vehicular, pedestrian, and bicycle traffic without impeding traffic movements on City streets.
- The addition of Project trips would not adversely affect any residential Local Streets.
- Construction traffic would be generated outside of the commuter morning and afternoon peak hours to the extent feasible and would not result in substantial operational constraints to the adjacent roadway system. A Construction Traffic Management Plan would be prepared to minimize temporary operational effects of construction activities.

References

2010 Bicycle Plan, A Component of the City of Los Angeles Transportation Element, Los Angeles Department of City Planning, adopted March 1, 2011.

California Code of Regulations, Title 14, Section 15000 and following.

City of Los Angeles VMT Calculator Documentation, Los Angeles Department of Transportation and Los Angeles Department of City Planning, May 2020.

City of Los Angeles VMT Calculator Version 1.5, Los Angeles Department of Transportation and Los Angeles Department of City Planning, October 2024.

Citywide Design Guidelines, Los Angeles City Planning Urban Design Studio, October 2019.

Connect SoCal – A Plan for Navigating to a Brighter Future, Southern California Association of Governments, Adopted April 2024.

Downtown Community Plan, Los Angeles Department of City Planning, adopted May 2023, effective January 2025.

Highway Capacity Manual, 6th Edition, Transportation Research Board, 2016.

Los Angeles Municipal Code, City of Los Angeles.

Manual of Policies and Procedures, Los Angeles Department of Transportation, Updated 2020.

Mobility Plan 2035, An Element of the General Plan, Los Angeles Department of City Planning, September 2016.

Plan for a Healthy Los Angeles: A Health and Wellness Element of the General Plan, Los Angeles Department of City Planning, March 2015.

Quantifying Greenhouse Gas Mitigation Measures, California Air Pollution Control Officers Association, 2010.

State of California Assembly Bill 2097 (Friedman, 2022)

State of California Senate Bill 743, Steinberg, 2013.

Technical Advisory on Evaluating Transportation Impacts in CEQA, Governor's Office of Planning and Research, December 2018.

Transportation Assessment Guidelines, Los Angeles Department of Transportation, August 2022.

References, cont.

Transportation Research Circular No. 212, Interim Materials on Highway Capacity, Transportation Research Board, 1980

Trip Generation, 11th Edition, Institute of Transportation Engineers, 2021.

Vision Zero: Eliminating Traffic Deaths in Los Angeles by 2025, City of Los Angeles, August 2015.

Appendix A

Memorandum of Understanding

LADOT

Attachment C

Transportation Assessment Memorandum of Understanding (MOU)

This MOU acknowledges that the Transportation Assessment for the following Project will be prepared in accordance with the latest version of LADOT's Transportation Assessment Guidelines:

I. PROJECT INFORMATION

Project Name: Alameda Square

Project Address: 747 and 767 S. Alameda St. Los Angles, CA 90021

Project Description: The Project proposes the development of a North Building consisting of 367 apartment units (59 affordable units) and 4,806 square feet (sf) commercial uses and a South Building consisting of 633 apartment units (101 affordable units) and 1,325 sf commercial uses.

LADOT Project Case Number: _____ Project Site Plan attached? *(Required)* ☑ Yes ☐ No

II. TRANSPORTATION DEMAND MANAGEMENT (TDM) MEASURES

Select any of the following TDM measures, which may be eligible as a Project Design Feature[1], that are being considered for this project:

	Reduced Parking Supply[2]	✓	Bicycle Parking and Amenities		Parking Cash Out

List any other TDM measures (e.g. bike share kiosks, unbundled parking, microtransit service, etc) below that are also being considered and would require LADOT staff's determination of its eligibility as a TDM measure. LADOT staff will make the final determination of the TDM measure's eligibility for this project.

1 _____ 4 _____

2 _____ 5 _____

3 _____ 6 _____

III. TRIP GENERATION

Trip Generation Rate(s) Source: ITE 10th Edition / Other ITE 11th Edition / LADOT TAG

Trip Generation Adjustment *(Exact amount of credit subject to approval by LADOT)*	**Yes**	**No**
Transit Usage	☑	☐
Existing Active or Previous Land Use	☐	☑
Internal Trip	☑	☐
Pass-By Trip	☑	☐
Transportation Demand Management (See above)	☑	☐

Trip generation table including a description of the existing and proposed land uses, rates, estimated morning and afternoon peak hour volumes (ins/outs/totals), proposed trip credits, etc. attached? *(Required)* ☑ Yes ☐ No

	IN	OUT	TOTAL
AM Trips	108	269	377
PM Trips	221	145	366

NET Daily Vehicle Trips (DVT)

_____ DVT (ITE __ ed.)

4,432 DVT (VMT Calculator ver. 1.4)

[1] At this time Project Design Features are only those measures that are also shown to be needed to comply with a local ordinance, affordable housing incentive program, or State law.

[2] Select if reduced parking supply is pursued as a result of a parking incentive as permitted by the City's Bicycle Parking Ordinance, State Density Bonus Law, or the City's Transit Oriented Community Guidelines.

IV. STUDY AREA AND ASSUMPTIONS

Project Buildout Year: 2032 Ambient Growth Rate: 1.0 % Per Yr.

Related Projects List, researched by the consultant and approved by LADOT, attached? *(Required)* ☑ Yes ☐ No

STUDY INTERSECTIONS and/or STREET SEGMENTS:
(May be subject to LADOT revision after access, safety, and circulation evaluation.)

1 See Table 1 3 _____

2 _____ 4 _____

5 _____ 6 _____

Provide a separate list if more than six study intersections and/or street segments.

Is this Project located on a street within the High Injury Network? ☑ Yes ☐ No

If a study intersection is located within a ¼-mile of an adjacent municipality's jurisdiction, signature approval from said municipality is required prior to MOU approval.

V. ACCESS ASSESSMENT

a. Does the project exceed 1,000 net DVT? ☑ Yes ☐ No
b. Is the project's frontage 250 linear feet or more along an Avenue or Boulevard as classified by the City's General Plan? ☑ Yes ☐ No
c. Is the project's building frontage encompassing an entire block along an Avenue or Boulevard as classified by the City's General Plan? ☑ Yes ☐ No

VI. ACCESS ASSESSMENT CRITERIA

If Yes to any of the above questions a., b., or c., the Transportation Assessment must assess the project's potential effect on pedestrian, bicycle, and transit facilities in the vicinity of the proposed project. Complete **Attachment C.1: Access Assessment Criteria** and attach to the draft Transportation Assessment to support the analysis. For the full scope of analysis, see Section 3.2 of the Transportation Assessment Guidelines.

VII. SITE PLAN AND MAP OF STUDY AREA

Please note that the site plan should be submitted to the Department of City Planning for cursory review.

Does the attached site plan and/or map of study area show	Yes	No	Not Applicable
Each study intersection and/or street segment	☑	☐	☐
*Project Vehicle Peak Hour trips at each study intersection	☑	☐	☐
*Project Vehicle Peak Hour trips at each project access point	☑	☐	☐
*Project trip distribution percentages at each study intersection	☑	☐	☐
Project driveways designed per LADOT MPP 321 (show widths and directions or lane assignment)	☑	☐	☐
Pedestrian access points and any pedestrian paths	☑	☐	☐
Pedestrian loading zones	☑	☐	☐
Delivery loading zone or area	☑	☐	☐
Bicycle parking onsite	☑	☐	☐
Bicycle parking offsite (in public right-of-way)	☐	☐	☑

*For mixed-use projects, also show the project trips and project trip distribution by land use category.

VIII. FREEWAY SAFETY ANALYSIS SCREENING

Will the project add 25 or more trips to any freeway off-ramp in either the AM or PM peak hour? ☐ YES ☑ NO
Provide a brief explanation or graphic identifying the number of project trips expected to be added to the nearby freeway off-ramps serving the project site. If Yes to the question above, a freeway ramp analysis is required.

IX. CONTACT INFORMATION

	CONSULTANT	DEVELOPER
Name:	Gibson Transportation Consulting, Inc.	Alameda Square Owner LLC
Address:	555 W 5th St., Suite 3375, Los Angeles, CA 90013	1318 East 7th Street, #200, Los Angeles, CA 90021
Phone Number:	(213) 683-0088	(213) 988-8890
E-Mail:	lmullarkey-williams@gibsontrans.com	ejenkins@ATLAS-CAP.COM

Approved by:	x	Consultant's Representative		11/27/23 Date	x	LADOT Representative		12/06/2023 **Date
Adjacent Municipality:				Approved by: (if applicable)		Representative		Date

**MOUs are generally valid for two years after signing. If after two years a transportation assessment has not been submitted to LADOT, the developer's representative shall check with the appropriate LADOT office to determine if the terms of this MOU are still valid or if a new MOU is needed.

Attachment C.1: Access Assessment Worksheet

LADOT

Access Assessment Worksheet

This Worksheet supports the analysis needed to assess the project's potential effect on pedestrian, bicycle, and transit facilities in the vicinity of the proposed project. If the project exceeds the screening criteria in Section V of the MOU, complete and attach to the draft Transportation Assessment to support the analysis. For the full scope of analysis, see Section 3.2 of the Transportation Assessment Guidelines.:

I. PROJECT INFORMATION

Project Name: Alameda Square

Project Address: 747 and 767 S. Alameda St. Los Angles, CA 90021

Project Description: The Project proposes the development of a North Building consisting of 367 apartment units (59 affordable units) and 4,806 square feet (sf) commercial uses and a South Building consisting of 633 apartment units (101 affordable units) and 1,325 sf commercial uses.

LADOT Project Case Number: _____

II. PEDESTRIAN/ PERSON TRIP GENERATION

Source of Pedestrian/Person Trip Generation Rate(s)? □ ITE 10th Edition □ Other:

	Land Use	Size/Unit	Daily Person Trips
Proposed	To be provided.		
	Total new trips:		

Pedestrian/Person trip generation table including a description of the proposed land uses, trip credits, person trip assumptions, comparison studies used for reference, etc. attached? □ Yes □ No

III. PEDESTRIAN ATTRACTORS INVENTORY

Attach Pedestrian Map for the area (1,320 foot radius from edge of the project site) depicting:

- site pedestrian entrance(s)
- Existing or proposed passenger loading zones
- pedestrian generation/distribution values
  - Geographic Distribution: N 25 % S 25 % E 25 % W 25 %
- transit boarding and alighting of transit stops (should include Metro rail stations; Metro, DASH, and other municipal bus stops)

- Key pedestrian destinations with hours of operation:
  - schools (school times)
  - government offices with a public counter or meeting room
  - senior citizen centers
  - recreation centers or playgrounds
  - public libraries
  - medical centers or clinics
  - child care facilities
  - post offices
  - places of worship
  - grocery stores
  - other facilities that attract pedestrian trips
- pedestrian walking routes to key destinations from project site

Note: Pedestrian Count Summary, Bicycle Count Summary, Manual Traffic Count Summary will need to be attached to the Transportation Assessment

IV. FACILITIES INVENTORY

Is a High Injury Network street located within 1,320 foot radius from the edge of the project site? ☑ Yes ☐ No

If yes, list streets and include distance from the project:

7th St	at 0 (feet)
Central Ave	at 700 (feet)
6th St	at 1,130 (feet)
	at _____ (feet)

Attach Radius Map for the area (1,320 foot radius from edge of the project site) depicting the following existing and proposed facilities:

- transit stops
- bike facilities
- traffic control devices for controlled crossings
- uncontrolled crosswalks
- location of any missing, damaged or substandard sidewalks

For a reference of planned facilities, see the Transportation Assessment Support Map

Crossing Distances

LADOT City of Los Angeles Transportation Assessment MOU

Does the project property have frontage along an arterial street (designated as either an Avenue or Boulevard?)

☑ Yes ☐ No

If yes, provide the distance between the crossing control devices (e.g. signalized crosswalk, or controlled mid-block crossing) along any arterial within 1,320 feet of the property.

_____(feet) at See Table #5 _____(feet) at _____

_____(feet) at _____ _____(feet) at _____

_____(feet) at _____ _____(feet) at _____

_____(feet) at _____ _____(feet) at _____

_____(feet) at _____ _____(feet) at _____

_____(feet) at _____ _____(feet) at _____

For each street along the property frontage, provide:

the roadway configuration: See Table 6

- **2-Lane**
- **3-Lane w/ striped median**
- **3-Lane w/ raised median**
- **4-Lane**
- **5-Lane w/ striped median**
- **5-Lane w/ raised median**
- **6-Lane**
- **Other:_____**

and crossing distance: _____ ft total _____ ft to median _____ ft to median

V. Project Construction

Will the project require any construction activity within the city right-of-way? ☑ Yes ☐ No

If yes, will the project require temporary closure of any of the following city facilities?

- sidewalk
- bike lane
- parking lane
- travel lane
- bus stop
- bicycle parking (racks or corrals)
- bike share or other micro-mobility station
- car share station
- parklet
- ✓ other: Bay Street, Private Alley



Source: KFA Architecture, November, 2023.

PROJECT SITE PLAN

FIGURE 1



PROJECT SITE LOCATION

FIGURE 2

TABLE 1
STUDY INTERSECTIONS

No.	North/South Street	East/West Street
1.	Central Avenue	7th Street
2. [a]	Warehouse Street	7th Street
3.	Alameda Street	7th Street
4.	Alameda Street	Center Street
5.	Alameda Street	Bay Street
6.	Alameda Street	Olympic Boulevard

Notes:
[a] Unsignalized intersection



STUDY AREA AND ANALYZED INTERSECTIONS

FIGURE 3

TABLE 2
PROJECT VEHICLE TRIP GENERATION ESTIMATES

Land Use	ITE Land Use	Size	Morning Peak Hour			Afternoon Peak Hour		
			In	Out	Total	In	Out	Total
Affordable Housing Family	[b]	per du	37%	63%	0.49	56%	44%	0.35
Multifamily Housing (Mid-Rise)	221	per du	23%	77%	0.37	61%	39%	0.39
High-Turnover (Sit-Down) Restaurant	932	per ksf	55%	45%	9.57	61%	39%	9.05
Proposed Project								
North Building - Affordable	[b]	59 du	11	18	29	12	9	21
North Building - Residential	221	308 du	26	88	114	73	47	120
Transit/Walk-In Reduction - 15% [c]			*(4)*	*(13)*	*(17)*	*(11)*	*(7)*	*(18)*
North Building - Restaurant [d]	932	4.806 ksf	25	21	46	26	17	43
Internal Capture Reduction - 10% [e]			*(3)*	*(2)*	*(5)*	*(3)*	*(2)*	*(5)*
Transit/Walk-In Reduction - 15% [c]			*(3)*	*(3)*	*(6)*	*(3)*	*(2)*	*(5)*
Pass-By Trip Reduction - 20% [f]			*(4)*	*(3)*	*(7)*	*(4)*	*(3)*	*(7)*
TOTAL NORTH BUILDING TRIPS			**48**	**106**	**154**	**90**	**59**	**149**
South Building - Affordable	[b]	101 du	18	31	49	20	15	35
South Building - Residential	221	532 du	45	152	197	126	81	207
Transit/Walk-In Reduction - 15% [c]			*(7)*	*(23)*	*(30)*	*(19)*	*(12)*	*(31)*
South Building - Restaurant [d]	932	1.325 ksf	7	6	13	7	5	12
Internal Capture Reduction - 10% [e]			*(1)*	*(1)*	*(2)*	*(1)*	*(1)*	*(2)*
Transit/Walk-In Reduction - 15% [c]			*(1)*	*(1)*	*(2)*	*(1)*	*(1)*	*(2)*
Pass-By Trip Reduction - 20% [f]			*(1)*	*(1)*	*(2)*	*(1)*	*(1)*	*(2)*
TOTAL SOUTH BUILDING TRIPS			**60**	**163**	**223**	**131**	**86**	**217**
TOTAL PROPOSED PROJECT TRIPS			**108**	**269**	**377**	**221**	**145**	**366**

Notes

du dwelling unit ksf: 1,000 square feet

[a] Source: *Trip Generation, 11th Edition*, Institute of Transportation Engineers, 2021.

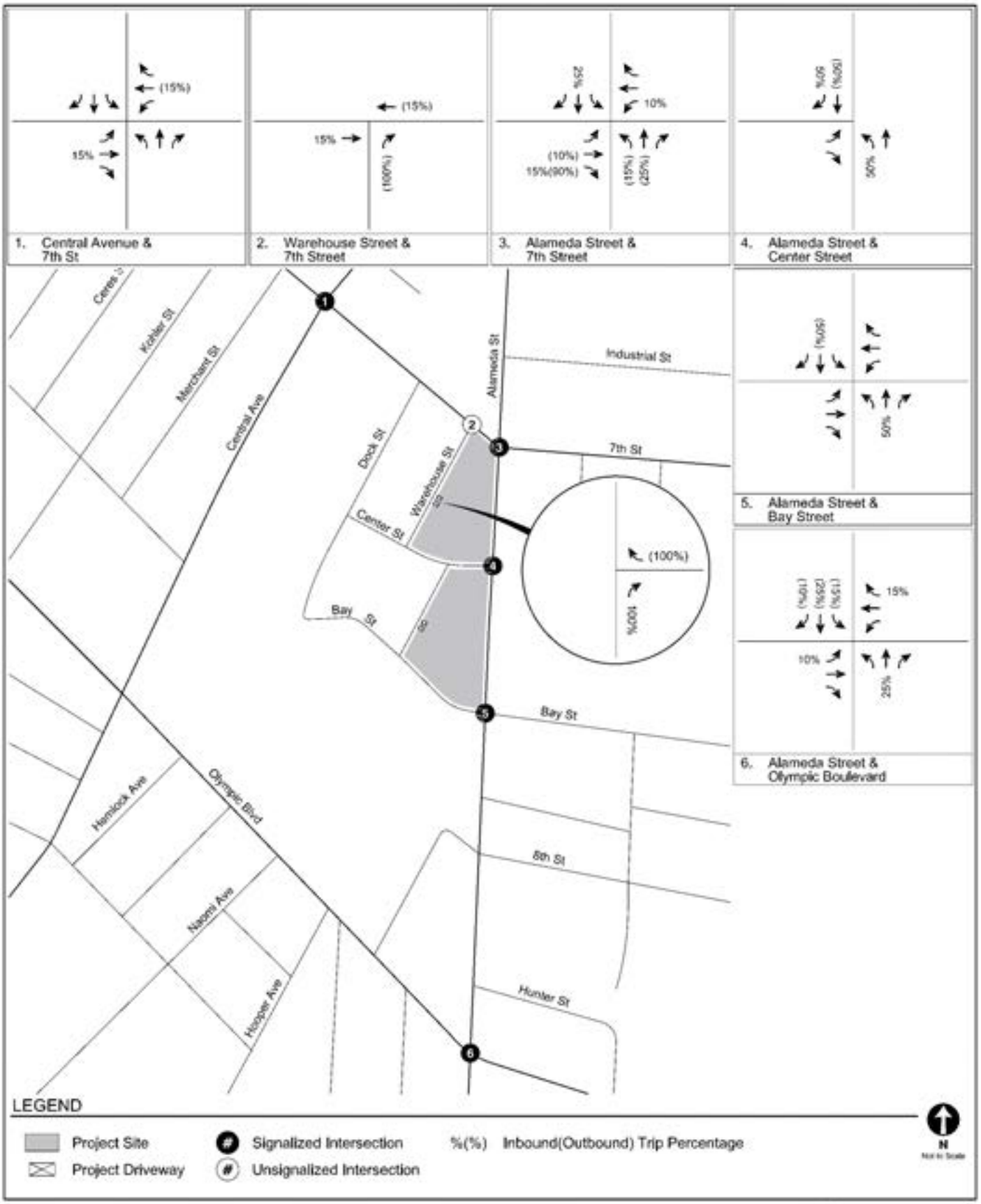
[b] Per LADOT's Transportation Assessment Guidelines, residential or mixed-use developments inside a Transit Priority Area (TPA) which include Affordable Housing Senior Units are eligible to use a City specific trip generation rate based on vehicle trip count data collected at affordable housing sites in the City of Los Angeles in 2016.

[c] The Project site is located adjacent to a bus stop that serves Metro Next Gen Tier 1 Service Line 60 at Alameda Street & 7th Street. Therefore, a 15% transit reduction was applied to account for transit usage and walking visitor arrivals.

[d] Commercial area analyzed as High-Turnover (Sit-Down) Restaurant to provide the most conservative analysis.

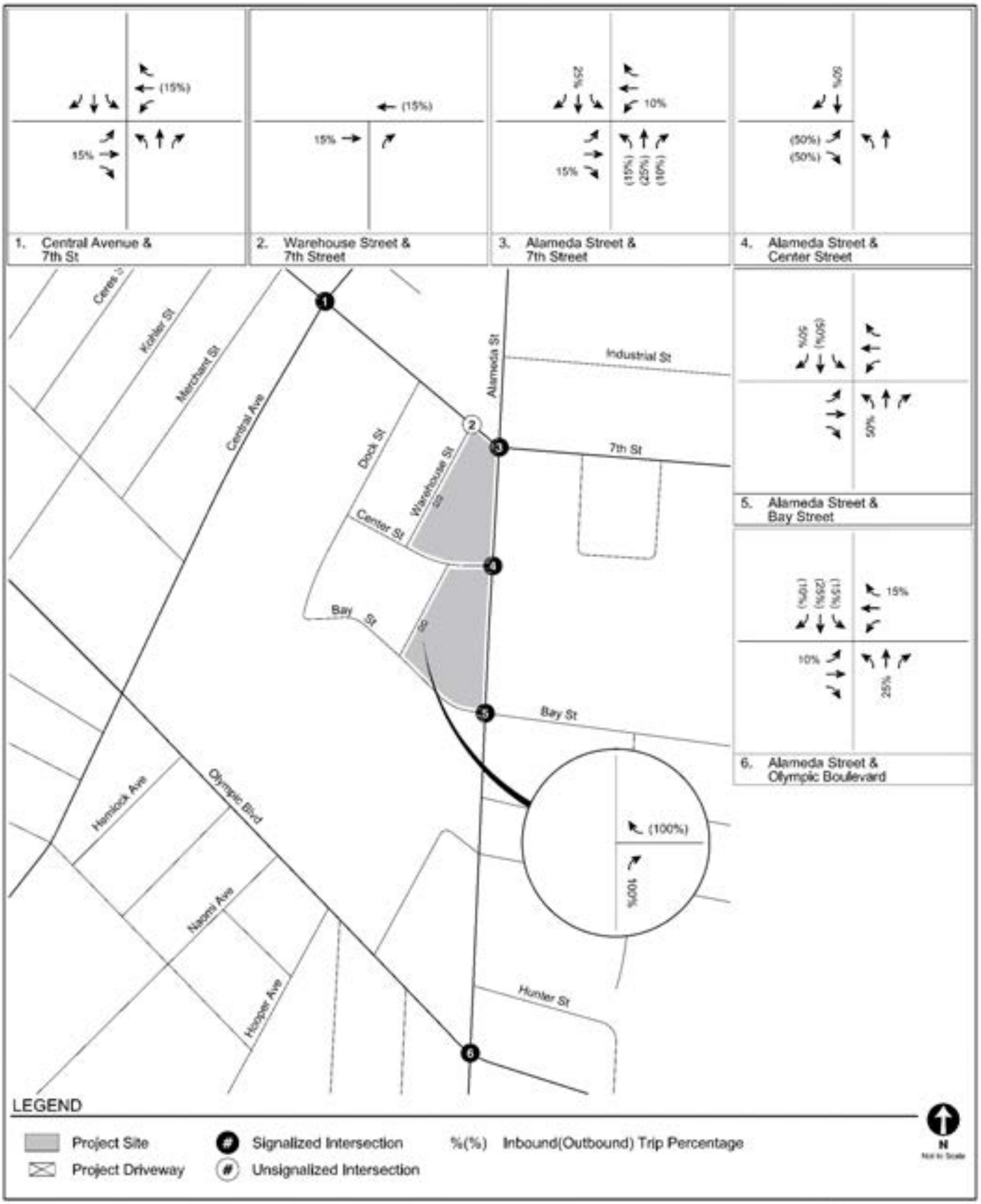
[e] Internal capture reductions account for person trips made between distinct land uses within a mixed-use development (i.e., between residential and restaurant).

[f] Pass-by reductions account for Project trips made as an intermediate stop on the way from an origin to a primary trip destination without route diversion.



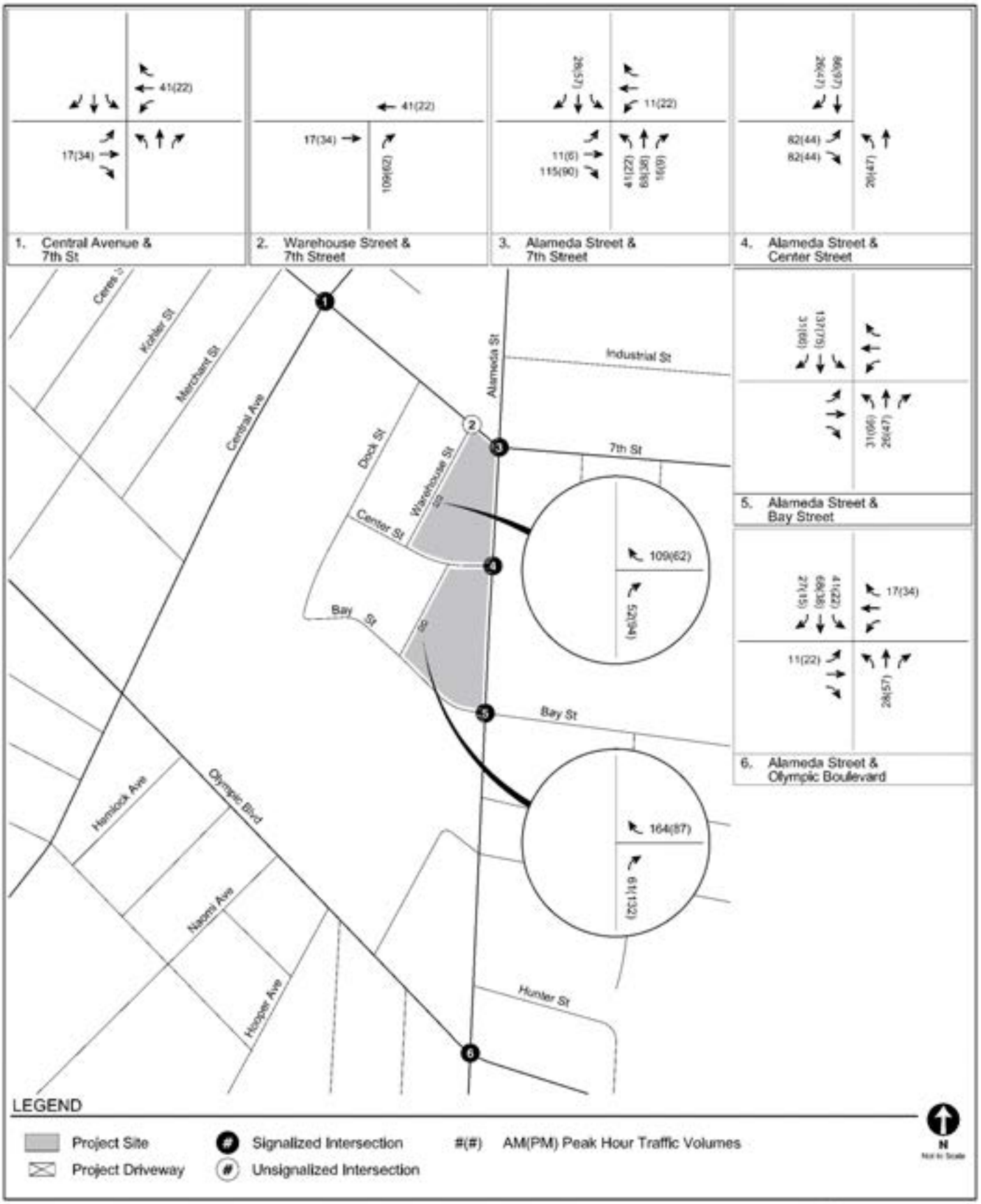
PROJECT TRIP DISTRIBUTION
NORTH BUILDING

FIGURE
4A



PROJECT TRIP DISTRIBUTION
SOUTH BUILDING

FIGURE
4B



TOTAL PROJECT-ONLY
PEAK HOUR TRAFFIC VOLUMES

FIGURE
5

TABLE 3
RELATED PROJECTS LIST

No.	Project	Address	Use	Trip Generation [a]						
				Daily	Morning Peak Hour			Afternoon Peak Hour		
					In	Out	Total	In	Out	Total
1.	Camden Arts Mixed-Use	1525 E Industrial St	338,304 sf mixed-use, 344 live/work units, 7,458 sf of leasing/amenity area, 24,774 sf of creative office uses, 4,042 sf of restaurant space	1,729	37	59	96	69	44	113
2.	668 S Alameda St Mixed-Use	668 S Alameda St	475 live/work units, 27,063 sf retail and studio space, 16,280 sf restaurant, and 700 sf gallery space	4,004	120	184	304	215	153	368
3.	6th & Alameda	1206 E 6th St	672,615 sf studio campus	3,406	217	69	286	110	261	371
4.	Mixed Use (Revised)	1800 E 7th St	122 residential units, 9,500 sf commercial uses, and 5,865 sf of amenity space	816	26	45	71	45	37	82
5.	Mixed-Use	1340 E 6th St	170 apartment units, 16,518 sf retail	530	(91)	16	(75)	10	(67)	(57)
6.	656 S Stanford Ave	656 S Stanford Ave	82 apartment units	545	8	33	41	33	18	51
7.	Studio	2000 E 8th St	249,790 sf studio with production support and office	3,511	216	100	316	147	255	402
8.	Palmetto	527 S Colyton St	310 apartment units, 11,375 sf commercial, and 11,736 sf production space	2,095	36	116	152	121	74	195
9.	676 Mateo Mixed-Use	676 S Mateo St	172 live/work units and 23,025 sf commercial space	1,991	64	81	145	100	68	168
10.	1100 5th Mixed-Use	1100 E 5th St	218 live/work units with 11% set aside for very low income and 21,975 sf open space and recreational amenities such as a resident gallery	2,556	78	107	185	130	80	210
11.	1000 S Mateo Street	1000 S Mateo St	104 live/work units, 121,556 sf commercial space, 12,700 sf productive space	2,238	153	83	236	90	131	221
12.	Mixed-Use	695 S Santa Fe Ave	320 apartment units, 20,000 sf commercial	2,310	17	127	144	145	64	209
13.	Violet St Creative Office Campus Project	2045 E Violet St	450,599 sf creative office and retail	5,055	409	81	490	173	501	674
14.	Rendon Hotel	2053 E 7th St	115 hotel rooms	588	25	20	45	30	28	58
15.	1811 Sacramento Project	1811 Sacramento St	277,700 sf office, 8,000 sf restaurant, and 5,200 sf retail	3,003	379	71	450	100	336	436

Notes:

[a] Related project information provided by the Los Angeles Department of Transportation in November 2023, Department of City Planning, and recent traffic studies prepared in the area. This list includes known development projects within one-half mile (2,460 feet) radius of the Project Site and within one-quarter mile (1,230 feet) radius of the furthest outlying study intersection.

TABLE 3 CONT.
RELATED PROJECTS LIST

No.	Project	Address	Use	Trip Generation [a]						
				Daily	Morning Peak Hour			Afternoon Peak Hour		
					In	Out	Total	In	Out	Total
16.	Mixed-Use	826 S Mateo St	90 live/work units, 11,000 sf retail, and 5,800 sf restaurant	1,267	11	34	45	62	39	101
17.	Mixed-Use	930 E 6th St	236 apartment units and 12,000 sf retail	1,074	17	79	96	70	32	102
18.	SPR - Industrial Park	1005 S Mateo St	84,849 sf industrial park	426	40	9	49	10	39	49
19.	Arts District Center (Mixed-Use)	1129 E 6th St	129 apartment units, 113 hotel rooms, 32,000 sf retail, 27,000 sf restaurant, and 2,400 sf artspace	4,713	133	140	273	157	72	229
20.	Mixed-Use	641 S Imperial St	14,749 sf retail	1,245	44	61	105	66	60	126
21.	1024 Mateo St MU	1024 S Mateo St	97 apartment units, 9 affordable units, 95,000 sf office, 14,000 sf retail, and 13,100 sf restaurant	1,862	102	64	166	73	101	174
22.	Commercial	1147 E Palmetto St	26,700 sf commercial	-	33	78	111	175	112	287

Notes:

[a] Related project information provided by the Los Angeles Department of Transportation in November 2023, Department of City Planning, and recent traffic studies prepared in the area. This list includes known development projects within one-half mile (2,460 foot) radius of the Project Site and within one-quarter mile (1,230 foot) radius of the furthest outlying study intersection.



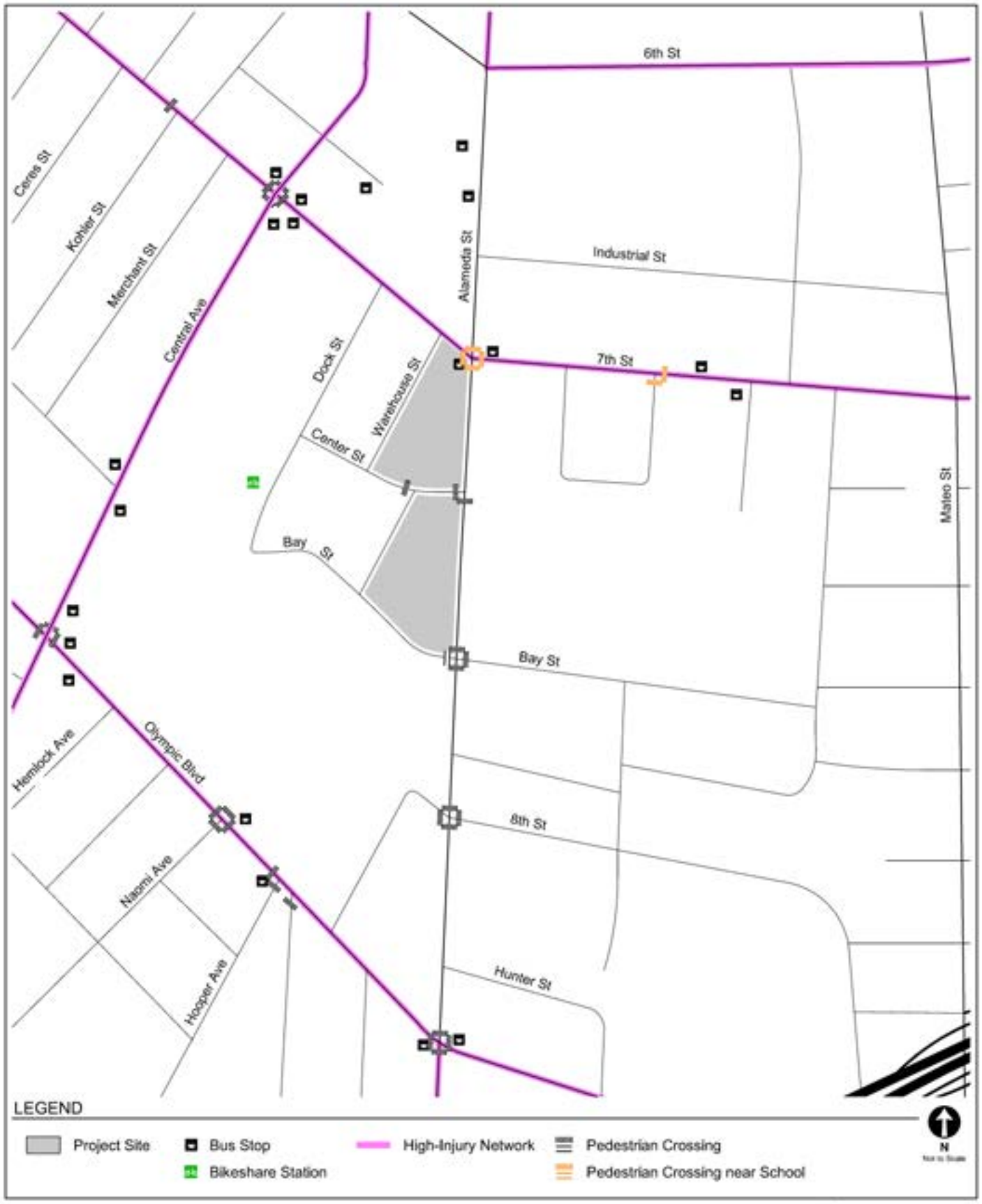
LOCATIONS OF RELATED PROJECTS

FIGURE 6



PEDESTRIAN ATTRACTORS INVENTORY

FIGURE 7



EXISTING TRANSPORTATION FACILITIES

FIGURE 8

TABLE 4
FREEWAY OFF-RAMP SCREENING PROCESS

Freeway Off-Ramp	Peak Hour	Project Traffic	Meets Screening Criteria? [a]
I-10 Eastbound			
Off-ramp to	AM	5	NO
Alameda Street [a]	PM	11	NO
I-10 Westbound			
Off-ramp to	AM	5	NO
14th Street [b]	PM	11	NO
US-101 Southbound			
Off-ramp to	AM	3	NO
7th Street [c]	PM	11	NO
US-101 Northbound			
Off-ramp to	AM	5	NO
7th Street [d]	PM	11	NO

Notes:

[a] Based on *Transportation Assessment Guidelines* (LADOT, August 2022), a transportation assessment for a development project must include analysis of any freeway off-ramp where a project adds 25 or more peak hour trips.

[b] 5% of incoming trips were assumed to travel eastbound on I-10 to the Project Site via off-ramps to Alameda Street.

[c] 5% of incoming trips were assumed to travel westbound on I-10 to the Project Site via off-ramps to 14th Street.

[d] 5% of incoming trips were assumed to travel southbound on US-101 to the Project Site via off-ramps to 7th Street.

[e] 5% of incoming trips were assumed to travel northbound on US-101 to the Project Site via off-ramps to 7th Street.

TABLE 5
FACILITIES INVENTORY - CROSSING DISTANCES

Street Segment	Distance (ft)
Alameda St from 6th St to 7th St	1,050
Alameda St from 7th St to Bay St	1,090
Alameda St from Bay St to 8th St	500
7th St from Central Ave to Alameda St	880
7th St from Alameda St to Decatur St	1,055
6th St from Central Ave to Alameda St	430
6th St from Alameda St to Mateo St	1,640
Central Ave from 6th St to 7th St	810
Central Ave from 7th St to 8th St	1,235

TABLE 6
ROADWAY CONFIGURATION AND CROSSING DISTANCES ALONG PROJECT FRONTAGES

Street	Roadway Configuration	Crossing Distance		
		Total Distance (ft)	Distance to Median (ft)	Distance to Median (ft)
Alameda Street	4-Lane with Striped Median	70	35	35
7th Street	4-Lane with Striped Median	60	30	30

CITY OF LOS ANGELES VMT CALCULATOR Version 1.4

Project Screening Criteria: Is this project required to conduct a vehicle miles traveled analysis?

Project Information

Project: Alameda Square

Scenario:

Address: 747 S ALAMEDA ST, 90021



Is the project replacing an existing number of residential units with a smaller number of residential units AND is located within one-half mile of a fixed-rail or fixed-guideway transit

○ Yes ○ No

Existing Land Use

Land Use Type	Value	Unit
Housing | Single Family		DU

☐ Click here to add a single custom land use type (will be included in the above list)

Proposed Project Land Use

Land Use Type	Value	Unit
Housing | Multi-Family	840	DU
Retail | General Retail	6.131	ksf
Housing | Affordable Housing - Family	160	DU
Housing | Multi-Family	840	DU

☐ Click here to add a single custom land use type (will be included in the above list)

Project Screening Summary

Existing Land Use	Proposed
0 Daily Vehicle Trips	4,432 Daily Vehicle Trips
0 Daily VMT	28,834 Daily VMT

Tier 1 Screening Criteria

Project will have less residential units compared to existing residential units & is within one-half mile of a fixed-rail station. ☐

Tier 2 Screening Criteria

The net increase in daily trips < 250 trips	4,432 Net Daily Trips
The net increase in daily VMT ≤ 0	28,834 Net Daily VMT
The proposed project consists of only retail land uses ≤ 50,000 square feet total.	6.131 ksf

The proposed project is required to perform VMT analysis.

Measuring the Miles

11/7/2023

VMT Calculator User Agreement

The Los Angeles Department of Transportation (LADOT), in partnership with the Department of City Planning and Fehr & Peers, has developed the City of Los Angeles Vehicle Miles Traveled (VMT) Calculator to estimate project-specific daily household VMT per capita and daily work VMT per employee for land use development projects. This application, the VMT Calculator, has been provided to You, the User, to assess vehicle miles traveled (VMT) outcomes of land use projects within the City of Los Angeles. The term "City" as used below shall refer to the City of Los Angeles. The terms "City" and "Fehr & Peers" as used below shall include their respective affiliates, subconsultants, employees, and representatives.

The City is pleased to be able to provide this information to the public. The City believes that the public is most effectively served when they are provided access to the technical tools that inform the public review process of private and public land use investments. However, in using the VMT Calculator, You agree to be bound by this VMT Calculator User Agreement (this Agreement).

VMT Calculator Application for the City of Los Angeles. The City's consultant calibrated the VMT Calculator's parameters in 2018 to estimate travel patterns of locations in the City, and validated those outcomes against empirical data. However, this calibration process is limited to locations within the City, and practitioners applying the VMT Calculator outside of the City boundaries should not apply these estimates without further calibration and validation of travel patterns to verify the VMT Calculator's accuracy in estimating VMT in such other locations.

Limited License to Use. This Agreement gives You a limited, non-transferrable, non-assignable, and non-exclusive license to use and execute a copy of the VMT Calculator on a computer system owned, leased or otherwise controlled by You in Your own facilities, as set out below, provided You do not use the VMT Calculator in an unauthorized manner, and that You do not republish, copy, distribute, reverse-engineer, modify, decompile, disassemble, transfer, or sell any part of the VMT Calculator, and provided that You know and follow the terms of this Agreement. Your failure to follow the terms of this Agreement shall automatically terminate this license and Your right to use the VMT Calculator.

Ownership. You understand and acknowledge that the City owns the VMT Calculator, and shall continue to own it through Your use of it, and that no transfer of ownership of any kind is intended in allowing You to use the VMT Calculator.

Warranty Disclaimer. In spite of the efforts of the City and Fehr & Peers, some information on the VMT Calculator may not be accurate. The VMT Calculator, OUTPUTS AND ASSOCIATED DATA ARE PROVIDED "as is" WITHOUT WARRANTY OF ANY KIND, whether expressed, implied, statutory, or otherwise including but not limited to, the implied warranties of merchantability and fitness for a particular purpose.

Limitation of Liability. It is understood that the VMT Calculator is provided without charge. Neither the City nor Fehr & Peers can be responsible or liable for any information derived from its use, or for any delays, inaccuracies, incompleteness, errors or omissions arising out of your use of the VMT Calculator or with respect to the material contained in the VMT Calculator. You understand and agree that Your sole remedy against the City or Fehr & Peers for loss or damage caused by any defect or failure of the

VMT Calculator, regardless of the form of action, whether in contract, tort, including negligence, strict liability or otherwise, shall be the repair or replacement of the VMT Calculator to the extent feasible as determined solely by the City. In no event shall the City or Fehr & Peers be responsible to You or anyone else for, or have liability for any special, indirect, incidental or consequential damages (including, without limitation, damages for loss of business profits or changes to businesses costs) or lost data or downtime, however caused, and on any theory of liability from the use of, or the inability to use, the VMT Calculator, whether the data, and/or formulas contained in the VMT Calculator are provided by the City or Fehr & Peers, or another third party, even if the City or Fehr & Peers have been advised of the possibility of such damages.

This Agreement and License shall be governed by the laws of the State of California without regard to their conflicts of law provisions, and shall be effective as of the date set forth below and, unless terminated in accordance with the above or extended by written amendment to this Agreement, shall terminate on the earlier of the date that You are not making use of the VMT Calculator or one year after the beginning of Your use of the VMT Calculator.

By using the VMT Calculator, You hereby waive and release all claims, responsibilities, liabilities, actions, damages, costs, and losses, known and unknown, against the City and Fehr & Peers for Your use of the VMT Calculator.

Before making decisions using the information provided in this application, contact City LADOT staff to confirm the validity of the data provided.

Print and sign below, and submit to LADOT along with the transportation assessment Memorandum of Understanding (MOU).

You, the User	
By:	Lauren Mullarkey-Williams
Print Name:	Lauren Mullarkey-Williams
Title:	Associate
Company:	Gibson Transportation Consulting, Inc.
Address:	555 W. 5th St. Suite 3375 Los Angeles, CA 90013
Phone:	(213) 683-0033
Email Address:	lmullarkey-williams@gibsontrans.com
Date:	11/27/23

Appendix B

Traffic Volume Data

Turning Movement Count Report AM

Location ID: 1
North/South: Central Avenue
East/West: 7th Street

Date: 12/06/23
City: Los Angeles, CA

	Southbound			*Westbound*			*Northbound*			*Eastbound*			
	1	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	**11**	**12**	Totals:
Movements:	R	T	L	R	T	L	R	T	L	R	T	L	
7:00	20	97	5	34	209	26	21	65	14	14	35	0	540
7:15	18	98	9	25	198	38	26	63	15	7	35	4	536
7:30	31	106	7	19	209	35	22	79	13	6	49	3	579
7:45	38	112	2	22	201	53	21	71	7	7	58	4	596
8:00	31	119	5	18	195	43	24	76	17	9	39	3	579
8:15	29	118	6	22	217	38	37	73	11	10	42	7	610
8:30	28	140	7	32	218	46	36	77	19	4	43	8	658
8:45	35	123	4	24	185	39	25	91	14	12	40	7	599
9:00	28	97	7	24	176	48	25	77	13	17	36	3	551
9:15	24	81	6	18	177	34	34	80	18	17	36	6	531
9:30	32	93	7	21	180	36	32	68	17	18	52	3	559
9:45	35	88	7	17	180	38	37	65	19	10	48	7	551
Total Volume:	349	1272	72	276	2345	474	340	885	177	131	513	55	6889
Approach %	21%	75%	4%	9%	76%	15%	24%	63%	13%	19%	73%	8%	
Peak Hr Begin:	8:00												
PHV	123	500	22	96	815	166	122	317	61	35	164	25	2446
PHF	0.921			0.910			0.947			0.949			

Turning Movement Count Report PM

Location ID: 1
North/South: Central Avenue
East/West: 7th Street

Date: 12/06/23
City: Los Angeles, CA

	Southbound			*Westbound*			*Northbound*			*Eastbound*			
	1	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	**11**	**12**	Totals:
Movements:	R	T	L	R	T	L	R	T	L	R	T	L	
15:00	13	120	6	17	78	27	31	107	13	19	84	8	523
15:15	14	92	6	14	70	29	19	105	15	10	77	11	462
15:30	14	128	6	15	80	20	27	111	15	18	88	8	530
15:45	16	116	4	21	77	25	23	127	13	11	90	8	531
16:00	8	122	15	16	89	31	34	157	11	11	139	12	645
16:15	17	99	6	23	90	28	35	127	11	13	83	12	544
16:30	11	132	7	16	82	33	33	176	15	15	123	21	664
16:45	11	115	7	14	102	32	32	163	7	8	115	13	619
17:00	10	102	8	11	96	32	50	208	5	13	152	10	697
17:15	8	141	8	22	102	35	37	199	11	12	150	15	740
17:30	10	115	8	11	90	29	52	187	10	12	110	10	644
17:45	10	146	9	12	86	38	38	150	7	13	88	14	611
Total Volume:	142	1428	90	192	1042	359	411	1817	133	155	1299	142	7210
Approach %	9%	86%	5%	12%	65%	23%	17%	77%	6%	10%	81%	9%	
Peak Hr Begin:	16:30												
PHV	40	490	30	63	382	132	152	746	38	48	540	59	2720
PHF	0.892			0.907			0.890			0.914			

Turning Movement Count Report AM

Location ID: 2
North/South: Warehouse Street
East/West: 7th Street

Date: 12/06/23
City: Los Angeles, CA

	Southbound			*Westbound*			*Northbound*			*Eastbound*			
	1	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	**11**	**12**	Totals:
Movements:	R	T	L	R	T	L	R	T	L	R	T	L	
7:00	0	0	0	0	274	1	0	0	0	1	57	0	333
7:15	0	0	0	0	258	0	2	0	0	0	66	1	327
7:30	0	0	0	0	262	0	0	0	0	1	69	0	332
7:45	0	0	0	0	269	1	0	0	0	1	83	0	354
8:00	0	0	0	0	254	0	2	0	1	0	68	0	325
8:15	0	0	0	0	279	0	1	0	0	0	85	0	365
8:30	0	0	0	0	269	0	1	0	0	0	74	0	344
8:45	0	0	0	0	250	0	0	0	0	0	67	0	317
9:00	0	0	0	0	261	1	0	0	0	0	68	0	330
9:15	0	0	0	0	229	0	2	0	0	1	80	0	312
9:30	0	0	0	0	260	0	0	0	2	0	80	1	343
9:45	0	0	0	0	227	2	0	0	0	0	96	1	326
Total Volume:	0	0	0	0	3092	5	8	0	3	4	893	3	4008
Approach %	0%	0%	0%	0%	100%	0%	73%	0%	27%	0%	99%	0%	
Peak Hr Begin:	7:45												
PHV	0	0	0	0	1071	1	4	0	1	1	310	0	1388
PHF	0.000			0.961			0.417			0.915			

Turning Movement Count Report PM

Location ID: 2
North/South: Warehouse Street
East/West: 7th Street

Date: 12/06/23
City: Los Angeles, CA

	Southbound			*Westbound*			*Northbound*			*Eastbound*			Totals:
	1	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	**11**	**12**	
Movements:	R	T	L	R	T	L	R	T	L	R	T	L	
15:00	0	0	0	0	118	0	1	0	2	0	126	0	247
15:15	0	0	0	0	120	0	1	0	0	0	100	1	222
15:30	0	0	0	0	114	0	0	0	0	0	121	0	235
15:45	0	0	0	0	131	0	0	0	0	0	123	0	254
16:00	0	0	0	0	132	0	0	0	0	0	189	0	321
16:15	0	0	0	0	140	0	0	0	0	0	125	0	265
16:30	0	0	0	0	138	0	0	0	0	0	172	0	310
16:45	0	0	0	0	145	0	0	0	0	0	158	0	303
17:00	0	0	0	0	160	0	0	0	0	0	200	1	361
17:15	0	0	0	0	137	0	0	0	0	0	204	1	342
17:30	0	0	0	0	127	0	0	0	0	0	175	1	303
17:45	0	0	0	0	143	0	0	0	0	0	133	0	276
Total Volume:	0	0	0	0	1605	0	2	0	2	0	1826	4	3439
Approach %	0%	0%	0%	0%	100%	0%	50%	0%	50%	0%	100%	0%	

Peak Hr Begin:	16:30												
PHV	0	0	0	0	580	0	0	0	0	0	734	2	1316
PHF	0.000			0.906			#DIV/0!			0.898			

Turning Movement Count Report AM

Location ID: 3
North/South: Alameda Street
East/West: 7th Street

Date: 12/06/23
City: Los Angeles, CA

	Southbound			*Westbound*			*Northbound*			*Eastbound*			
	1	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	**11**	**12**	Totals:
Movements:	R	T	L	R	T	L	R	T	L	R	T	L	
7:00	42	121	17	15	212	15	13	131	22	6	33	17	644
7:15	58	132	13	19	168	25	9	155	25	7	37	22	670
7:30	48	168	19	17	204	24	8	143	17	6	39	25	718
7:45	52	170	13	18	185	18	20	155	25	11	50	18	735
8:00	59	176	15	18	170	22	15	139	26	12	41	17	710
8:15	50	163	17	23	204	17	10	128	28	10	52	21	723
8:30	64	207	6	23	182	29	13	127	20	8	34	30	743
8:45	43	177	20	22	182	20	18	135	24	10	39	20	710
9:00	41	179	19	15	193	23	11	125	31	5	33	29	704
9:15	44	181	20	24	159	26	10	124	21	8	47	26	690
9:30	59	184	23	21	175	40	9	138	27	7	45	32	760
9:45	42	174	19	21	152	33	16	131	29	12	47	47	723
Total Volume:	602	2032	201	236	2186	292	152	1631	295	102	497	304	8530
Approach %	21%	72%	7%	9%	81%	11%	7%	78%	14%	11%	55%	34%	

Peak Hr Begin:	7:45												
PHV	225	716	51	82	741	86	58	549	99	41	177	86	2911
PHF	0.895			0.931			0.883			0.916			

Turning Movement Count Report PM

Location ID: 3
North/South: Alameda Street
East/West: 7th Street

Date: 12/06/23
City: Los Angeles, CA

	Southbound			*Westbound*			*Northbound*			*Eastbound*			
	1	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	**11**	**12**	Totals:
Movements:	R	T	L	R	T	L	R	T	L	R	T	L	
15:00	21	165	24	25	68	22	20	147	20	21	82	20	635
15:15	17	174	21	23	78	16	14	145	15	16	61	29	609
15:30	26	143	25	17	75	17	13	159	9	25	69	17	595
15:45	26	183	25	22	86	18	15	164	19	23	81	24	686
16:00	18	202	29	32	97	16	17	184	14	18	127	37	791
16:15	19	164	37	25	97	28	11	212	21	13	99	22	748
16:30	26	167	22	24	100	14	14	170	12	19	125	27	720
16:45	29	160	18	17	91	21	14	187	23	24	104	25	713
17:00	22	182	37	17	124	16	14	212	13	21	152	23	833
17:15	13	198	36	32	107	19	15	243	12	35	140	30	880
17:30	22	121	35	22	82	18	12	237	15	29	131	16	740
17:45	30	135	42	20	94	24	15	192	16	17	102	17	704

Total Volume:	269	1994	351	276	1099	229	174	2252	189	261	1273	287	8654
Approach %	10%	76%	13%	17%	69%	14%	7%	86%	7%	14%	70%	16%	

Peak Hr Begin:	16:45												
PHV	86	661	126	88	404	74	55	879	63	109	527	94	3166
PHF	0.884			0.896			0.923			0.890			

Prepared by City Count, LLC. (www.citycount.com)

Turning Movement Count Report AM

Location ID: 4
North/South: Alameda Street
East/West: Center Street

Date: 12/06/23
City: Los Angeles, CA

	Southbound			*Westbound*			*Northbound*			*Eastbound*			
	1	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	**11**	**12**	Totals:
Movements:	R	T	L	R	T	L	R	T	L	R	T	L	
7:00	7	133	4	6	0	10	16	159	8	3	0	5	351
7:15	19	135	6	10	0	11	13	174	10	4	0	2	384
7:30	20	168	9	4	0	12	17	165	11	6	0	1	413
7:45	22	175	9	9	0	7	21	187	22	3	0	1	456
8:00	20	176	10	5	0	9	12	172	9	6	0	6	425
8:15	33	157	7	7	0	7	22	150	16	6	0	5	410
8:30	54	191	5	4	0	5	16	152	18	2	0	8	455
8:45	50	154	3	7	0	7	13	156	18	1	0	6	415
9:00	66	137	5	6	0	10	15	154	20	3	0	5	421
9:15	54	156	11	8	0	8	23	136	22	5	0	8	431
9:30	64	161	5	9	0	9	15	168	18	8	0	9	466
9:45	63	155	15	9	0	10	18	158	27	5	0	6	466

Total Volume:	472	1898	89	84	0	105	201	1931	199	52	0	62	5093
Approach %	19%	77%	4%	44%	0%	56%	9%	83%	9%	46%	0%	54%	

Peak Hr Begin:	9:00												
PHV	247	609	36	32	0	37	71	616	87	21	0	28	1784
PHF	0.957			0.908			0.953			0.721			

Turning Movement Count Report PM

Location ID: 4
North/South: Alameda Street
East/West: Center Street

Date: 12/06/23
City: Los Angeles, CA

	Southbound			*Westbound*			*Northbound*			*Eastbound*			
	1	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	**11**	**12**	Totals:
Movements:	R	T	L	R	T	L	R	T	L	R	T	L	
15:00	34	165	1	4	0	4	3	168	8	18	1	16	422
15:15	27	183	4	2	0	3	3	149	12	12	0	21	416
15:30	14	157	2	1	0	3	1	159	10	6	0	23	376
15:45	24	195	1	2	0	0	0	164	6	15	0	27	434
16:00	23	223	2	1	1	0	1	193	5	13	0	28	490
16:15	24	187	0	0	0	1	3	204	7	14	0	41	481
16:30	29	177	1	1	0	1	1	174	10	20	0	28	442
16:45	27	182	0	7	0	0	0	193	10	14	0	27	460
17:00	24	194	1	4	0	0	0	195	5	20	0	36	479
17:15	18	232	0	0	0	0	0	243	5	19	0	32	549
17:30	27	150	0	0	0	0	1	229	4	15	0	33	459
17:45	28	138	0	0	0	0	1	186	5	15	0	34	407
Total Volume:	299	2183	12	22	1	12	14	2257	87	181	1	346	5415
Approach %	12%	88%	0%	63%	3%	34%	1%	96%	4%	34%	0%	66%	
Peak Hr Begin:	16:45												
PHV	96	758	1	11	0	0	1	860	24	68	0	128	1947
PHF	0.855			0.393			0.892			0.875			

Turning Movement Count Report AM

Location ID: 5
North/South: Alameda Street
East/West: Bay Street

Date: 12/06/23
City: Los Angeles, CA

	Southbound			*Westbound*			*Northbound*			*Eastbound*			
	1	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	**11**	**12**	Totals:
Movements:	R	T	L	R	T	L	R	T	L	R	T	L	
7:00	0	122	13	10	0	15	10	165	0	0	0	0	335
7:15	0	147	8	9	0	20	12	178	1	0	0	0	375
7:30	0	162	13	15	0	29	29	169	0	0	0	0	417
7:45	0	179	11	23	0	17	18	202	0	0	0	0	450
8:00	0	182	10	6	0	18	29	174	6	2	0	2	429
8:15	0	160	11	14	1	36	25	164	13	7	1	4	436
8:30	1	166	15	13	3	24	31	167	9	6	0	4	439
8:45	0	151	13	14	2	32	19	167	6	6	0	2	412
9:00	2	133	8	11	4	35	22	180	9	3	0	4	411
9:15	0	157	17	13	3	21	29	155	8	3	1	4	411
9:30	0	164	12	19	0	31	24	176	7	3	1	7	444
9:45	2	154	19	12	2	35	13	181	6	3	2	4	433

Total Volume:	5	1877	150	159	15	313	261	2078	65	33	5	31	4992
Approach %	0%	92%	7%	33%	3%	64%	11%	86%	3%	48%	7%	45%	

Peak Hr Begin:	7:45												
PHV	1	687	47	56	4	95	103	707	28	15	1	10	1754
PHF	0.957			0.760			0.952			0.542			

Turning Movement Count Report PM

Location ID: 5
North/South: Alameda Street
East/West: Bay Street

Date: 12/06/23
City: Los Angeles, CA

	Southbound			*Westbound*			*Northbound*			*Eastbound*			
	1	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	**11**	**12**	Totals:
Movements:	R	T	L	R	T	L	R	T	L	R	T	L	
15:00	2	179	4	12	0	11	15	151	5	18	0	9	406
15:15	0	188	11	6	3	12	16	151	4	16	0	7	414
15:30	1	163	3	6	2	18	10	154	1	12	0	9	379
15:45	1	201	8	13	1	7	12	155	0	7	0	6	411
16:00	0	223	7	13	1	14	10	173	5	18	1	6	471
16:15	1	194	5	3	2	13	10	182	1	22	1	20	454
16:30	1	186	6	9	0	14	5	169	1	25	1	8	425
16:45	1	195	2	12	0	14	6	176	1	19	1	11	438
17:00	2	208	1	4	0	4	4	176	2	21	0	12	434
17:15	1	242	5	8	0	3	5	239	5	16	1	8	533
17:30	0	157	7	12	0	13	8	206	1	12	0	5	421
17:45	2	148	2	9	0	6	8	171	2	5	1	13	367
Total Volume:	12	2284	61	107	9	129	109	2103	28	191	6	114	5153
Approach %	1%	97%	3%	44%	4%	53%	5%	94%	1%	61%	2%	37%	
Peak Hr Begin:	16:30												
PHV	5	831	14	33	0	35	20	760	9	81	3	39	1830
PHF	0.857			0.654			0.792			0.904			

Turning Movement Count Report AM

Location ID: 6
North/South: Alameda Street
East/West: Olympic Boulevard

Date: 12/06/23
City: Los Angeles, CA

	Southbound			*Westbound*			*Northbound*			*Eastbound*			Totals:
	1	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	**11**	**12**	
Movements:	R	T	L	R	T	L	R	T	L	R	T	L	
7:00	25	95	11	14	246	41	16	115	27	13	124	15	742
7:15	18	112	16	20	244	44	12	131	23	12	104	15	751
7:30	28	117	16	26	282	64	11	135	25	15	140	14	873
7:45	33	133	19	35	237	53	17	139	28	10	111	19	834
8:00	26	122	17	18	270	50	26	126	28	12	129	19	843
8:15	34	115	11	24	258	36	28	123	27	16	112	17	801
8:30	44	123	16	24	237	44	21	132	13	21	130	13	818
8:45	31	123	17	35	227	50	24	141	22	16	136	9	831
9:00	32	108	12	26	233	53	36	126	23	13	146	17	825
9:15	39	119	17	30	181	37	28	148	19	12	137	16	783
9:30	48	113	17	34	192	44	22	126	24	18	147	15	800
9:45	36	97	9	20	180	43	27	128	25	24	146	12	747

Total Volume:	394	1377	178	306	2787	559	268	1570	284	182	1562	181	9648
Approach %	20%	71%	9%	8%	76%	15%	13%	74%	13%	9%	81%	9%	

Peak Hr Begin:	7:30												
PHV	121	487	63	103	1047	203	82	523	108	53	492	69	3351
PHF	0.907			0.909			0.969			0.908			

Turning Movement Count Report PM

Location ID: 6
North/South: Alameda Street
East/West: Olympic Boulevard

Date: 12/06/23
City: Los Angeles, CA

	Southbound			*Westbound*			*Northbound*			*Eastbound*			Totals:
	1	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	**11**	**12**	
Movements:	R	T	L	R	T	L	R	T	L	R	T	L	
15:00	20	141	20	11	119	38	44	129	13	11	226	21	793
15:15	31	141	33	16	101	25	30	114	16	19	242	15	783
15:30	28	122	26	17	160	33	34	118	25	16	235	17	831
15:45	31	172	16	10	164	40	35	147	21	21	175	20	852
16:00	32	151	26	18	180	47	33	118	15	20	192	10	842
16:15	29	167	14	6	133	38	33	178	17	11	224	14	864
16:30	32	136	27	21	213	33	36	121	25	8	209	6	867
16:45	50	160	20	7	159	42	48	153	20	4	205	11	879
17:00	32	149	22	21	185	44	44	137	24	9	223	15	905
17:15	34	116	13	12	164	34	26	182	26	14	207	15	843
17:30	38	132	21	18	161	28	45	139	31	12	235	14	874
17:45	28	127	21	16	121	37	35	145	17	11	216	11	785

Total Volume:	385	1714	259	173	1860	439	443	1681	250	156	2589	169	10118
Approach %	16%	73%	11%	7%	75%	18%	19%	71%	11%	5%	89%	6%	

Peak Hr Begin:	16:15												
PHV	143	612	83	55	690	157	161	589	86	32	861	46	3515
PHF	0.911			0.845			0.917			0.943			

Volume Factoring Worksheet

Year to Factor To: 2024

Annual Traffic Growth: 1% compounded annually

INPUT

			AM												PM												
			1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12	Count
Int	N/S Street	E/W Street	SBR	SBT	SBL	WBR	WBT	WBL	NBR	NBT	NBL	EBR	EBT	EBL	SBR	SBT	SBL	WBR	WBT	WBL	NBR	NBT	NBL	EBR	EBT	EBL	Year
1	Central Avenue	7th Street	123	500	22	96	815	166	122	317	61	35	164	25	40	490	30	63	382	132	152	746	38	48	540	59	2023
2	Warehouse Street	7th Street	0	0	0	0	1,071	1	4	0	1	1	310	0	0	0	0	0	580	0	0	0	0	0	734	2	2023
3	Alameda Street	7th Street	225	716	51	82	741	86	58	549	99	41	177	86	86	661	126	68	404	74	55	879	63	109	527	94	2023
4	Alameda Street	Center Street	247	609	36	32	0	37	71	616	87	21	0	28	96	758	1	11	0	0	1	860	24	68	0	126	2023
5	Alameda Street	Bay Street	1	687	47	56	4	95	103	707	28	15	1	10	5	831	14	33	0	35	20	760	9	81	3	39	2023
6	Alameda Street	Olympic Boulevard	121	487	63	103	1,047	203	82	523	108	53	492	69	143	612	83	55	690	157	161	589	86	32	861	46	2023

OUTPUT

			AM												PM												
			1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12	Growth
Int	N/S Street	E/W Street	SBR	SBT	SBL	WBR	WBT	WBL	NBR	NBT	NBL	EBR	EBT	EBL	SBR	SBT	SBL	WBR	WBT	WBL	NBR	NBT	NBL	EBR	EBT	EBL	Year
1	Central Avenue	7th Street	124	505	22	97	823	168	123	320	62	35	166	25	40	495	30	64	386	133	154	753	38	48	545	60	2024
2	Warehouse Street	7th Street	0	0	0	0	1,082	1	4	0	1	1	313	0	0	0	0	0	586	0	0	0	0	0	741	2	2024
3	Alameda Street	7th Street	227	723	52	83	748	87	59	554	100	41	179	87	87	668	127	69	408	75	56	888	64	110	532	95	2024
4	Alameda Street	Center Street	249	615	36	32	0	37	72	622	88	21	0	28	97	766	1	11	0	0	1	869	24	69	0	129	2024
5	Alameda Street	Bay Street	1	694	47	57	4	96	104	714	28	15	1	10	5	839	14	33	0	35	20	768	9	82	3	39	2024
6	Alameda Street	Olympic Boulevard	122	492	64	104	1,057	205	83	528	109	54	497	70	144	618	84	56	697	159	163	595	87	32	870	46	2024

Appendix C

CEQA T-1 Plans, Policies, Programs Consistency Worksheet

LADOT

Attachment D: Plan, Policy, and Program Consistency Worksheet

Plans, Policies and Programs Consistency Worksheet

The worksheet provides a structured approach to evaluate the threshold T-1 question below, that asks whether a project conflicts with a program, plan, ordinance or policy addressing the circulation system. The intention of the worksheet is to streamline the project review by highlighting the most relevant plans, policies and programs when assessing potential impacts to the City's circulation system.

> ***Threshold T-1***: Would the project conflict with a program, plan, ordinance, or policy addressing the circulation system, including transit, roadways, bicycle, and pedestrian facilities?

This worksheet does not include an exhaustive list of City policies, and does not include community plans, specific plans, or any area-specific regulatory overlays. The Department of City Planning project planner will need to be consulted to determine if the project would obstruct the City from carrying out a policy or program in a community plan, specific plan, streetscape plan, or regulatory overlay that was adopted to support multimodal transportation options or public safety. LADOT staff should be consulted if a project would lead to a conflict with a mobility investment in the Public Right of Way (PROW) that is currently undergoing planning, design, or delivery. This worksheet must be completed for all projects that meet the Section I. Screening Criteria. For description of the relevant planning documents, **see Attachment D.1.**

For any response to the following questions that checks the box in **bold text** ((i.e.□ **Yes** or □ **No**), further analysis is needed to demonstrate that the project does not conflict with a plan, policy, or program.

I. SCREENING CRITERIA FOR POLICY ANALYSIS

If the answer is 'yes' to any of the following questions, further analysis will be required:

Does the project require a discretionary action that requires the decision maker to find that the project would substantially conform to the purpose, intent and provisions of the General Plan?

☑ Yes □ No

Is the project known to directly conflict with a transportation plan, policy, or program adopted to support multimodal transportation options or public safety?

□ Yes ☑ No

Is the project required to or proposing to make any voluntary modifications to the public right-of-way (i.e., dedications and/or improvements in the right-of-way, reconfigurations of curb line, etc.)?

□ Yes ☑ No

II. PLAN CONSISTENCY ANALYSIS

A. Mobility Plan 2035 PROW Classification Standards for Dedications and Improvements

These questions address potential conflict with:

LADOT

Plan, Policy, and Program Consistency Worksheet

Mobility Plan 2035 Policy 2.1 *– Adaptive Reuse of Streets. Design, plan, and operate streets to serve multiple purposes and provide flexibility in design to adapt to future demands.*

Mobility Plan 2035 Policy 2.3 *– Pedestrian Infrastructure. Recognize walking as a component of every trip, and ensure high quality pedestrian access in all site planning and public right-of-way modifications to provide a safe and comfortable walking environment.*

Mobility Plan 2035 Policy 3.2 *– People with Disabilities. Accommodate the needs of people with disabilities when modifying or installing infrastructure in the public right-of-way.*

Mobility Plan 2035 Street Designations and Standard Roadway Dimensions

A.1 Does the project include additions or new construction along a street designated as a Boulevard I, and II, and/or Avenue I, II, or III on property zoned for R3 or less restrictive zone? ☑ Yes ☐ No

A.2 If **A.1 is yes**, is the project required to make additional dedications or improvements to the Public Right of Way as demonstrated by the street designation. ☐ Yes ☑ No ☐ N/A

A.3 If **A.2 is yes**, is the project making the dedications and improvements as necessary to meet the designated dimensions of the fronting street (Boulevard I, and II, or Avenue I, II, or III)?

☐ Yes ☐ No ☑ N/A

If the answer is to **A.1 or A.2 is NO, or to A.1, A.2 and A.3. is YES**, then the project does not conflict with the dedication and improvement requirements that are needed to comply with the Mobility Plan 2035 Street Designations and Standard Roadway Dimensions.

A.4 If the answer to **A.3. is NO**, is the project applicant asking to waive from the dedication standards?

☐ Yes ☐ No ☑ N/A

Lists any streets subject to dedications or voluntary dedications and include existing roadway and sidewalk widths, required roadway and sidewalk widths, and proposed roadway and sidewalk width or waivers.

Alameda St

Frontage 1 Existing PROW"/Curb' : Existing 50'/15' Required 50'/15' Proposed 50'/15'

7th St

Frontage 2 Existing PROW"/Curb' : Existing 43'/15' Required 43'/15' Proposed 43'/15'

Frontage 3 Existing PROW"/Curb' : Existing _____ Required _____ Proposed _____

Frontage 4 Existing PROW"/Curb' : Existing _____ Required _____ Proposed _____

If the answer to **A.4 is NO**, the project is inconsistent with Mobility Plan 2035 street designations and must file for a waiver of street dedication and improvement.

If the answer to **A.4 is YES**, additional analysis is necessary to determine if the dedication and/or improvements are necessary to meet the City's mobility needs for the next 20 years. The following factors may contribute to determine if the dedication or improvement is necessary:

Is the project site along any of the following networks identified in the City's Mobility Plan?

- Transit Enhanced Network
- Bicycle Enhanced Network
- Bicycle Lane Network
- Pedestrian Enhanced District
- Neighborhood Enhanced Network

To see the location of the above networks, see **Transportation Assessment Support Map**.[1]

Is the project within the service area of Metro Bike Share, or is there demonstrated demand for micro-mobility services?

If the project dedications and improvements asking to be waived are necessary to meet the City's mobility needs, the project may be found to conflict with a plan that is adopted to protect the environment.

B. Mobility Plan 2035 PROW Policy Alignment with Project-Initiated Changes

B.1 Project-Initiated Changes to the PROW Dimensions

These questions address potential conflict with:

Mobility Plan 2035 Policy 2.1 *– Adaptive Reuse of Streets. Design, plan, and operate streets to serve multiple purposes and provide flexibility in design to adapt to future demands.*

Mobility Plan 2035 Policy 2.3 *– Pedestrian Infrastructure. Recognize walking as a component of every trip, and ensure high quality pedestrian access in all site planning and public right-of-way modifications to provide a safe and comfortable walking environment.*

Mobility Plan 2035 Policy 3.2 *– People with Disabilities. Accommodate the needs of people with disabilities when modifying or installing infrastructure in the public right-of-way.*

Mobility Plan 2035 Policy 2.10 *– Loading Areas. Facilitate the provision of adequate on and off-site street loading areas.*

Mobility Plan 2035 Street Designations and Standard Roadway Dimensions

B.1 Does the project propose, above and beyond any PROW changes needed to comply with Section 12.37 of the LAMC as discussed in Section II.A, physically modify the curb placement or turning radius and/or physically alter the sidewalk and parkways space that changes how people access a property?

Examples of developer-initiated physical changes to the public right-of-way include:

- widening the roadway,
- narrowing the sidewalk,
- adding space for vehicle turn outs or loading areas,
- removing bicycle lanes, bike share stations, or bicycle parking

[1] LADOT Transportation Assessment Support Map https://arcg.is/fubbD

- modifying existing bus stop, transit shelter, or other street furniture
- paving, narrowing, shifting or removing an existing parkway or tree well

□ Yes ✓ No

B.2 Driveway Access

These questions address potential conflict with:

Mobility Plan 2035 Policy 2.10 – *Loading Areas. Facilitate the provision of adequate on and off-site street loading areas.*

Mobility Plan 2035 Program PL.1. Driveway Access. *Require driveway access to buildings from non-arterial streets or alleys (where feasible) in order to minimize interference with pedestrian access and vehicular movement.*

Citywide Design Guidelines - Guideline 2*: Carefully incorporate vehicular access such that it does not degrade the pedestrian experience.*

Site Planning Best Practices:

- *Prioritize pedestrian access first and automobile access second. Orient parking and driveways toward the rear or side of buildings and away from the public right-of-way. On corner lots, parking should be oriented as far from the corner as possible.*
- *Minimize both the number of driveway entrances and overall driveway widths.*
- *Do not locate drop-off/pick-up areas between principal building entrances and the adjoining sidewalks.*
- *Orient vehicular access as far from street intersections as possible.*
- *Place drive-thru elements away from intersections and avoid placing them so that they create a barrier between the sidewalk and building entrance(s).*
- *Ensure that loading areas do not interfere with on-site pedestrian and vehicular circulation by separating loading areas and larger commercial vehicles from areas that are used for public parking and public entrances.*

B.2 Does the project add new driveways along a street designated as an Avenue or a Boulevard that conflict with LADOT's Driveway Design Guidelines (See Sec. 321 in the Manual of Policies and Procedures) by any of the following:

- locating new driveways for residential properties on an Avenue or Boulevard, and access is otherwise possible using an alley or a collector/local street, or
- locating new driveways for industrial or commercial properties on an Avenue or Boulevard and access is possible along a collector/local street, or
- the total number of new driveways exceeds 1 driveway per every 200 feet[2] along on the Avenue or Boulevard frontage, or
- locating new driveways on an Avenue or Boulevard within 150 feet from the intersecting street, or
- locating new driveways on a collector or local street within 75 feet from the intersecting street, or

[2] for a project frontage that exceeds 400 feet along an Avenue or Boulevard, the incremental additional driveway above 2 is more than 1 driveway for every 400 additional feet.

- locating new driveways near mid-block crosswalks, requiring relocation of the mid-block crosswalk

☐ Yes ☑ No

If the answer to **B.1 and B.2 are both NO**, then the project would not conflict with a plan or policies that govern the PROW as a result of the project-initiated changes to the PROW.

Impact Analysis

If the answer to either **B.1 or B.2 are YES**, City plans and policies should be reviewed in light of the proposed physical changes to determine if the City would be obstructed from carrying out the plans and policies. The analysis should pay special consideration to substantial changes to the Public Right of Way that may either degrade existing facilities for people walking and bicycling (e.g., removing a bicycle lane), or preclude the City from completing complete street infrastructure as identified in the Mobility Plan 2035, especially if the physical changes are along streets that are on the High Injury Network (HIN). The analysis should also consider if the project is in a Transit Oriented Community (TOC) area, and would degrade or inhibit trips made by biking, walking and/ or transit ridership. The streets that need special consideration are those that are included on the following networks identified in the Mobility Plan 2035, or the HIN:

- Transit Enhanced Network
- Bicycle Enhanced Network
- Bicycle Lane Network
- Pedestrian Enhanced District
- Neighborhood Enhanced Network
- High Injury Network

To see the location of the above networks, see **Transportation Assessment Support Map**.[3]

Once the project is reviewed relevant to plans and policies, and existing facilities that may be impacted by the project, the analysis will need to answer the following two questions in concluding if there is an impact due to plan inconsistency.

B.2.1 Would the physical changes in the public right of way or new driveways that conflict with LADOT's Driveway Design Guidelines degrade the experience of vulnerable roadway users such as modify, remove, or otherwise negatively impact existing bicycle, transit, and/or pedestrian infrastructure?

☐ Yes ☑ No ☐ N/A

B.2.2 Would the physical modifications or new driveways that conflict with LADOT's Driveway Design Guidelines preclude the City from advancing the safety of vulnerable roadway users?

☐ Yes ☑ No ☐ N/A

If either of the answers to either **B.2.1 or B.2.2 are YES**, the project may conflict with the Mobility Plan 2035, and therefore conflict with a plan that is adopted to protect the

[3] LADOT Transportation Assessment Support Map https://arcg.is/fubbD

environment. If either of the answers to both **B.2.1. or B.2.2. are NO**, then the project would not be shown to conflict with plans or policies that govern the Public Right-of-Way.

C. Network Access

C. 1 Alley, Street and Stairway Access

These questions address potential conflict with:

Mobility Plan Policy 3.9 *Increased Network Access: Discourage the vacation of public rights-of-way.*

C.1.1 Does the project propose to vacate or otherwise restrict public access to a street, alley, or public stairway?

☐ Yes ☑ No

C.1.2 If the answer to C.1.1 is Yes, will the project provide or maintain public access to people walking and biking on the street, alley or stairway?

☐ Yes ☐ **No** ☑ N/A

C.2 New Cul-de-sacs

These questions address potential conflict with:

Mobility Plan 2035 Policy 3.10 *Cul-de-sacs: Discourage the use of cul-de-sacs that do not provide access for active transportation options.*

C.2.1 Does the project create a cul-de-sac or is the project located adjacent to an existing cul-de-sac?

☐ Yes ☑ No

C.2.2 If yes, will the cul-de-sac maintain convenient and direct public access to people walking and biking to the adjoining street network?

☐ Yes ☐ **No** ☑ N/A

If the answers to either C.1.2 or C.2.2 are YES, then the project would not conflict with a plan or policies that ensures access for all modes of travel. If the answer to either **C.1.2 or C.2.2 are NO**, the project may conflict with a plan or policies that governs multimodal access to a property. Further analysis must assess to the degree that pedestrians and bicyclists have sufficient public access to the transportation network.

D. Parking Supply and Transportation Demand Management

These questions address potential conflict with:

Mobility Plan 2035 Policy 3.8 *– Bicycle Parking, Provide bicyclists with convenient, secure and well maintained bicycle parking facilities.*

Mobility Plan 2035 Policy 4.8 *– Transportation Demand Management Strategies. Encourage greater utilization of Transportation Demand Management Strategies to reduce dependence on single-occupancy vehicles.*

LADOT

Plan, Policy, and Program Consistency Worksheet

Mobility Plan 2035 Policy 4.13 *– Parking and Land Use Management: Balance on-street and off-street parking supply with other transportation and land use objectives.*

D.1 Would the project propose a supply of onsite parking that exceeds the baseline amount[4] as required in the Los Angeles Municipal Code or a Specific plan, whichever requirement prevails?

☐ Yes ☑ No

D.2 If the answer to D.1. is YES, would the project propose to actively manage the demand of parking by independently pricing the supply to all users (e.g. parking cash-out), or for residential properties, unbundle the supply from the lease or sale of residential units?

☐ Yes ☐ **No** ☑ N/A

If the answer to **D.2. is NO** the project may conflict with parking management policies. Further analysis is needed to demonstrate how the supply of parking above city requirements will not result in additional (induced) drive-alone trips as compared to an alternative that provided no more parking than the baseline required by the LAMC or Specific Plan. If there is potential for the supply of parking to result in induced demand for drive-alone trips, the project should further explore transportation demand management (TDM) measures to further off-set the induced demands of driving and vehicle miles travelled (VMT) that may result from higher amounts of on-site parking. The TDM measures should specifically focus on strategies that encourage dynamic and context-sensitive pricing solutions and ensure the parking is efficiently allocated, such as providing real time information. Research has demonstrated that charging a user cost for parking or providing a 'cash-out' option in return for not using it is the most effective strategy to reduce the instances of drive-alone trips and increase non-auto mode share to further reduce VMT. To ensure the parking is efficiently managed and reduce the need to build parking for future uses, further strategies should include sharing parking with other properties and/or the general public.

D.3. Would the project provide the minimum on and off-site bicycle parking spaces as required by Section 12.21 A.16 of the LAMC?

☑ Yes ☐ **No**

D.4. Does the Project include more than 25,000 square feet of gross floor area construction of new non-residential gross floor?

☐ Yes ☑ No

D.5 If the answer to D.4. is YES, does the project comply with the City's TDM Ordinance in Section 12.26 J of the LAMC?

☐ Yes ☐ **No** ☑ N/A

If the answer to **D.3. or D.5. is NO** the project conflicts with LAMC code requirements of bicycle parking and TDM measures. If the project includes uses that require bicycle parking (Section 12.21 A.16) or TDM (Section 12.26 J), and the project does not comply with those Sections of the LAMC, further analysis is required to ensure that the project supports the intent of the two LAMC sections. To meet the intent of

[4] The baseline parking is defined here as the default parking requirements in section 12.21 A.4 of the Los Angeles Municipal Code or any applicable Specific Plan, whichever prevails, for each applicable use not taking into consideration other parking incentives to reduce the amount of required parking.

bicycle parking requirements, the analysis should identify how the project commits to providing safe access to those traveling by bicycle and accommodates storing their bicycle in locations that demonstrates priority over vehicle access.

Similarly, to meet the intent of the TDM requirements of Section 12.26 J of the LAMC, the analysis should identify how the project commits to providing effective strategies in either physical facilities or programs that encourage non-drive alone trips to and from the project site and changes in work schedule that move trips out of the peak period or eliminate them altogether (as in the case in telecommuting or compressed work weeks).

E. Consistency with Regional Plans

This section addresses potential inconsistencies with greenhouse gas (GHG) reduction targets forecasted in the Southern California Association of Governments (SCAG) Regional Transportation Plan (RTP) / Sustainable Communities Strategy (SCS).

E.1 Does the Project or Plan apply one the City's efficiency-based impact thresholds (i.e. VMT per capita, VMT per employee, or VMT per service population) as discussed in **Section 2.2.3** of the TAG?

☑ Yes ☐ No

E.2 If the Answer to **E.1 is YES**, does the Project or Plan result in a significant VMT impact?

☐ **Yes** ☑ No ☐ N/A

E.3 If the Answer to **E.1 is NO**, does the Project result in a net increase in VMT?

☐ **Yes** ☐ No ☑ N/A

If the Answer to **E.2 or E.3 is NO**, then the Project or Plan is shown to align with the long-term VMT and GHG reduction goals of SCAG's RTP/SCS.

E.4 If the Answer to **E.2 or E.3 is YES**, then further evaluation would be necessary to determine whether such a project or land use plan would be shown to be consistent with VMT and GHG reduction goals of the SCAG RTP/SCS. For the purpose of making a finding that a project is consistent with the GHG reduction targets forecasted in the SCAG RTP/SCS, the project analyst should consult **Section 2.2.4** of the Transportation Assessment Guidelines (TAG). **Section 2.2.4** provides the methodology for evaluating a land use project's cumulative impacts to VMT, and the appropriate reliance on SCAG's most recently adopted RTP/SCS in reaching that conclusion.

The analysis methods therein can further support findings that the project is consistent with the general use designation, density, building intensity, and applicable policies specified for the project area in either a sustainable communities strategy or an alternative planning strategy for which the State Air Resources Board, pursuant to Section 65080(b)(2)(H) of the Government Code, has accepted a metropolitan planning organization's determination that the sustainable communities strategy or the alternative planning strategy would, if implemented, achieve the greenhouse gas emission reduction targets.

References

BOE Street Standard Dimensions S-470-1
http://eng2.lacity.org/techdocs/stdplans/s-400/S-470-1_20151021_150849.pdf

LADCP Citywide Design Guidelines,
https://planning.lacity.org/odocument/f6608be7-d5fe-4187-bea6-20618eec5049/Citywide_Design_Guidelines.pdf

LADOT Transportation Assessment Support Map https://arcg.is/fubbD

Mobility Plan 2035
https://planning.lacity.org/odocument/523f2a95-9d72-41d7-aba5-1972f84c1d36/Mobility_Plan_2035.pdf

SCAG. Connect SoCal, 2020-2045 RTP/SCS, https://www.connectsocal.org/Pages/default.aspx

ATTACHMENT D.1: CITY PLAN, POLICIES AND GUIDELINES

The Transportation Element of the City's General Plan, Mobility Plan 2035, established the "Complete Streets Design Guide" as the City's document to guide the operations and design of streets and other public rights-of-way. It lays out a vision for designing safer, more vibrant streets that are accessible to people, no matter what their mode choice. As a living document, it is intended to be frequently updated as City departments identify and implement street standards and experiment with different configurations to promote complete streets. The guide is meant to be a toolkit that provides numerous examples of what is possible in the public right-of-way and that provides guidance on context-sensitive design.

The Plan for A Healthy Los Angeles (March 2015) includes policies directing several City departments to develop plans that promote active transportation and safety.

The City of Los Angeles Community Plans, which make up the Land Use Element of the City's General Plan, guide the physical development of neighborhoods by establishing the goals and policies for land use. The 35 Community Plans provide specific, neighborhood-level detail for land uses and the transportation network, relevant policies, and implementation strategies necessary to achieve General Plan and community-specific objectives.

The stated goal of Vision Zero is to eliminate traffic-related deaths in Los Angeles by 2025 through a number of strategies, including modifying the design of streets to increase the safety of vulnerable road users. Extensive crash data analysis is conducted on an ongoing basis to prioritize intersections and corridors for implementation of projects that will have the greatest effect on overall fatality reduction. The City designs and deploys Vision Zero Corridor Plans as part of the implementation of Vision Zero. If a project is proposed whose site lies on the High Injury Network (HIN), the applicant should consult with LADOT to inform the project's site plan and to determine appropriate improvements, whether by funding their implementation in full or by making a contribution toward their implementation.

The Citywide Design Guidelines (October 24, 2019) includes sections relevant to development projects where improvements are proposed within the public realm. Specifically, Guidelines one through three provide building design strategies that support the pedestrian experience. The Guidelines provide best practices in designing that apply in three spatial categories of site planning, building design and public right of way. The Guidelines should be followed to ensure that the project design supports pedestrian safety, access and comfort as they access to and from the building and the immediate public right of way.

The City's Transportation Demand Management (TDM) Ordinance (LA Municipal Code 12.26.J) requires certain projects to incorporate strategies that reduce drive-alone vehicle trips and improve access to destinations and services. The ordinance is revised and updated periodically and should be reviewed for application to specific projects as they are reviewed.

The City's LAMC Section 12.37 (Waivers of Dedication and Improvement) requires certain projects to dedicate and/or implement improvements within the public right-of-way to meet the street designation standards of the Mobility Plan 2035.

The Bureau of Engineering (BOE) Street Standard Dimensions S-470-1 provides the specific street widths and public right of way dimensions associated with the City's street standards.

Appendix D

VMT Analysis Worksheets

CITY OF LOS ANGELES VMT CALCULATOR Version 1.5

Project Screening Criteria: Is this project required to conduct a vehicle miles traveled analysis?

Project Information

Project: Residential at ROW DTLA

Scenario: Full Build

Address: 747 S ALAMEDA ST. 90021



Is the project replacing an existing number of residential units with a smaller number of residential units AND is located within one-half mile of a fixed-rail or fixed-guideway transit station?

● Yes ● No

Existing Land Use

Land Use Type	Value	Unit
Housing | Single Family		DU

Click here to add a single custom land use type (will be included in the above list)

Proposed Project Land Use

Land Use Type	Value	Unit
Retail | High-Turnover Sit-Down Restaurant	6.547	ksf
Housing | Multi-Family	886	DU
Housing | Affordable Housing - Family	114	DU
Retail | High-Turnover Sit-Down Restaurant	6.547	ksf

Click here to add a single custom land use type (will be included in the above list)

Project Screening Summary

Existing Land Use	Proposed Project
0 Daily Vehicle Trips	4,676 Daily Vehicle Trips
0 Daily VMT	30,560 Daily VMT

Tier 1 Screening Criteria

Project will have less residential units compared to existing residential units & is within one-half mile of a fixed-rail station. ☐

Tier 2 Screening Criteria

The net increase in daily trips < 250 trips	4,676 Net Daily Trips
The net increase in daily VMT ≤ 0	30,560 Net Daily VMT
The proposed project consists of only retail land uses ≤ 50,000 square feet total.	6.547 ksf

The proposed project is required to perform VMT analysis.

Measuring the Miles

12/16/2024

CITY OF LOS ANGELES VMT CALCULATOR Version 1.5

Project Information

Project: Residential at ROW DTLA
Scenario: Full Build
Address: 747 S ALAMEDA ST, 90021



Proposed Project Land Use Type	Value	Unit
Housing | Multi-Family	886	DU
Housing | Affordable Housing - Family	114	DU
Retail | High-Turnover Sit-Down Restaurant	6.547	ksf

TDM Strategies

Select each section to show individual strategies
Use ☑ to denote if the TDM strategy is part of the proposed project or is a mitigation strategy

	Proposed Project	With Mitigation
Max Home Based TDM Achieved?	**No**	**No**
Max Work Based TDM Achieved?	**No**	**No**

- **A** Parking
- **B** Transit
- **C** Education & Encouragement
- **D** Commute Trip Reductions
- **E** Shared Mobility
- **F** Bicycle Infrastructure

Implement/Improve On-street Bicycle Facility — Select Proposed Prj or Mitigation to include this strategy
☐ Proposed Prj ☐ Mitigation

Include Bike Parking Per LAMC — Select Proposed Prj or Mitigation to include this strategy
☑ Proposed Prj ☐ Mitigation

Include Secure Bike Parking and Showers — Select Proposed Prj or Mitigation to include this strategy
☐ Proposed Prj ☐ Mitigation

- **G** Neighborhood Enhancement

Analysis Results

Proposed Project	With Mitigation
4,648 Daily Vehicle Trips	**4,648** Daily Vehicle Trips
30,369 Daily VMT	**30,369** Daily VMT
5.2 Household VMT per Capita	**5.2** Household VMT per Capita
N/A Work VMT per Employee	**N/A** Work VMT per Employee

Significant VMT Impact?

Proposed Project	With Mitigation
Household: No Threshold = 6.0 15% Below APC	**Household: No** Threshold = 6.0 15% Below APC
Work: N/A Threshold = 7.6 15% Below APC	**Work: N/A** Threshold = 7.6 15% Below APC

Measuring the Miles

12/10/2024

CITY OF LOS ANGELES VMT CALCULATOR

Report 1: Project & Analysis Overview

Date: December 10, 2024
Project Name: Residential at ROW DTLA
Project Scenario: Full Build
Project Address: 747 S ALAMEDA ST, 90021

Version 1.5

Project Information			
Land Use Type		Value	Units
Housing	Single Family	0	DU
	Multi Family	886	DU
	Townhouse	0	DU
	Hotel	0	Rooms
	Motel	0	Rooms
Affordable Housing	Family	114	DU
	Senior	0	DU
	Special Needs	0	DU
	Permanent Supportive	0	DU
Retail	General Retail	0.000	ksf
	Furniture Store	0.000	ksf
	Pharmacy/Drugstore	0.000	ksf
	Supermarket	0.000	ksf
	Bank	0.000	ksf
	Health Club	0.000	ksf
	High-Turnover Sit-Down Restaurant	6.547	ksf
	Fast-Food Restaurant	0.000	ksf
	Quality Restaurant	0.000	ksf
	Auto Repair	0.000	ksf
	Home Improvement	0.000	ksf
	Free-Standing Discount	0.000	ksf
	Movie Theater	0	Seats
Office	General Office	0.000	ksf
	Medical Office	0.000	ksf
Industrial	Light Industrial	0.000	ksf
	Manufacturing	0.000	ksf
	Warehousing/Self-Storage	0.000	ksf
School	University	0	Students
	High School	0	Students
	Middle School	0	Students
	Elementary	0	Students
	Private School (K-12)	0	Students
Other		0	Trips

CITY OF LOS ANGELES VMT CALCULATOR

Report 1: Project & Analysis Overview

Date: December 10, 2024
Project Name: Residential at ROW DTLA
Project Scenario: Full Build
Project Address: 747 S ALAMEDA ST, 90021

Version 1.5

Analysis Results			
Total Employees: 26 Total Population: 2,354			
Proposed Project		***With Mitigation***	
4,648	Daily Vehicle Trips	4,648	Daily Vehicle Trips
30,369	Daily VMT	30,369	Daily VMT
5.2	Household VMT per Capita	5.2	Household VMT per Capita
N/A	Work VMT per Employee	N/A	Work VMT per Employee

Significant VMT Impact?			
APC: Central			
Impact Threshold: 15% Below APC Average Household = 6.0 Work = 7.6			
Proposed Project		***With Mitigation***	
VMT Threshold	**Impact**	**VMT Threshold**	**Impact**
Household > 6.0 Work > 7.6	No N/A	Household > 6.0 Work > 7.6	No N/A

TDM Strategy Inputs

Strategy Type		Description	Proposed Project	Mitigations
Parking	Reduce parking supply	City code parking provision (spaces)	0	0
		Actual parking provision (spaces)	0	0
	Unbundle parking	Monthly cost for parking ($)	$0	$0
	Parking cash-out	Employees eligible (%)	0%	0%
	Price workplace parking	Daily parking charge ($)	$0.00	$0.00
		Employees subject to priced parking (%)	0%	0%
	Residential area parking permits	Cost of annual permit ($)	$0	$0

(cont. on following page)

TDM Strategy Inputs, Cont.

Strategy Type		Description	Proposed Project	Mitigations
Transit	Reduce transit headways	Reduction in headways (increase in frequency) (%)	0%	0%
		Existing transit mode share (as a percent of total daily trips) (%)	0%	0%
		Lines within project site improved (<50%, >=50%)	0	0
	Implement neighborhood shuttle	Degree of implementation (low, medium, high)	0	0
		Employees and residents eligible (%)	0%	0%
	Transit subsidies	Employees and residents eligible (%)	0%	0%
		Amount of transit subsidy per passenger (daily equivalent) ($)	$0.00	$0.00
Education & Encouragement	Voluntary travel behavior change program	Employees and residents participating (%)	0%	0%
	Promotions and marketing	Employees and residents participating (%)	0%	0%

(cont. on following page)

TDM Strategy Inputs, Cont.

Strategy Type		Description	Proposed Project	Mitigations
Commute Trip Reductions	Required commute trip reduction program	Employees participating (%)	0%	0%
	Alternative Work Schedules and Telecommute	Employees participating (%)	0%	0%
		Type of program	0	0
	Employer sponsored vanpool or shuttle	Degree of implementation (low, medium, high)	0	0
		Employees eligible (%)	0%	0%
		Employer size (small, medium, large)	0	0
	Ride-share program	Employees eligible (%)	0%	0%
Shared Mobility	Car share	Car share project setting (Urban, Suburban, All Other)	0	0
	Bike share	Within 600 feet of existing bike share station - OR- implementing new bike share station (Yes/No)	0	0
	School carpool program	Level of implementation (Low, Medium, High)	0	0

(cont. on following page)

TDM Strategy Inputs, Cont.

Strategy Type		Description	Proposed Project	Mitigations
Bicycle Infrastructure	*Implement/improve on-street bicycle facility*	*Provide bicycle facility along site (Yes/No)*	*0*	*0*
	Include Bike parking per LAMC	Meets City Bike Parking Code (Yes/No)	Yes	Yes
	Include secure bike parking and showers	*Includes indoor bike parking/lockers, showers, & repair station (Yes/No)*	*0*	*0*
Neighborhood Enhancement	*Traffic calming improvements*	*Streets with traffic calming improvements (%)*	*0%*	*0%*
		Intersections with traffic calming improvements (%)	*0%*	*0%*
	Pedestrian network improvements	*Included (within project and connecting off-site/within project only)*	*0*	*0*

CITY OF LOS ANGELES VMT CALCULATOR

Report 3: TDM Outputs

Date: December 10, 2024
Project Name: Residential at ROW DTLA
Project Scenario: Full Build
Project Address: 747 S ALAMEDA ST, 90021

Version 1.5

TDM Adjustments by Trip Purpose & Strategy

Place type: Compact Infill

		Home Based Work Production		*Home Based Work Attraction*		*Home Based Other Production*		*Home Based Other Attraction*		*Non-Home Based Other Production*		*Non-Home Based Other Attraction*		*Source*
		Proposed	Mitigated	Proposed	Mitigated	Proposed	Mitigated	Proposed	Mitigated	Proposed	Mitigated	Proposed	Mitigated	
Parking	Reduce parking supply	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	TDM Strategy Appendix, Parking sections 1 - 5
	Unbundle parking	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	
	Parking cash-out	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	
	Price workplace parking	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	
	Residential area parking permits	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
Transit	Reduce transit headways	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	TDM Strategy Appendix, Transit sections 1 - 3
	Implement neighborhood shuttle	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	
	Transit subsidies	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	
Education & Encouragement	Voluntary travel behavior change program	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	TDM Strategy Appendix, Education & Encouragement sections 1 - 2
	Promotions and marketing	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	
Commute Trip Reductions	Required commute trip reduction program	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	TDM Strategy Appendix, Commute Trip Reductions sections 1 - 4
	Alternative Work Schedules and Telecommute Program	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	
	Employer sponsored vanpool or shuttle	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	
	Ride-share program	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	
Shared Mobility	Car-share	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	TDM Strategy Appendix, Shared Mobility sections 1 - 3
	Bike share	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
	School carpool program	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	

TDM Adjustments by Trip Purpose & Strategy, Cont.

Place type: Compact Infill

		Home Based Work Production		*Home Based Work Attraction*		*Home Based Other Production*		*Home Based Other Attraction*		*Non-Home Based Other Production*		*Non-Home Based Other Attraction*		*Source*
		Proposed	Mitigated	Proposed	Mitigated	Proposed	Mitigated	Proposed	Mitigated	Proposed	Mitigated	Proposed	Mitigated	
Bicycle Infrastructure	Implement/ improve on-street bicycle facility	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	TDM Strategy Appendix, Bicycle Infrastructure sections 1 - 3
	Include Bike parking per LAMC	0.6%	0.6%	0.6%	0.6%	0.6%	0.6%	0.6%	0.6%	0.6%	0.6%	0.6%	0.6%	
	Include secure bike parking and showers	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	
Neighborhood Enhancement	Traffic calming improvements	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	TDM Strategy Appendix, Neighborhood Enhancement sections 1 - 2
	Pedestrian network improvements	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	

Final Combined & Maximum TDM Effect

	Home Based Work Production		*Home Based Work Attraction*		*Home Based Other Production*		*Home Based Other Attraction*		*Non-Home Based Other Production*		*Non-Home Based Other Attraction*	
	Proposed	Mitigated	Proposed	Mitigated	Proposed	Mitigated	Proposed	Mitigated	Proposed	Mitigated	Proposed	Mitigated
COMBINED TOTAL	*1%*	*1%*	*1%*	*1%*	*1%*	*1%*	*1%*	*1%*	*1%*	*1%*	*1%*	*1%*
MAX. TDM EFFECT	*1%*	*1%*	*1%*	*1%*	*1%*	*1%*	*1%*	*1%*	*1%*	*1%*	*1%*	*1%*

= Minimum (X%, 1-[(1-A)*(1-B)…])
where X%=

PLACE TYPE MAX:	*urban*	*75%*
	compact infill	*40%*
	suburban center	*20%*
	suburban	*15%*

Note: (1-[(1-A)*(1-B)…]) reflects the dampened combined effectiveness of TDM Strategies (e.g., A, B,…). See the TDM Strategy Appendix (*Transportation Assessment Guidelines Attachment G)* for further discussion of dampening.

CITY OF LOS ANGELES VMT CALCULATOR

Report 4: MXD Methodology

Date: December 10, 2024
Project Name: Residential at ROW DTLA
Project Scenario: Full Build
Project Address: 747 S ALAMEDA ST, 90021

Version 1.5

MXD Methodology - Project Without TDM

	Unadjusted Trips	MXD Adjustment	MXD Trips	Average Trip Length	Unadjusted VMT	MXD VMT
Home Based Work Production	890	-28.3%	638	7.2	6,408	4,594
Home Based Other Production	2,466	-38.6%	1,515	5.1	12,577	7,727
Non-Home Based Other Production	1,272	-6.1%	1,194	7.8	9,922	9,313
Home-Based Work Attraction	38	-60.5%	15	8.4	319	126
Home-Based Other Attraction	1,453	-35.0%	945	6.5	9,445	6,143
Non-Home Based Other Attraction	400	-7.8%	369	7.2	2,880	2,657

MXD Methodology with TDM Measures

	Proposed Project			*Project with Mitigation Measures*		
	TDM Adjustment	Project Trips	Project VMT	TDM Adjustment	Mitigated Trips	Mitigated VMT
Home Based Work Production	-0.6%	634	4,565	-0.6%	634	4,565
Home Based Other Production	-0.6%	1,506	7,679	-0.6%	1,506	7,679
Non-Home Based Other Production	-0.6%	1,187	9,255	-0.6%	1,187	9,255
Home-Based Work Attraction	-0.6%	15	125	-0.6%	15	125
Home-Based Other Attraction	-0.6%	939	6,105	-0.6%	939	6,105
Non-Home Based Other Attraction	-0.6%	367	2,640	-0.6%	367	2,640

MXD VMT Methodology Per Capita & Per Employee

Total Population: 2,354
Total Employees: 26
APC: Central

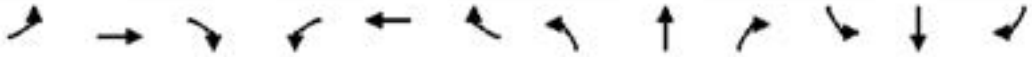
	Proposed Project	*Project with Mitigation Measures*
Total Home Based Production VMT	**12,244**	**12,244**
Total Home Based Work Attraction VMT	**125**	**125**
Total Home Based VMT Per Capita	**5.2**	**5.2**
Total Work Based VMT Per Employee	**N/A**	**N/A**

Appendix E

HCM Analysis Worksheets

HCM 6th Signalized Intersection Summary
1: Central Ave & 7th St

12/12/2024



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	25	166	35	168	823	97	62	320	123	22	505	124
Future Volume (veh/h)	25	166	35	168	823	97	62	320	123	22	505	124
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No			No			No			No	
Adj Sat Flow, veh/h/ln	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870
Adj Flow Rate, veh/h	27	180	38	183	895	105	67	348	134	24	549	135
Peak Hour Factor	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	135	1026	212	436	1121	131	395	1356	514	73	1448	348
Arrive On Green	0.35	0.35	0.35	0.35	0.35	0.35	0.54	0.54	0.54	0.54	0.54	0.54
Sat Flow, veh/h	563	2932	606	1163	3204	376	757	2521	955	58	2691	647
Grp Volume(v), veh/h	27	108	110	183	496	504	67	244	238	377	0	331
Grp Sat Flow(s),veh/h/ln	563	1777	1761	1163	1777	1803	757	1777	1699	1810	0	1585
Q Serve(g_s), s	4.1	3.8	3.9	11.7	22.7	22.7	5.1	6.6	6.8	0.0	0.0	11.0
Cycle Q Clear(g_c), s	26.8	3.8	3.9	15.6	22.7	22.7	16.1	6.6	6.8	10.5	0.0	11.0
Prop In Lane	1.00		0.34	1.00		0.21	1.00		0.56	0.06		0.41
Lane Grp Cap(c), veh/h	135	621	616	436	621	631	395	956	914	1016	0	853
V/C Ratio(X)	0.20	0.17	0.18	0.42	0.80	0.80	0.17	0.25	0.26	0.37	0.00	0.39
Avail Cap(c_a), veh/h	194	807	800	558	807	819	395	956	914	1016	0	853
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00
Uniform Delay (d), s/veh	38.5	20.3	20.3	25.7	26.4	26.4	16.8	11.1	11.2	12.0	0.0	12.1
Incr Delay (d2), s/veh	0.7	0.1	0.1	0.6	4.3	4.3	0.9	0.6	0.7	1.0	0.0	1.3
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(95%),veh/ln	1.1	2.8	2.9	5.8	15.1	15.3	1.7	4.7	4.6	7.8	0.0	7.1
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	39.2	20.4	20.4	26.3	30.7	30.7	17.7	11.8	11.9	13.1	0.0	13.5
LnGrp LOS	D	C	C	C	C	C	B	B	B	B	A	B
Approach Vol, veh/h		245			1183			549			708	
Approach Delay, s/veh		22.5			30.0			12.5			13.3	
Approach LOS		C			C			B			B	

Timer - Assigned Phs		2		4		6		8				
Phs Duration (G+Y+Rc), s		53.4		36.6		53.4		36.6				
Change Period (Y+Rc), s		* 5		5.1		* 5		5.1				
Max Green Setting (Gmax), s		* 39		40.9		* 39		40.9				
Max Q Clear Time (g_c+I1), s		13.0		24.7		18.1		28.8				
Green Ext Time (p_c), s		4.9		6.8		3.4		1.1				

Intersection Summary	
HCM 6th Ctrl Delay	21.3
HCM 6th LOS	C

Notes

* HCM 6th computational engine requires equal clearance times for the phases crossing the barrier.

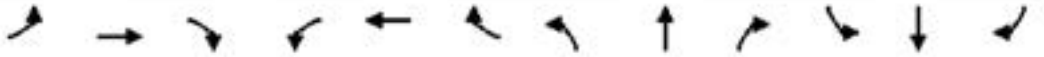
Intersection	
Int Delay, s/veh	0

Movement	EBT	EBR	WBL	WBT	NBL	NBR
Lane Configurations	↑↑			↑↑		↱
Traffic Vol, veh/h	313	1	1	1082	1	4
Future Vol, veh/h	313	1	1	1082	1	4
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Stop	Stop
RT Channelized	-	None	-	None	-	None
Storage Length	-	-	-	-	-	0
Veh in Median Storage, #	0	-	-	0	0	-
Grade, %	0	-	-	0	0	-
Peak Hour Factor	92	92	92	92	92	92
Heavy Vehicles, %	2	2	2	2	2	2
Mvmt Flow	340	1	1	1176	1	4

Major/Minor	Major1		Major2		Minor1	
Conflicting Flow All	0	0	341	0	931	171
Stage 1	-	-	-	-	341	-
Stage 2	-	-	-	-	590	-
Critical Hdwy	-	-	4.14	-	6.84	6.94
Critical Hdwy Stg 1	-	-	-	-	5.84	-
Critical Hdwy Stg 2	-	-	-	-	5.84	-
Follow-up Hdwy	-	-	2.22	-	3.52	3.32
Pot Cap-1 Maneuver	-	-	1215	-	266	843
Stage 1	-	-	-	-	692	-
Stage 2	-	-	-	-	517	-
Platoon blocked, %	-	-		-		
Mov Cap-1 Maneuver	-	-	1215	-	265	843
Mov Cap-2 Maneuver	-	-	-	-	265	-
Stage 1	-	-	-	-	692	-
Stage 2	-	-	-	-	516	-

Approach	EB	WB	NB
HCM Control Delay, s	0	0	9.3
HCM LOS			A

Minor Lane/Major Mvmt	NBLn1	EBT	EBR	WBL	WBT
Capacity (veh/h)	843	-	-	1215	-
HCM Lane V/C Ratio	0.005	-	-	0.001	-
HCM Control Delay (s)	9.3	-	-	8	-
HCM Lane LOS	A	-	-	A	-
HCM 95th %tile Q(veh)	0	-	-	0	-



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	87	179	41	87	748	83	100	554	59	52	723	227
Future Volume (veh/h)	87	179	41	87	748	83	100	554	59	52	723	227
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No			No			No			No	
Adj Sat Flow, veh/h/ln	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870
Adj Flow Rate, veh/h	95	195	45	95	813	90	109	602	64	57	786	247
Peak Hour Factor	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	120	867	196	364	971	108	289	1385	147	444	1505	473
Arrive On Green	0.30	0.30	0.30	0.30	0.30	0.30	0.43	0.43	0.43	0.08	0.57	0.57
Sat Flow, veh/h	617	2880	650	1140	3226	357	546	3241	344	1781	2661	836
Grp Volume(v), veh/h	95	119	121	95	448	455	109	330	336	57	525	508
Grp Sat Flow(s),veh/h/ln	617	1777	1753	1140	1777	1806	546	1777	1808	1781	1777	1720
Q Serve(g_s), s	5.9	4.5	4.7	6.1	21.2	21.2	13.8	11.7	11.8	1.4	16.4	16.4
Cycle Q Clear(g_c), s	27.1	4.5	4.7	10.8	21.2	21.2	17.8	11.7	11.8	1.4	16.4	16.4
Prop In Lane	1.00		0.37	1.00		0.20	1.00		0.19	1.00		0.49
Lane Grp Cap(c), veh/h	120	535	528	364	535	544	289	759	773	444	1005	973
V/C Ratio(X)	0.79	0.22	0.23	0.26	0.84	0.84	0.38	0.43	0.44	0.13	0.52	0.52
Avail Cap(c_a), veh/h	120	535	528	364	535	544	289	759	773	526	1005	973
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	1.00	0.80	0.80	0.80	1.00	1.00	1.00
Uniform Delay (d), s/veh	43.7	23.6	23.6	27.7	29.4	29.4	21.4	18.1	18.1	11.6	12.1	12.1
Incr Delay (d2), s/veh	28.6	0.2	0.2	0.4	11.2	11.0	3.0	1.4	1.4	0.1	1.9	2.0
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(95%),veh/ln	5.5	3.4	3.5	3.0	15.7	15.8	3.5	8.2	8.3	1.0	10.6	10.4
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	72.4	23.8	23.8	28.1	40.5	40.4	24.4	19.6	19.6	11.7	14.0	14.1
LnGrp LOS	E	C	C	C	D	D	C	B	B	B	B	B
Approach Vol, veh/h		335			998			775			1090	
Approach Delay, s/veh		37.6			39.3			20.2			13.9	
Approach LOS		D			D			C			B	

Timer - Assigned Phs		2		4	5	6		8				
Phs Duration (G+Y+Rc), s		56.6		33.4	12.4	44.2		33.4				
Change Period (Y+Rc), s		* 5.7		* 6.3	5.6	* 5.7		* 6.3				
Max Green Setting (Gmax), s		* 51		* 27	11.0	* 34		* 27				
Max Q Clear Time (g_c+I1), s		18.4		23.2	3.4	19.8		29.1				
Green Ext Time (p_c), s		8.4		2.1	0.1	4.7		0.0				

Intersection Summary	
HCM 6th Ctrl Delay	25.8
HCM 6th LOS	C

Notes

* HCM 6th computational engine requires equal clearance times for the phases crossing the barrier.



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	28	0	21	37	0	32	88	622	72	36	615	249
Future Volume (veh/h)	28	0	21	37	0	32	88	622	72	36	615	249
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No			No			No			No	
Adj Sat Flow, veh/h/ln	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870
Adj Flow Rate, veh/h	30	0	23	40	0	35	96	676	78	39	668	271
Peak Hour Factor	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	536	0	477	110	0	96	280	1213	140	207	782	349
Arrive On Green	0.30	0.00	0.30	0.12	0.00	0.12	0.03	0.12	0.12	0.07	0.07	0.07
Sat Flow, veh/h	1781	0	1585	898	0	786	1781	3211	370	710	3554	1585
Grp Volume(v), veh/h	30	0	23	75	0	0	96	374	380	39	668	271
Grp Sat Flow(s),veh/h/ln	1781	0	1585	1684	0	0	1781	1777	1804	710	1777	1585
Q Serve(g_s), s	1.1	0.0	0.9	3.7	0.0	0.0	3.5	17.8	17.8	4.7	16.7	15.1
Cycle Q Clear(g_c), s	1.1	0.0	0.9	3.7	0.0	0.0	3.5	17.8	17.8	8.4	16.7	15.1
Prop In Lane	1.00		1.00	0.53		0.47	1.00		0.21	1.00		1.00
Lane Grp Cap(c), veh/h	536	0	477	206	0	0	280	671	681	207	782	349
V/C Ratio(X)	0.06	0.00	0.05	0.36	0.00	0.00	0.34	0.56	0.56	0.19	0.85	0.78
Avail Cap(c_a), veh/h	536	0	477	206	0	0	280	671	681	207	782	349
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	0.33	0.33	0.33	0.33	0.33	0.33
Upstream Filter(I)	1.00	0.00	1.00	1.00	0.00	0.00	0.95	0.95	0.95	0.85	0.85	0.85
Uniform Delay (d), s/veh	22.4	0.0	22.3	36.3	0.0	0.0	24.6	32.3	32.3	38.2	40.3	39.6
Incr Delay (d2), s/veh	0.2	0.0	0.2	4.9	0.0	0.0	3.1	3.2	3.1	1.7	10.0	13.5
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(95%),veh/ln	0.9	0.0	0.7	3.2	0.0	0.0	3.1	13.8	14.0	1.8	13.5	11.9
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	22.6	0.0	22.5	41.2	0.0	0.0	27.8	35.5	35.4	39.9	50.3	53.1
LnGrp LOS	C	A	C	D	A	A	C	D	D	D	D	D
Approach Vol, veh/h		53			75			850			978	
Approach Delay, s/veh		22.5			41.2			34.6			50.6	
Approach LOS		C			D			C			D	

Timer - Assigned Phs	1	2		4		6		8				
Phs Duration (G+Y+Rc), s	14.2	25.6		17.0		39.8		33.2				
Change Period (Y+Rc), s	5.1	* 5.8		6.0		* 5.8		6.1				
Max Green Setting (Gmax), s		* 20		11.0		* 34		27.1				
Max Q Clear Time (g_c+I1), s	5.5	18.7		5.7		19.8		3.1				
Green Ext Time (p_c), s	0.1	0.8		0.2		6.3		0.2				

Intersection Summary	
HCM 6th Ctrl Delay	42.5
HCM 6th LOS	D

Notes

* HCM 6th computational engine requires equal clearance times for the phases crossing the barrier.



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	10	1	15	96	4	57	28	714	104	47	694	1
Future Volume (veh/h)	10	1	15	96	4	57	28	714	104	47	694	1
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No			No			No			No	
Adj Sat Flow, veh/h/ln	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870
Adj Flow Rate, veh/h	11	1	16	104	4	62	30	776	113	51	754	1
Peak Hour Factor	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	246	19	209	186	14	78	603	2298	335	538	2689	4
Arrive On Green	0.14	0.14	0.14	0.14	0.14	0.14	0.98	0.98	0.98	1.00	1.00	1.00
Sat Flow, veh/h	1170	132	1442	839	94	535	709	3112	453	625	3642	5
Grp Volume(v), veh/h	12	0	16	170	0	0	30	443	446	51	368	387
Grp Sat Flow(s),veh/h/ln	1302	0	1442	1468	0	0	709	1777	1789	625	1777	1869
Q Serve(g_s), s	0.0	0.0	0.9	9.2	0.0	0.0	0.1	0.6	0.6	0.1	0.0	0.0
Cycle Q Clear(g_c), s	0.6	0.0	0.9	10.1	0.0	0.0	0.1	0.6	0.6	0.7	0.0	0.0
Prop In Lane	0.92		1.00	0.61		0.36	1.00		0.25	1.00		0.00
Lane Grp Cap(c), veh/h	265	0	209	277	0	0	603	1312	1321	538	1312	1380
V/C Ratio(X)	0.05	0.00	0.08	0.61	0.00	0.00	0.05	0.34	0.34	0.09	0.28	0.28
Avail Cap(c_a), veh/h	766	0	737	815	0	0	603	1312	1321	538	1312	1380
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.33	1.33	1.33	2.00	2.00	2.00
Upstream Filter(I)	1.00	0.00	1.00	1.00	0.00	0.00	0.87	0.87	0.87	0.45	0.45	0.45
Uniform Delay (d), s/veh	33.2	0.0	33.3	37.2	0.0	0.0	0.2	0.2	0.2	0.0	0.0	0.0
Incr Delay (d2), s/veh	0.1	0.0	0.2	2.2	0.0	0.0	0.1	0.6	0.6	0.2	0.2	0.2
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(95%),veh/ln	0.4	0.0	0.6	6.7	0.0	0.0	0.1	0.6	0.6	0.0	0.2	0.2
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	33.2	0.0	33.4	39.4	0.0	0.0	0.3	0.8	0.8	0.2	0.2	0.2
LnGrp LOS	C	A	C	D	A	A	A	A	A	A	A	A
Approach Vol, veh/h		28			170			919			806	
Approach Delay, s/veh		33.3			39.4			0.8			0.2	
Approach LOS		C			D			A			A	

Timer - Assigned Phs	2		4		6		8	
Phs Duration (G+Y+Rc), s	71.4		18.6		71.4		18.6	
Change Period (Y+Rc), s	* 4.9		5.6		* 4.9		5.6	
Max Green Setting (Gmax), s	* 34		46.0		* 34		46.0	
Max Q Clear Time (g_c+I1), s	2.7		12.1		2.6		2.9	
Green Ext Time (p_c), s	14.5		1.1		14.1		0.1	

Intersection Summary	
HCM 6th Ctrl Delay	4.5
HCM 6th LOS	A

Notes

* HCM 6th computational engine requires equal clearance times for the phases crossing the barrier.



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	70	497	54	205	1057	104	109	528	83	64	492	122
Future Volume (veh/h)	70	497	54	205	1057	104	109	528	83	64	492	122
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No			No			No			No	
Adj Sat Flow, veh/h/ln	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870
Adj Flow Rate, veh/h	76	540	59	223	1149	113	118	574	90	70	535	0
Peak Hour Factor	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	149	1469	160	362	1485	146	330	1303	204	304	1504	
Arrive On Green	0.45	0.45	0.45	0.45	0.45	0.45	0.42	0.42	0.42	0.14	0.14	0.00
Sat Flow, veh/h	439	3232	352	820	3268	321	870	3079	481	772	3554	1585
Grp Volume(v), veh/h	76	296	303	223	624	638	118	331	333	70	535	0
Grp Sat Flow(s),veh/h/ln	439	1777	1807	820	1777	1813	870	1777	1784	772	1777	1585
Q Serve(g_s), s	14.2	9.8	9.9	22.1	26.6	26.7	10.1	11.9	11.9	7.6	12.3	0.0
Cycle Q Clear(g_c), s	40.9	9.8	9.9	31.9	26.6	26.7	22.3	11.9	11.9	19.5	12.3	0.0
Prop In Lane	1.00		0.19	1.00		0.18	1.00		0.27	1.00		1.00
Lane Grp Cap(c), veh/h	149	807	821	362	807	824	330	752	755	304	1504	
V/C Ratio(X)	0.51	0.37	0.37	0.62	0.77	0.77	0.36	0.44	0.44	0.23	0.36	
Avail Cap(c_a), veh/h	149	807	821	362	807	824	330	752	755	304	1504	
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.33	0.33	0.33
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.97	0.97	0.00
Uniform Delay (d), s/veh	38.5	16.1	16.1	26.6	20.6	20.7	26.5	18.4	18.4	36.3	27.6	0.0
Incr Delay (d2), s/veh	2.8	0.3	0.3	3.1	4.7	4.6	3.0	1.9	1.9	1.7	0.6	0.0
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(95%),veh/ln	3.2	7.0	7.1	7.9	16.9	17.2	4.2	8.8	8.8	3.1	9.8	0.0
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	41.3	16.4	16.4	29.6	25.3	25.3	29.5	20.2	20.3	38.0	28.2	0.0
LnGrp LOS	D	B	B	C	C	C	C	C	C	D	C	
Approach Vol, veh/h		675			1485			782			605	
Approach Delay, s/veh		19.2			26.0			21.7			29.4	
Approach LOS		B			C			C			C	

Timer - Assigned Phs	2	4	6	8
Phs Duration (G+Y+Rc), s	43.6	46.4	43.6	46.4
Change Period (Y+Rc), s	* 5.5	* 5.5	* 5.5	* 5.5
Max Green Setting (Gmax), s	* 38	* 41	* 38	* 41
Max Q Clear Time (g_c+I1), s	21.5	33.9	24.3	42.9
Green Ext Time (p_c), s	3.8	4.9	4.1	0.0

Intersection Summary	
HCM 6th Ctrl Delay	24.3
HCM 6th LOS	C

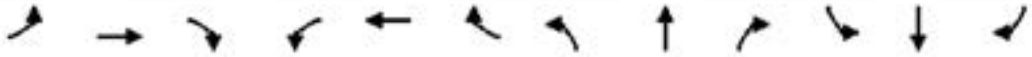
Notes

* HCM 6th computational engine requires equal clearance times for the phases crossing the barrier.

Unsignalized Delay for [SBR] is excluded from calculations of the approach delay and intersection delay.

HCM 6th Signalized Intersection Summary
1: Central Ave & 7th St

12/12/2024



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	60	545	48	133	386	64	38	753	154	30	495	40
Future Volume (veh/h)	60	545	48	133	386	64	38	753	154	30	495	40
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No			No			No			No	
Adj Sat Flow, veh/h/ln	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870
Adj Flow Rate, veh/h	65	592	52	145	420	70	41	818	167	33	538	43
Peak Hour Factor	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	302	1232	108	265	1137	188	417	1514	309	97	1495	119
Arrive On Green	0.37	0.37	0.37	0.12	0.12	0.12	0.52	0.52	0.52	0.52	0.52	0.52
Sat Flow, veh/h	906	3305	290	786	3051	505	833	2939	600	103	2902	232
Grp Volume(v), veh/h	65	318	326	145	243	247	41	495	490	306	0	308
Grp Sat Flow(s),veh/h/ln	906	1777	1818	786	1777	1779	833	1777	1762	1577	0	1660
Q Serve(g_s), s	5.2	12.3	12.3	16.3	11.3	11.5	2.8	16.8	16.8	0.4	0.0	9.9
Cycle Q Clear(g_c), s	16.7	12.3	12.3	28.7	11.3	11.5	12.7	16.8	16.8	17.2	0.0	9.9
Prop In Lane	1.00		0.16	1.00		0.28	1.00		0.34	0.11		0.14
Lane Grp Cap(c), veh/h	302	662	678	265	662	663	417	915	908	857	0	855
V/C Ratio(X)	0.22	0.48	0.48	0.55	0.37	0.37	0.10	0.54	0.54	0.36	0.00	0.36
Avail Cap(c_a), veh/h	376	807	826	329	807	809	417	915	908	857	0	855
HCM Platoon Ratio	1.00	1.00	1.00	0.33	0.33	0.33	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00
Uniform Delay (d), s/veh	27.6	21.6	21.6	43.4	29.7	29.8	16.8	14.7	14.7	12.7	0.0	13.0
Incr Delay (d2), s/veh	0.4	0.5	0.5	1.8	0.3	0.3	0.5	2.3	2.3	1.2	0.0	1.2
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(95%),veh/ln	2.1	8.7	8.9	6.4	9.2	9.3	1.0	11.2	11.2	6.6	0.0	6.8
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	28.0	22.1	22.1	45.1	30.1	30.1	17.2	16.9	17.0	13.8	0.0	14.2
LnGrp LOS	C	C	C	D	C	C	B	B	B	B	A	B
Approach Vol, veh/h		709			635			1026			614	
Approach Delay, s/veh		22.6			33.5			17.0			14.0	
Approach LOS		C			C			B			B	

Timer - Assigned Phs		2		4		6		8				
Phs Duration (G+Y+Rc), s		51.4		38.6		51.4		38.6				
Change Period (Y+Rc), s		* 5		5.1		* 5		5.1				
Max Green Setting (Gmax), s		* 39		40.9		* 39		40.9				
Max Q Clear Time (g_c+I1), s		19.2		30.7		18.8		18.7				
Green Ext Time (p_c), s		4.0		2.9		6.9		4.5				

Intersection Summary												
HCM 6th Ctrl Delay			21.2									
HCM 6th LOS			C									

Notes

* HCM 6th computational engine requires equal clearance times for the phases crossing the barrier.

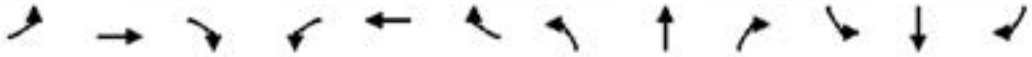
Intersection	
Int Delay, s/veh	0

Movement	EBT	EBR	WBL	WBT	NBL	NBR
Lane Configurations	↑↑			↑↑		↱
Traffic Vol, veh/h	741	0	0	586	0	0
Future Vol, veh/h	741	0	0	586	0	0
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Stop	Stop
RT Channelized	-	None	-	None	-	None
Storage Length	-	-	-	-	-	0
Veh in Median Storage, #	0	-	-	0	0	-
Grade, %	0	-	-	0	0	-
Peak Hour Factor	92	92	92	92	92	92
Heavy Vehicles, %	2	2	2	2	2	2
Mvmt Flow	805	0	0	637	0	0

Major/Minor	Major1		Major2		Minor1	
Conflicting Flow All	0	-	-	-	-	403
Stage 1	-	-	-	-	-	-
Stage 2	-	-	-	-	-	-
Critical Hdwy	-	-	-	-	-	6.94
Critical Hdwy Stg 1	-	-	-	-	-	-
Critical Hdwy Stg 2	-	-	-	-	-	-
Follow-up Hdwy	-	-	-	-	-	3.32
Pot Cap-1 Maneuver	-	0	0	-	0	597
Stage 1	-	0	0	-	0	-
Stage 2	-	0	0	-	0	-
Platoon blocked, %	-			-		
Mov Cap-1 Maneuver	-	-	-	-	-	597
Mov Cap-2 Maneuver	-	-	-	-	-	-
Stage 1	-	-	-	-	-	-
Stage 2	-	-	-	-	-	-

Approach	EB	WB	NB
HCM Control Delay, s	0	0	0
HCM LOS			A

Minor Lane/Major Mvmt	NBLn1	EBT	WBT
Capacity (veh/h)	-	-	-
HCM Lane V/C Ratio	-	-	-
HCM Control Delay (s)	0	-	-
HCM Lane LOS	A	-	-
HCM 95th %tile Q(veh)	-	-	-



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	95	532	110	75	408	89	64	888	56	127	668	87
Future Volume (veh/h)	95	532	110	75	408	89	64	888	56	127	668	87
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No			No			No			No	
Adj Sat Flow, veh/h/ln	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870
Adj Flow Rate, veh/h	103	578	120	82	443	97	70	965	61	138	726	95
Peak Hour Factor	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	231	883	183	176	874	190	351	1380	87	346	1787	234
Arrive On Green	0.30	0.30	0.30	0.30	0.30	0.30	0.41	0.41	0.41	0.10	0.57	0.57
Sat Flow, veh/h	866	2931	607	748	2903	631	666	3394	215	1781	3160	413
Grp Volume(v), veh/h	103	350	348	82	270	270	70	505	521	138	408	413
Grp Sat Flow(s),veh/h/ln	866	1777	1761	748	1777	1757	666	1777	1832	1781	1777	1796
Q Serve(g_s), s	10.0	15.4	15.5	9.7	11.3	11.4	6.3	21.2	21.2	3.6	11.7	11.7
Cycle Q Clear(g_c), s	21.5	15.4	15.5	25.2	11.3	11.4	6.3	21.2	21.2	3.6	11.7	11.7
Prop In Lane	1.00		0.34	1.00		0.36	1.00		0.12	1.00		0.23
Lane Grp Cap(c), veh/h	231	535	530	176	535	529	351	722	745	346	1005	1016
V/C Ratio(X)	0.45	0.65	0.66	0.47	0.50	0.51	0.20	0.70	0.70	0.40	0.41	0.41
Avail Cap(c_a), veh/h	231	535	530	176	535	529	351	722	745	392	1005	1016
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	1.00	0.64	0.64	0.64	1.00	1.00	1.00
Uniform Delay (d), s/veh	34.8	27.4	27.4	38.4	25.9	26.0	17.7	22.1	22.1	15.0	11.0	11.0
Incr Delay (d2), s/veh	1.4	2.8	2.9	1.9	0.8	0.8	0.8	3.6	3.5	0.7	1.2	1.2
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(95%),veh/ln	3.9	11.0	11.0	3.3	8.3	8.4	1.8	13.1	13.5	2.5	8.1	8.1
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	36.2	30.2	30.3	40.3	26.7	26.8	18.5	25.8	25.7	15.7	12.2	12.2
LnGrp LOS	D	C	C	D	C	C	B	C	C	B	B	B
Approach Vol, veh/h		801			622			1096			959	
Approach Delay, s/veh		31.0			28.5			25.2			12.7	
Approach LOS		C			C			C			B	
Timer - Assigned Phs		2		4	5	6		8				
Phs Duration (G+Y+Rc), s		56.6		33.4	14.3	42.3		33.4				
Change Period (Y+Rc), s		* 5.7		* 6.3	5.6	* 5.7		* 6.3				
Max Green Setting (Gmax), s		* 51		* 27	11.0	* 34		* 27				
Max Q Clear Time (g_c+I1), s		13.7		27.2	5.6	23.2		23.5				
Green Ext Time (p_c), s		6.1		0.0	0.1	5.4		1.7				
Intersection Summary												
HCM 6th Ctrl Delay			23.7									
HCM 6th LOS			C									

Notes

* HCM 6th computational engine requires equal clearance times for the phases crossing the barrier.



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	129	0	69	0	0	11	24	869	1	1	766	97
Future Volume (veh/h)	129	0	69	0	0	11	24	869	1	1	766	97
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No			No			No			No	
Adj Sat Flow, veh/h/ln	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870
Adj Flow Rate, veh/h	140	0	75	0	0	12	26	945	1	1	833	105
Peak Hour Factor	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	536	0	477	0	0	194	260	1376	1	175	782	349
Arrive On Green	0.30	0.00	0.30	0.00	0.00	0.12	0.10	0.38	0.38	0.07	0.07	0.07
Sat Flow, veh/h	1781	0	1585	0	0	1585	1781	3643	4	593	3554	1585
Grp Volume(v), veh/h	140	0	75	0	0	12	26	461	485	1	833	105
Grp Sat Flow(s),veh/h/ln	1781	0	1585	0	0	1585	1781	1777	1870	593	1777	1585
Q Serve(g_s), s	5.4	0.0	3.1	0.0	0.0	0.6	0.9	19.6	19.6	0.1	19.8	5.7
Cycle Q Clear(g_c), s	5.4	0.0	3.1	0.0	0.0	0.6	0.9	19.6	19.6	5.6	19.8	5.7
Prop In Lane	1.00		1.00	0.00		1.00	1.00		0.00	1.00		1.00
Lane Grp Cap(c), veh/h	536	0	477	0	0	194	260	671	706	175	782	349
V/C Ratio(X)	0.26	0.00	0.16	0.00	0.00	0.06	0.10	0.69	0.69	0.01	1.07	0.30
Avail Cap(c_a), veh/h	536	0	477	0	0	194	260	671	706	175	782	349
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.33	0.33	0.33
Upstream Filter(I)	1.00	0.00	1.00	0.00	0.00	1.00	0.96	0.96	0.96	0.91	0.91	0.91
Uniform Delay (d), s/veh	23.9	0.0	23.1	0.0	0.0	34.9	22.3	23.5	23.5	37.7	41.7	35.2
Incr Delay (d2), s/veh	1.2	0.0	0.7	0.0	0.0	0.6	0.7	5.4	5.2	0.1	49.7	2.0
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(95%),veh/ln	4.3	0.0	2.2	0.0	0.0	0.5	0.7	13.7	14.2	0.0	21.5	4.4
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	25.0	0.0	23.8	0.0	0.0	35.5	23.1	29.0	28.7	37.8	91.4	37.2
LnGrp LOS	C	A	C	A	A	D	C	C	C	D	F	D
Approach Vol, veh/h		215			12			972			939	
Approach Delay, s/veh		24.6			35.5			28.7			85.3	
Approach LOS		C			D			C			F	

Timer - Assigned Phs	1	2		4		6		8				
Phs Duration (G+Y+Rc), s	14.2	25.6		17.0		39.8		33.2				
Change Period (Y+Rc), s	5.1	* 5.8		6.0		* 5.8		6.1				
Max Green Setting (Gmax), s	9.1	* 20		11.0		* 34		27.1				
Max Q Clear Time (g_c+I1), s	12.9	21.8		2.6		21.6		7.4				
Green Ext Time (p_c), s	0.0	0.0		0.0		7.1		0.9				

Intersection Summary		
HCM 6th Ctrl Delay	53.2	
HCM 6th LOS	D	

Notes

* HCM 6th computational engine requires equal clearance times for the phases crossing the barrier.



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	39	3	82	35	0	33	9	768	20	14	839	5
Future Volume (veh/h)	39	3	82	35	0	33	9	768	20	14	839	5
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No			No			No			No	
Adj Sat Flow, veh/h/ln	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870
Adj Flow Rate, veh/h	42	3	89	38	0	36	10	835	22	15	912	5
Peak Hour Factor	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	210	12	159	99	18	53	551	2733	72	578	2800	15
Arrive On Green	0.11	0.11	0.11	0.11	0.00	0.11	1.00	1.00	1.00	1.00	1.00	1.00
Sat Flow, veh/h	1195	112	1442	345	163	482	609	3537	93	644	3624	20
Grp Volume(v), veh/h	45	0	89	74	0	0	10	419	438	15	447	470
Grp Sat Flow(s),veh/h/ln	1308	0	1442	991	0	0	609	1777	1854	644	1777	1867
Q Serve(g_s), s	0.0	0.0	5.3	2.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cycle Q Clear(g_c), s	2.9	0.0	5.3	7.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Prop In Lane	0.93		1.00	0.51		0.49	1.00		0.05	1.00		0.01
Lane Grp Cap(c), veh/h	222	0	159	170	0	0	551	1373	1432	578	1373	1443
V/C Ratio(X)	0.20	0.00	0.56	0.44	0.00	0.00	0.02	0.31	0.31	0.03	0.33	0.33
Avail Cap(c_a), veh/h	781	0	737	742	0	0	551	1373	1432	578	1373	1443
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	2.00	2.00	2.00	2.00	2.00	2.00
Upstream Filter(I)	1.00	0.00	1.00	1.00	0.00	0.00	0.83	0.83	0.83	0.11	0.11	0.11
Uniform Delay (d), s/veh	36.8	0.0	37.9	38.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Incr Delay (d2), s/veh	0.4	0.0	3.0	1.7	0.0	0.0	0.1	0.5	0.5	0.0	0.1	0.1
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(95%),veh/ln	1.7	0.0	3.5	3.0	0.0	0.0	0.0	0.3	0.3	0.0	0.0	0.0
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	37.3	0.0	41.0	40.7	0.0	0.0	0.1	0.5	0.5	0.0	0.1	0.1
LnGrp LOS	D	A	D	D	A	A	A	A	A	A	A	A
Approach Vol, veh/h		134			74			867			932	
Approach Delay, s/veh		39.7			40.7			0.5			0.1	
Approach LOS		D			D			A			A	

Timer - Assigned Phs	2	4	6	8
Phs Duration (G+Y+Rc), s	74.4	15.6	74.4	15.6
Change Period (Y+Rc), s	* 4.9	5.6	* 4.9	5.6
Max Green Setting (Gmax), s	* 34	46.0	* 34	46.0
Max Q Clear Time (g_c+I1), s	2.0	9.6	2.0	7.3
Green Ext Time (p_c), s	17.2	0.4	13.2	0.8

Intersection Summary	
HCM 6th Ctrl Delay	4.4
HCM 6th LOS	A

Notes

* HCM 6th computational engine requires equal clearance times for the phases crossing the barrier.



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	46	870	32	159	697	56	87	595	163	84	618	144
Future Volume (veh/h)	46	870	32	159	697	56	87	595	163	84	618	144
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No			No			No			No	
Adj Sat Flow, veh/h/ln	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870
Adj Flow Rate, veh/h	50	946	35	173	758	61	95	647	177	91	672	0
Peak Hour Factor	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	276	1588	59	224	1514	122	271	1168	319	244	1504	
Arrive On Green	0.45	0.45	0.45	0.45	0.45	0.45	0.42	0.42	0.42	0.14	0.14	0.00
Sat Flow, veh/h	668	3495	129	574	3331	268	766	2758	754	665	3554	1585
Grp Volume(v), veh/h	50	481	500	173	404	415	95	417	407	91	672	0
Grp Sat Flow(s),veh/h/ln	668	1777	1847	574	1777	1822	766	1777	1735	665	1777	1585
Q Serve(g_s), s	5.1	18.2	18.2	22.7	14.5	14.5	9.6	15.9	15.9	11.9	15.6	0.0
Cycle Q Clear(g_c), s	19.6	18.2	18.2	40.9	14.5	14.5	25.2	15.9	15.9	27.8	15.6	0.0
Prop In Lane	1.00		0.07	1.00		0.15	1.00		0.43	1.00		1.00
Lane Grp Cap(c), veh/h	276	807	839	224	807	828	271	752	734	244	1504	
V/C Ratio(X)	0.18	0.60	0.60	0.77	0.50	0.50	0.35	0.55	0.55	0.37	0.45	
Avail Cap(c_a), veh/h	276	807	839	224	807	828	271	752	734	244	1504	
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.33	0.33	0.33
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.95	0.95	0.00
Uniform Delay (d), s/veh	24.3	18.4	18.4	35.5	17.3	17.3	28.9	19.5	19.6	41.9	29.0	0.0
Incr Delay (d2), s/veh	0.3	1.2	1.1	15.1	0.5	0.5	3.5	2.9	3.0	4.1	0.9	0.0
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(95%),veh/ln	1.5	11.8	12.2	8.3	9.6	9.9	3.6	11.2	11.0	4.3	12.0	0.0
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	24.6	19.6	19.5	50.6	17.8	17.8	32.4	22.5	22.6	46.1	30.0	0.0
LnGrp LOS	C	B	B	D	B	B	C	C	C	D	C	
Approach Vol, veh/h		1031			992			919			763	
Approach Delay, s/veh		19.8			23.5			23.5			31.9	
Approach LOS		B			C			C			C	

Timer - Assigned Phs	2	4	6	8
Phs Duration (G+Y+Rc), s	43.6	46.4	43.6	46.4
Change Period (Y+Rc), s	* 5.5	* 5.5	* 5.5	* 5.5
Max Green Setting (Gmax), s	* 38	* 41	* 38	* 41
Max Q Clear Time (g_c+I1), s	29.8	42.9	27.2	21.6
Green Ext Time (p_c), s	3.3	0.0	4.5	6.9

Intersection Summary	
HCM 6th Ctrl Delay	24.2
HCM 6th LOS	C

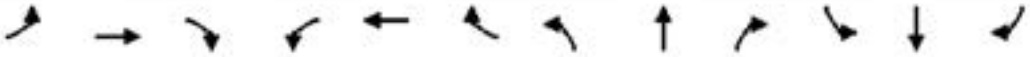
Notes

* HCM 6th computational engine requires equal clearance times for the phases crossing the barrier.

Unsignalized Delay for [SBR] is excluded from calculations of the approach delay and intersection delay.

HCM 6th Signalized Intersection Summary
1: Central Ave & 7th St

12/12/2024



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	25	183	35	168	864	97	62	320	123	22	505	124
Future Volume (veh/h)	25	183	35	168	864	97	62	320	123	22	505	124
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No			No			No			No	
Adj Sat Flow, veh/h/ln	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870
Adj Flow Rate, veh/h	27	199	38	183	939	105	67	348	134	24	549	135
Peak Hour Factor	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	133	1079	202	440	1164	130	384	1327	502	72	1417	341
Arrive On Green	0.36	0.36	0.36	0.36	0.36	0.36	0.53	0.53	0.53	0.53	0.53	0.53
Sat Flow, veh/h	540	2987	560	1143	3222	360	757	2521	955	57	2692	648
Grp Volume(v), veh/h	27	117	120	183	518	526	67	244	238	377	0	331
Grp Sat Flow(s),veh/h/ln	540	1777	1770	1143	1777	1806	757	1777	1699	1811	0	1585
Q Serve(g_s), s	4.3	4.0	4.2	11.8	23.6	23.6	5.2	6.8	7.0	0.0	0.0	11.2
Cycle Q Clear(g_c), s	27.9	4.0	4.2	15.9	23.6	23.6	16.5	6.8	7.0	10.8	0.0	11.2
Prop In Lane	1.00		0.32	1.00		0.20	1.00		0.56	0.06		0.41
Lane Grp Cap(c), veh/h	133	642	640	440	642	653	384	935	894	996	0	835
V/C Ratio(X)	0.20	0.18	0.19	0.42	0.81	0.81	0.17	0.26	0.27	0.38	0.00	0.40
Avail Cap(c_a), veh/h	184	807	804	546	807	821	384	935	894	996	0	835
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00
Uniform Delay (d), s/veh	38.5	19.6	19.7	25.1	25.9	25.9	17.7	11.7	11.7	12.6	0.0	12.8
Incr Delay (d2), s/veh	0.7	0.1	0.1	0.6	4.8	4.8	1.0	0.7	0.7	1.1	0.0	1.4
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(95%),veh/ln	1.1	3.0	3.1	5.7	15.7	15.9	1.8	4.9	4.8	8.0	0.0	7.3
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	39.2	19.8	19.8	25.8	30.7	30.7	18.7	12.4	12.5	13.7	0.0	14.2
LnGrp LOS	D	B	B	C	C	C	B	B	B	B	A	B
Approach Vol, veh/h		264			1227			549			708	
Approach Delay, s/veh		21.8			30.0			13.2			13.9	
Approach LOS		C			C			B			B	

Timer - Assigned Phs		2		4		6		8				
Phs Duration (G+Y+Rc), s		52.4		37.6		52.4		37.6				
Change Period (Y+Rc), s		* 5		5.1		* 5		5.1				
Max Green Setting (Gmax), s		* 39		40.9		* 39		40.9				
Max Q Clear Time (g_c+I1), s		13.2		25.6		18.5		29.9				
Green Ext Time (p_c), s		4.9		6.9		3.4		1.2				

Intersection Summary												
HCM 6th Ctrl Delay			21.7									
HCM 6th LOS			C									

Notes

* HCM 6th computational engine requires equal clearance times for the phases crossing the barrier.

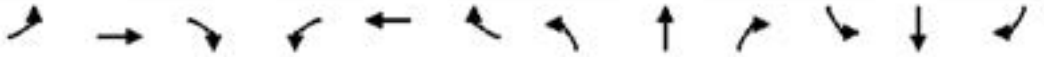
Intersection	
Int Delay, s/veh	0.8

Movement	EBT	EBR	WBL	WBT	NBL	NBR
Lane Configurations	↑↑			↑↑		↱
Traffic Vol, veh/h	330	1	1	1123	1	116
Future Vol, veh/h	330	1	1	1123	1	116
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Stop	Stop
RT Channelized	-	None	-	None	-	None
Storage Length	-	-	-	-	-	0
Veh in Median Storage, #	0	-	-	0	0	-
Grade, %	0	-	-	0	0	-
Peak Hour Factor	92	92	92	92	92	92
Heavy Vehicles, %	2	2	2	2	2	2
Mvmt Flow	359	1	1	1221	1	126

Major/Minor	Major1		Major2		Minor1	
Conflicting Flow All	0	0	360	0	973	180
Stage 1	-	-	-	-	360	-
Stage 2	-	-	-	-	613	-
Critical Hdwy	-	-	4.14	-	6.84	6.94
Critical Hdwy Stg 1	-	-	-	-	5.84	-
Critical Hdwy Stg 2	-	-	-	-	5.84	-
Follow-up Hdwy	-	-	2.22	-	3.52	3.32
Pot Cap-1 Maneuver	-	-	1195	-	250	832
Stage 1	-	-	-	-	677	-
Stage 2	-	-	-	-	503	-
Platoon blocked, %	-	-		-		
Mov Cap-1 Maneuver	-	-	1195	-	249	832
Mov Cap-2 Maneuver	-	-	-	-	249	-
Stage 1	-	-	-	-	677	-
Stage 2	-	-	-	-	501	-

Approach	EB	WB	NB
HCM Control Delay, s	0	0	10.1
HCM LOS			B

Minor Lane/Major Mvmt	NBLn1	EBT	EBR	WBL	WBT
Capacity (veh/h)	832	-	-	1195	-
HCM Lane V/C Ratio	0.152	-	-	0.001	-
HCM Control Delay (s)	10.1	-	-	8	-
HCM Lane LOS	B	-	-	A	-
HCM 95th %tile Q(veh)	0.5	-	-	0	-



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	87	190	159	98	748	83	141	622	75	52	751	227
Future Volume (veh/h)	87	190	159	98	748	83	141	622	75	52	751	227
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No			No			No			No	
Adj Sat Flow, veh/h/ln	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870
Adj Flow Rate, veh/h	95	207	173	107	813	90	153	676	82	57	816	247
Peak Hour Factor	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	120	567	450	290	971	108	280	1364	165	408	1520	460
Arrive On Green	0.30	0.30	0.30	0.30	0.30	0.30	0.43	0.43	0.43	0.08	0.57	0.57
Sat Flow, veh/h	617	1883	1495	1003	3226	357	531	3191	387	1781	2688	813
Grp Volume(v), veh/h	95	195	185	107	448	455	153	376	382	57	539	524
Grp Sat Flow(s),veh/h/ln	617	1777	1601	1003	1777	1806	531	1777	1801	1781	1777	1724
Q Serve(g_s), s	5.9	7.7	8.2	8.5	21.2	21.2	22.7	13.8	13.9	1.4	17.0	17.1
Cycle Q Clear(g_c), s	27.1	7.7	8.2	16.7	21.2	21.2	27.4	13.8	13.9	1.4	17.0	17.1
Prop In Lane	1.00		0.93	1.00		0.20	1.00		0.21	1.00		0.47
Lane Grp Cap(c), veh/h	120	535	482	290	535	544	280	759	770	408	1005	975
V/C Ratio(X)	0.79	0.36	0.38	0.37	0.84	0.84	0.55	0.50	0.50	0.14	0.54	0.54
Avail Cap(c_a), veh/h	120	535	482	290	535	544	280	759	770	491	1005	975
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	1.00	0.80	0.80	0.80	1.00	1.00	1.00
Uniform Delay (d), s/veh	43.7	24.7	24.9	31.5	29.4	29.4	24.6	18.7	18.7	12.0	12.2	12.2
Incr Delay (d2), s/veh	28.6	0.4	0.5	0.8	11.2	11.0	6.0	1.8	1.8	0.2	2.1	2.1
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(95%),veh/ln	5.5	5.8	5.6	3.8	15.7	15.8	5.8	9.4	9.5	1.0	11.0	10.8
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	72.4	25.1	25.4	32.2	40.5	40.4	30.7	20.6	20.6	12.1	14.2	14.3
LnGrp LOS	E	C	C	C	D	D	C	C	C	B	B	B
Approach Vol, veh/h		475			1010			911			1120	
Approach Delay, s/veh		34.7			39.6			22.3			14.2	
Approach LOS		C			D			C			B	

Timer - Assigned Phs		2		4	5	6		8				
Phs Duration (G+Y+Rc), s		56.6		33.4	12.4	44.2		33.4				
Change Period (Y+Rc), s		* 5.7		* 6.3	5.6	* 5.7		* 6.3				
Max Green Setting (Gmax), s		* 51		* 27	11.0	* 34		* 27				
Max Q Clear Time (g_c+I1), s		19.1		23.2	3.4	29.4		29.1				
Green Ext Time (p_c), s		8.7		2.2	0.1	2.7		0.0				

Intersection Summary												
HCM 6th Ctrl Delay			26.3									
HCM 6th LOS			C									

Notes

* HCM 6th computational engine requires equal clearance times for the phases crossing the barrier.



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	108	0	101	37	0	32	115	622	72	81	700	276
Future Volume (veh/h)	108	0	101	37	0	32	115	622	72	81	700	276
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No			No			No			No	
Adj Sat Flow, veh/h/ln	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870
Adj Flow Rate, veh/h	117	0	110	40	0	35	125	676	78	88	761	300
Peak Hour Factor	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	536	0	477	110	0	96	263	1213	140	207	782	349
Arrive On Green	0.30	0.00	0.30	0.12	0.00	0.12	0.03	0.12	0.12	0.07	0.07	0.07
Sat Flow, veh/h	1781	0	1585	898	0	786	1781	3211	370	710	3554	1585
Grp Volume(v), veh/h	117	0	110	75	0	0	125	374	380	88	761	300
Grp Sat Flow(s),veh/h/ln	1781	0	1585	1684	0	0	1781	1777	1804	710	1777	1585
Q Serve(g_s), s	4.4	0.0	4.7	3.7	0.0	0.0	4.6	17.8	17.8	10.9	19.2	16.8
Cycle Q Clear(g_c), s	4.4	0.0	4.7	3.7	0.0	0.0	4.6	17.8	17.8	14.6	19.2	16.8
Prop In Lane	1.00		1.00	0.53		0.47	1.00		0.21	1.00		1.00
Lane Grp Cap(c), veh/h	536	0	477	206	0	0	263	671	681	207	782	349
V/C Ratio(X)	0.22	0.00	0.23	0.36	0.00	0.00	0.47	0.56	0.56	0.42	0.97	0.86
Avail Cap(c_a), veh/h	536	0	477	206	0	0	263	671	681	207	782	349
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	0.33	0.33	0.33	0.33	0.33	0.33
Upstream Filter(I)	1.00	0.00	1.00	1.00	0.00	0.00	0.94	0.94	0.94	0.83	0.83	0.83
Uniform Delay (d), s/veh	23.5	0.0	23.6	36.3	0.0	0.0	25.3	32.3	32.3	41.1	41.5	40.4
Incr Delay (d2), s/veh	0.9	0.0	1.1	4.9	0.0	0.0	5.7	3.1	3.1	5.2	23.6	20.0
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(95%),veh/ln	3.5	0.0	3.4	3.2	0.0	0.0	4.3	13.8	13.9	4.3	16.8	13.5
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	24.5	0.0	24.7	41.2	0.0	0.0	31.0	35.4	35.4	46.3	65.0	60.4
LnGrp LOS	C	A	C	D	A	A	C	D	D	D	E	E
Approach Vol, veh/h		227			75			879			1149	
Approach Delay, s/veh		24.6			41.2			34.8			62.4	
Approach LOS		C			D			C			E	

Timer - Assigned Phs	1	2		4		6		8				
Phs Duration (G+Y+Rc), s	14.2	25.6		17.0		39.8		33.2				
Change Period (Y+Rc), s	5.1	* 5.8		6.0		* 5.8		6.1				
Max Green Setting (Gmax), s	9.1	* 20		11.0		* 34		27.1				
Max Q Clear Time (g_c+I1), s	6.6	21.2		5.7		19.8		6.7				
Green Ext Time (p_c), s	0.1	0.0		0.2		6.3		0.9				

Intersection Summary	
HCM 6th Ctrl Delay	47.6
HCM 6th LOS	D

Notes

* HCM 6th computational engine requires equal clearance times for the phases crossing the barrier.



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	10	1	15	96	4	57	57	741	104	47	830	30
Future Volume (veh/h)	10	1	15	96	4	57	57	741	104	47	830	30
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No			No			No			No	
Adj Sat Flow, veh/h/ln	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870
Adj Flow Rate, veh/h	11	1	16	104	4	62	62	805	113	51	902	33
Peak Hour Factor	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	246	19	209	186	14	78	522	2311	324	525	2582	94
Arrive On Green	0.14	0.14	0.14	0.14	0.14	0.14	0.98	0.98	0.98	1.00	1.00	1.00
Sat Flow, veh/h	1170	132	1442	839	94	535	599	3129	439	609	3496	128
Grp Volume(v), veh/h	12	0	16	170	0	0	62	457	461	51	458	477
Grp Sat Flow(s),veh/h/ln	1302	0	1442	1468	0	0	599	1777	1791	609	1777	1847
Q Serve(g_s), s	0.0	0.0	0.9	9.2	0.0	0.0	0.2	0.6	0.6	0.1	0.0	0.0
Cycle Q Clear(g_c), s	0.6	0.0	0.9	10.1	0.0	0.0	0.2	0.6	0.6	0.7	0.0	0.0
Prop In Lane	0.92		1.00	0.61		0.36	1.00		0.25	1.00		0.07
Lane Grp Cap(c), veh/h	265	0	209	277	0	0	522	1312	1323	525	1312	1364
V/C Ratio(X)	0.05	0.00	0.08	0.61	0.00	0.00	0.12	0.35	0.35	0.10	0.35	0.35
Avail Cap(c_a), veh/h	766	0	737	815	0	0	522	1312	1323	525	1312	1364
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.33	1.33	1.33	2.00	2.00	2.00
Upstream Filter(I)	1.00	0.00	1.00	1.00	0.00	0.00	0.83	0.83	0.83	0.36	0.36	0.36
Uniform Delay (d), s/veh	33.2	0.0	33.3	37.2	0.0	0.0	0.2	0.2	0.2	0.0	0.0	0.0
Incr Delay (d2), s/veh	0.1	0.0	0.2	2.2	0.0	0.0	0.4	0.6	0.6	0.1	0.3	0.3
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(95%),veh/ln	0.4	0.0	0.6	6.7	0.0	0.0	0.1	0.6	0.6	0.0	0.2	0.2
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	33.2	0.0	33.4	39.4	0.0	0.0	0.6	0.8	0.8	0.1	0.3	0.3
LnGrp LOS	C	A	C	D	A	A	A	A	A	A	A	A
Approach Vol, veh/h		28			170			980			986	
Approach Delay, s/veh		33.3			39.4			0.8			0.3	
Approach LOS		C			D			A			A	

Timer - Assigned Phs	2	4	6	8
Phs Duration (G+Y+Rc), s	71.4	18.6	71.4	18.6
Change Period (Y+Rc), s	* 4.9	5.6	* 4.9	5.6
Max Green Setting (Gmax), s	* 34	46.0	* 34	46.0
Max Q Clear Time (g_c+I1), s	2.7	12.1	2.6	2.9
Green Ext Time (p_c), s	18.0	1.1	15.3	0.1

Intersection Summary	
HCM 6th Ctrl Delay	4.0
HCM 6th LOS	A

Notes

* HCM 6th computational engine requires equal clearance times for the phases crossing the barrier.



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	81	497	54	205	1057	121	109	556	83	105	560	149
Future Volume (veh/h)	81	497	54	205	1057	121	109	556	83	105	560	149
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No			No			No			No	
Adj Sat Flow, veh/h/ln	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870
Adj Flow Rate, veh/h	88	540	59	223	1149	132	118	604	90	114	609	0
Peak Hour Factor	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	145	1469	160	362	1460	167	297	1314	195	293	1504	
Arrive On Green	0.45	0.45	0.45	0.45	0.45	0.45	0.42	0.42	0.42	0.14	0.14	0.00
Sat Flow, veh/h	432	3232	352	820	3213	368	812	3103	461	750	3554	1585
Grp Volume(v), veh/h	88	296	303	223	634	647	118	345	349	114	609	0
Grp Sat Flow(s),veh/h/ln	432	1777	1807	820	1777	1804	812	1777	1787	750	1777	1585
Q Serve(g_s), s	13.5	9.8	9.9	22.1	27.3	27.4	11.2	12.5	12.6	13.0	14.1	0.0
Cycle Q Clear(g_c), s	40.9	9.8	9.9	31.9	27.3	27.4	25.3	12.5	12.6	25.6	14.1	0.0
Prop In Lane	1.00		0.19	1.00		0.20	1.00		0.26	1.00		1.00
Lane Grp Cap(c), veh/h	145	807	821	362	807	820	297	752	757	293	1504	
V/C Ratio(X)	0.61	0.37	0.37	0.62	0.79	0.79	0.40	0.46	0.46	0.39	0.40	
Avail Cap(c_a), veh/h	145	807	821	362	807	820	297	752	757	293	1504	
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.33	0.33	0.33
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.94	0.94	0.00
Uniform Delay (d), s/veh	40.1	16.1	16.1	26.6	20.8	20.9	28.3	18.6	18.6	39.3	28.4	0.0
Incr Delay (d2), s/veh	7.2	0.3	0.3	3.1	5.2	5.2	3.9	2.0	2.0	3.6	0.8	0.0
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(95%),veh/ln	4.0	7.0	7.1	7.9	17.4	17.7	4.4	9.2	9.2	5.2	10.9	0.0
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	47.2	16.4	16.4	29.6	26.0	26.1	32.2	20.6	20.6	43.0	29.1	0.0
LnGrp LOS	D	B	B	C	C	C	C	C	C	D	C	
Approach Vol, veh/h		687			1504			812			723	
Approach Delay, s/veh		20.3			26.6			22.3			31.3	
Approach LOS		C			C			C			C	

Timer - Assigned Phs	2	4	6	8
Phs Duration (G+Y+Rc), s	43.6	46.4	43.6	46.4
Change Period (Y+Rc), s	* 5.5	* 5.5	* 5.5	* 5.5
Max Green Setting (Gmax), s	* 38	* 41	* 38	* 41
Max Q Clear Time (g_c+I1), s	27.6	33.9	27.3	42.9
Green Ext Time (p_c), s	3.6	4.9	3.8	0.0

Intersection Summary	
HCM 6th Ctrl Delay	25.4
HCM 6th LOS	C

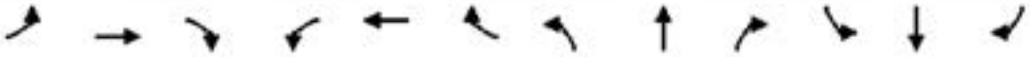
Notes

* HCM 6th computational engine requires equal clearance times for the phases crossing the barrier.

Unsignalized Delay for [SBR] is excluded from calculations of the approach delay and intersection delay.

HCM 6th Signalized Intersection Summary
1: Central Ave & 7th St

12/12/2024



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	60	579	48	133	409	64	38	753	154	30	495	40
Future Volume (veh/h)	60	579	48	133	409	64	38	753	154	30	495	40
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No			No			No			No	
Adj Sat Flow, veh/h/ln	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870
Adj Flow Rate, veh/h	65	629	52	145	445	70	41	818	167	33	538	43
Peak Hour Factor	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	303	1279	106	263	1185	185	405	1478	302	95	1453	117
Arrive On Green	0.38	0.38	0.38	0.13	0.13	0.13	0.50	0.50	0.50	0.50	0.50	0.50
Sat Flow, veh/h	886	3323	274	759	3079	481	833	2939	600	100	2890	232
Grp Volume(v), veh/h	65	336	345	145	256	259	41	495	490	306	0	308
Grp Sat Flow(s),veh/h/ln	886	1777	1821	759	1777	1784	833	1777	1762	1561	0	1660
Q Serve(g_s), s	5.3	12.9	12.9	16.9	11.9	12.0	2.8	17.3	17.3	0.5	0.0	10.2
Cycle Q Clear(g_c), s	17.3	12.9	12.9	29.8	11.9	12.0	13.0	17.3	17.3	17.8	0.0	10.2
Prop In Lane	1.00		0.15	1.00		0.27	1.00		0.34	0.11		0.14
Lane Grp Cap(c), veh/h	303	684	701	263	684	687	405	894	886	829	0	835
V/C Ratio(X)	0.21	0.49	0.49	0.55	0.37	0.38	0.10	0.55	0.55	0.37	0.00	0.37
Avail Cap(c_a), veh/h	364	807	828	316	807	811	405	894	886	829	0	835
HCM Platoon Ratio	1.00	1.00	1.00	0.33	0.33	0.33	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00
Uniform Delay (d), s/veh	27.2	21.0	21.0	43.5	29.3	29.4	17.6	15.4	15.4	13.3	0.0	13.7
Incr Delay (d2), s/veh	0.4	0.5	0.5	1.8	0.3	0.3	0.5	2.5	2.5	1.3	0.0	1.3
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(95%),veh/ln	2.1	9.0	9.2	6.4	9.6	9.7	1.1	11.5	11.5	6.8	0.0	7.0
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	27.6	21.5	21.5	45.3	29.7	29.7	18.1	17.9	17.9	14.6	0.0	14.9
LnGrp LOS	C	C	C	D	C	C	B	B	B	B	A	B
Approach Vol, veh/h		746			660			1026			614	
Approach Delay, s/veh		22.1			33.1			17.9			14.7	
Approach LOS		C			C			B			B	

Timer - Assigned Phs		2		4		6		8				
Phs Duration (G+Y+Rc), s		50.3		39.7		50.3		39.7				
Change Period (Y+Rc), s		* 5		5.1		* 5		5.1				
Max Green Setting (Gmax), s		* 39		40.9		* 39		40.9				
Max Q Clear Time (g_c+I1), s		19.8		31.8		19.3		19.3				
Green Ext Time (p_c), s		3.9		2.8		6.9		4.7				

Intersection Summary												
HCM 6th Ctrl Delay			21.6									
HCM 6th LOS			C									

Notes

* HCM 6th computational engine requires equal clearance times for the phases crossing the barrier.

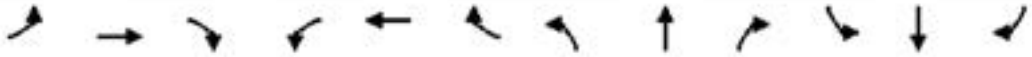
Intersection	
Int Delay, s/veh	0.5

Movement	EBT	EBR	WBL	WBT	NBL	NBR
Lane Configurations	↑↑			↑↑		↱
Traffic Vol, veh/h	775	0	0	609	0	64
Future Vol, veh/h	775	0	0	609	0	64
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Stop	Stop
RT Channelized	-	None	-	None	-	None
Storage Length	-	-	-	-	-	0
Veh in Median Storage, #	0	-	-	0	0	-
Grade, %	0	-	-	0	0	-
Peak Hour Factor	92	92	92	92	92	92
Heavy Vehicles, %	2	2	2	2	2	2
Mvmt Flow	842	0	0	662	0	70

Major/Minor	Major1		Major2		Minor1	
Conflicting Flow All	0	-	-	-	-	421
Stage 1	-	-	-	-	-	-
Stage 2	-	-	-	-	-	-
Critical Hdwy	-	-	-	-	-	6.94
Critical Hdwy Stg 1	-	-	-	-	-	-
Critical Hdwy Stg 2	-	-	-	-	-	-
Follow-up Hdwy	-	-	-	-	-	3.32
Pot Cap-1 Maneuver	-	0	0	-	0	581
Stage 1	-	0	0	-	0	-
Stage 2	-	0	0	-	0	-
Platoon blocked, %	-			-		
Mov Cap-1 Maneuver	-	-	-	-	-	581
Mov Cap-2 Maneuver	-	-	-	-	-	-
Stage 1	-	-	-	-	-	-
Stage 2	-	-	-	-	-	-

Approach	EB	WB	NB
HCM Control Delay, s	0	0	12
HCM LOS			B

Minor Lane/Major Mvmt	NBLn1	EBT	WBT
Capacity (veh/h)	581	-	-
HCM Lane V/C Ratio	0.12	-	-
HCM Control Delay (s)	12	-	-
HCM Lane LOS	B	-	-
HCM 95th %tile Q(veh)	0.4	-	-



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	95	538	201	98	408	89	87	926	65	127	725	87
Future Volume (veh/h)	95	538	201	98	408	89	87	926	65	127	725	87
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No			No			No			No	
Adj Sat Flow, veh/h/ln	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870
Adj Flow Rate, veh/h	103	585	218	107	443	97	95	1007	71	138	788	95
Peak Hour Factor	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	231	763	284	142	874	190	336	1369	96	333	1806	218
Arrive On Green	0.30	0.30	0.30	0.30	0.30	0.30	0.41	0.41	0.41	0.10	0.57	0.57
Sat Flow, veh/h	866	2535	943	678	2903	631	629	3367	237	1781	3193	385
Grp Volume(v), veh/h	103	410	393	107	270	270	95	531	547	138	438	445
Grp Sat Flow(s),veh/h/ln	866	1777	1701	678	1777	1757	629	1777	1828	1781	1777	1801
Q Serve(g_s), s	10.0	18.9	18.9	8.2	11.3	11.4	9.5	22.8	22.8	3.6	12.8	12.8
Cycle Q Clear(g_c), s	21.5	18.9	18.9	27.1	11.3	11.4	9.5	22.8	22.8	3.6	12.8	12.8
Prop In Lane	1.00		0.55	1.00		0.36	1.00		0.13	1.00		0.21
Lane Grp Cap(c), veh/h	231	535	512	142	535	529	336	722	743	333	1005	1019
V/C Ratio(X)	0.45	0.77	0.77	0.76	0.50	0.51	0.28	0.74	0.74	0.41	0.44	0.44
Avail Cap(c_a), veh/h	231	535	512	142	535	529	336	722	743	378	1005	1019
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	1.00	0.64	0.64	0.64	1.00	1.00	1.00
Uniform Delay (d), s/veh	34.8	28.6	28.6	42.6	25.9	26.0	18.7	22.6	22.6	15.6	11.3	11.3
Incr Delay (d2), s/veh	1.4	6.6	6.9	20.4	0.8	0.8	1.3	4.3	4.2	0.8	1.4	1.4
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(95%),veh/ln	3.9	13.6	13.2	5.7	8.3	8.4	2.6	14.1	14.4	2.5	8.7	8.8
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	36.2	35.1	35.5	63.1	26.7	26.8	20.0	26.9	26.8	16.4	12.7	12.6
LnGrp LOS	D	D	D	E	C	C	C	C	C	B	B	B
Approach Vol, veh/h		906			647			1173			1021	
Approach Delay, s/veh		35.4			32.7			26.3			13.2	
Approach LOS		D			C			C			B	

Timer - Assigned Phs		2		4	5	6		8				
Phs Duration (G+Y+Rc), s		56.6		33.4	14.3	42.3		33.4				
Change Period (Y+Rc), s		* 5.7		* 6.3	5.6	* 5.7		* 6.3				
Max Green Setting (Gmax), s		* 51		* 27	11.0	* 34		* 27				
Max Q Clear Time (g_c+I1), s		14.8		29.1	5.6	24.8		23.5				
Green Ext Time (p_c), s		6.7		0.0	0.1	5.2		1.9				

Intersection Summary												
HCM 6th Ctrl Delay			26.0									
HCM 6th LOS			C									

Notes

* HCM 6th computational engine requires equal clearance times for the phases crossing the barrier.



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	172	0	112	0	0	11	73	869	1	27	863	146
Future Volume (veh/h)	172	0	112	0	0	11	73	869	1	27	863	146
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No			No			No			No	
Adj Sat Flow, veh/h/ln	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870
Adj Flow Rate, veh/h	187	0	122	0	0	12	79	945	1	29	938	159
Peak Hour Factor	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	536	0	477	0	0	194	260	1376	1	175	782	349
Arrive On Green	0.30	0.00	0.30	0.00	0.00	0.12	0.10	0.38	0.38	0.07	0.07	0.07
Sat Flow, veh/h	1781	0	1585	0	0	1585	1781	3643	4	593	3554	1585
Grp Volume(v), veh/h	187	0	122	0	0	12	79	461	485	29	938	159
Grp Sat Flow(s),veh/h/ln	1781	0	1585	0	0	1585	1781	1777	1870	593	1777	1585
Q Serve(g_s), s	7.4	0.0	5.2	0.0	0.0	0.6	2.7	19.6	19.6	4.2	19.8	8.7
Cycle Q Clear(g_c), s	7.4	0.0	5.2	0.0	0.0	0.6	2.7	19.6	19.6	9.7	19.8	8.7
Prop In Lane	1.00		1.00	0.00		1.00	1.00		0.00	1.00		1.00
Lane Grp Cap(c), veh/h	536	0	477	0	0	194	260	671	706	175	782	349
V/C Ratio(X)	0.35	0.00	0.26	0.00	0.00	0.06	0.30	0.69	0.69	0.17	1.20	0.46
Avail Cap(c_a), veh/h	536	0	477	0	0	194	260	671	706	175	782	349
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.33	0.33	0.33
Upstream Filter(I)	1.00	0.00	1.00	0.00	0.00	1.00	0.95	0.95	0.95	0.85	0.85	0.85
Uniform Delay (d), s/veh	24.6	0.0	23.8	0.0	0.0	34.9	22.9	23.5	23.5	39.6	41.7	36.6
Incr Delay (d2), s/veh	1.8	0.0	1.3	0.0	0.0	0.6	2.8	5.4	5.1	1.7	100.4	3.6
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(95%),veh/ln	6.0	0.0	3.8	0.0	0.0	0.5	2.4	13.6	14.2	1.3	29.8	6.9
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	26.3	0.0	25.1	0.0	0.0	35.5	25.8	28.9	28.6	41.4	142.2	40.2
LnGrp LOS	C	A	C	A	A	D	C	C	C	D	F	D
Approach Vol, veh/h		309			12			1025			1126	
Approach Delay, s/veh		25.9			35.5			28.5			125.2	
Approach LOS		C			D			C			F	

Timer - Assigned Phs	1	2		4		6		8				
Phs Duration (G+Y+Rc), s	14.2	25.6		17.0		39.8		33.2				
Change Period (Y+Rc), s	5.1	* 5.8		6.0		* 5.8		6.1				
Max Green Setting (Gmax), s	9.1	* 20		11.0		* 34		27.1				
Max Q Clear Time (g_c+I1), s	7.7	21.8		2.6		21.6		9.4				
Green Ext Time (p_c), s	0.1	0.0		0.0		7.1		1.4				

Intersection Summary	
HCM 6th Ctrl Delay	72.3
HCM 6th LOS	E

Notes

* HCM 6th computational engine requires equal clearance times for the phases crossing the barrier.



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	39	3	82	35	0	33	74	817	20	14	914	70
Future Volume (veh/h)	39	3	82	35	0	33	74	817	20	14	914	70
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No			No			No			No	
Adj Sat Flow, veh/h/ln	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870
Adj Flow Rate, veh/h	42	3	89	38	0	36	80	888	22	15	993	76
Peak Hour Factor	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	210	12	159	99	18	53	488	2738	68	554	2585	198
Arrive On Green	0.11	0.11	0.11	0.11	0.00	0.11	1.00	1.00	1.00	1.00	1.00	1.00
Sat Flow, veh/h	1195	112	1442	345	163	482	528	3544	88	613	3345	256
Grp Volume(v), veh/h	45	0	89	74	0	0	80	445	465	15	527	542
Grp Sat Flow(s),veh/h/ln	1308	0	1442	991	0	0	528	1777	1855	613	1777	1824
Q Serve(g_s), s	0.0	0.0	5.3	2.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cycle Q Clear(g_c), s	2.9	0.0	5.3	7.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Prop In Lane	0.93		1.00	0.51		0.49	1.00		0.05	1.00		0.14
Lane Grp Cap(c), veh/h	222	0	159	170	0	0	488	1373	1433	554	1373	1410
V/C Ratio(X)	0.20	0.00	0.56	0.44	0.00	0.00	0.16	0.32	0.32	0.03	0.38	0.38
Avail Cap(c_a), veh/h	781	0	737	742	0	0	488	1373	1433	554	1373	1410
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	2.00	2.00	2.00	2.00	2.00	2.00
Upstream Filter(I)	1.00	0.00	1.00	1.00	0.00	0.00	0.79	0.79	0.79	0.09	0.09	0.09
Uniform Delay (d), s/veh	36.8	0.0	37.9	38.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Incr Delay (d2), s/veh	0.4	0.0	3.0	1.7	0.0	0.0	0.6	0.5	0.5	0.0	0.1	0.1
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(95%),veh/ln	1.7	0.0	3.5	3.0	0.0	0.0	0.1	0.3	0.3	0.0	0.1	0.1
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	37.3	0.0	41.0	40.7	0.0	0.0	0.6	0.5	0.5	0.0	0.1	0.1
LnGrp LOS	D	A	D	D	A	A	A	A	A	A	A	A
Approach Vol, veh/h		134			74			990			1084	
Approach Delay, s/veh		39.7			40.7			0.5			0.1	
Approach LOS		D			D			A			A	

Timer - Assigned Phs	2		4		6		8	
Phs Duration (G+Y+Rc), s	74.4		15.6		74.4		15.6	
Change Period (Y+Rc), s	* 4.9		5.6		* 4.9		5.6	
Max Green Setting (Gmax), s	* 34		46.0		* 34		46.0	
Max Q Clear Time (g_c+I1), s	2.0		9.6		2.0		7.3	
Green Ext Time (p_c), s	20.2		0.4		15.8		0.8	

Intersection Summary		
HCM 6th Ctrl Delay		3.9
HCM 6th LOS		A

Notes

* HCM 6th computational engine requires equal clearance times for the phases crossing the barrier.



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	69	870	32	159	697	90	87	652	163	107	656	159
Future Volume (veh/h)	69	870	32	159	697	90	87	652	163	107	656	159
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No			No			No			No	
Adj Sat Flow, veh/h/ln	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870
Adj Flow Rate, veh/h	75	946	35	173	758	98	95	709	177	116	713	0
Peak Hour Factor	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	262	1588	59	224	1438	186	256	1193	298	224	1504	
Arrive On Green	0.45	0.45	0.45	0.45	0.45	0.45	0.42	0.42	0.42	0.14	0.14	0.00
Sat Flow, veh/h	645	3495	129	574	3165	409	737	2817	703	627	3554	1585
Grp Volume(v), veh/h	75	481	500	173	425	431	95	447	439	116	713	0
Grp Sat Flow(s),veh/h/ln	645	1777	1847	574	1777	1797	737	1777	1744	627	1777	1585
Q Serve(g_s), s	8.5	18.2	18.2	22.7	15.5	15.5	10.1	17.4	17.5	16.4	16.6	0.0
Cycle Q Clear(g_c), s	24.0	18.2	18.2	40.9	15.5	15.5	26.8	17.4	17.5	33.8	16.6	0.0
Prop In Lane	1.00		0.07	1.00		0.23	1.00		0.40	1.00		1.00
Lane Grp Cap(c), veh/h	262	807	839	224	807	817	256	752	738	224	1504	
V/C Ratio(X)	0.29	0.60	0.60	0.77	0.53	0.53	0.37	0.59	0.59	0.52	0.47	
Avail Cap(c_a), veh/h	262	807	839	224	807	817	256	752	738	224	1504	
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.33	0.33	0.33
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.93	0.93	0.00
Uniform Delay (d), s/veh	26.2	18.4	18.4	35.5	17.6	17.6	30.0	20.0	20.0	45.5	29.5	0.0
Incr Delay (d2), s/veh	0.6	1.2	1.1	15.1	0.6	0.6	4.1	3.4	3.5	7.8	1.0	0.0
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(95%),veh/ln	2.4	11.8	12.2	8.3	10.2	10.3	3.7	12.1	12.0	5.8	12.5	0.0
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	26.8	19.6	19.5	50.6	18.3	18.2	34.1	23.4	23.5	53.2	30.5	0.0
LnGrp LOS	C	B	B	D	B	B	C	C	C	D	C	
Approach Vol, veh/h		1056			1029			981			829	
Approach Delay, s/veh		20.1			23.7			24.5			33.7	
Approach LOS		C			C			C			C	

Timer - Assigned Phs	2	4	6	8
Phs Duration (G+Y+Rc), s	43.6	46.4	43.6	46.4
Change Period (Y+Rc), s	* 5.5	* 5.5	* 5.5	* 5.5
Max Green Setting (Gmax), s	* 38	* 41	* 38	* 41
Max Q Clear Time (g_c+I1), s	35.8	42.9	28.8	26.0
Green Ext Time (p_c), s	1.2	0.0	4.3	6.2

Intersection Summary	
HCM 6th Ctrl Delay	25.0
HCM 6th LOS	C

Notes

* HCM 6th computational engine requires equal clearance times for the phases crossing the barrier.

Unsignalized Delay for [SBR] is excluded from calculations of the approach delay and intersection delay.

HCM 6th Signalized Intersection Summary
1: Central Ave & 7th St

12/12/2024

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	27	516	38	182	1075	105	67	347	133	24	547	134
Future Volume (veh/h)	27	516	38	182	1075	105	67	347	133	24	547	134
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No			No			No			No	
Adj Sat Flow, veh/h/ln	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870
Adj Flow Rate, veh/h	29	561	41	198	1168	114	73	377	145	26	595	146
Peak Hour Factor	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	131	1411	103	328	1375	134	304	1178	447	70	1256	302
Arrive On Green	0.42	0.42	0.42	0.56	0.56	0.56	0.47	0.47	0.47	0.47	0.47	0.47
Sat Flow, veh/h	431	3358	245	817	3271	319	718	2520	956	58	2686	646
Grp Volume(v), veh/h	29	296	306	198	634	648	73	264	258	409	0	358
Grp Sat Flow(s),veh/h/ln	431	1777	1826	817	1777	1813	718	1777	1698	1805	0	1586
Q Serve(g_s), s	5.7	10.4	10.5	19.2	26.9	27.1	7.0	8.4	8.6	0.0	0.0	14.0
Cycle Q Clear(g_c), s	32.8	10.4	10.5	29.7	26.9	27.1	21.0	8.4	8.6	13.4	0.0	14.0
Prop In Lane	1.00		0.13	1.00		0.18	1.00		0.56	0.06		0.41
Lane Grp Cap(c), veh/h	131	747	767	328	747	762	304	831	794	886	0	741
V/C Ratio(X)	0.22	0.40	0.40	0.60	0.85	0.85	0.24	0.32	0.32	0.46	0.00	0.48
Avail Cap(c_a), veh/h	146	807	830	356	807	824	304	831	794	886	0	741
HCM Platoon Ratio	1.00	1.00	1.00	1.33	1.33	1.33	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00
Uniform Delay (d), s/veh	37.4	18.2	18.2	22.7	17.4	17.5	23.7	15.0	15.0	16.3	0.0	16.5
Incr Delay (d2), s/veh	0.8	0.3	0.3	2.5	8.0	8.0	1.9	1.0	1.1	1.7	0.0	2.3
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(95%),veh/ln	1.1	7.6	7.7	6.2	15.6	15.9	2.4	6.2	6.1	9.9	0.0	9.1
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	38.3	18.5	18.5	25.2	25.4	25.5	25.6	16.0	16.1	18.0	0.0	18.7
LnGrp LOS	D	B	B	C	C	C	C	B	B	B	A	B
Approach Vol, veh/h		631			1480			595			767	
Approach Delay, s/veh		19.4			25.4			17.2			18.4	
Approach LOS		B			C			B			B	

Timer - Assigned Phs		2		4		6		8				
Phs Duration (G+Y+Rc), s		47.1		42.9		47.1		42.9				
Change Period (Y+Rc), s		* 5		5.1		* 5		5.1				
Max Green Setting (Gmax), s		* 39		40.9		* 39		40.9				
Max Q Clear Time (g_c+I1), s		16.0		31.7		23.0		34.8				
Green Ext Time (p_c), s		5.2		6.2		3.4		2.1				

Intersection Summary	
HCM 6th Ctrl Delay	21.4
HCM 6th LOS	C

Notes

* HCM 6th computational engine requires equal clearance times for the phases crossing the barrier.

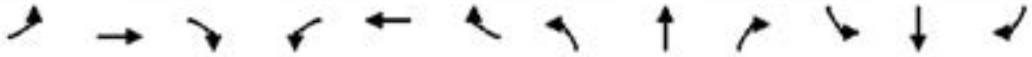
Intersection	
Int Delay, s/veh	0

Movement	EBT	EBR	WBL	WBT	NBL	NBR
Lane Configurations	↑↑			↑↑		↱
Traffic Vol, veh/h	675	1	1	1356	1	4
Future Vol, veh/h	675	1	1	1356	1	4
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Stop	Stop
RT Channelized	-	None	-	None	-	None
Storage Length	-	-	-	-	-	0
Veh in Median Storage, #	0	-	-	0	0	-
Grade, %	0	-	-	0	0	-
Peak Hour Factor	92	92	92	92	92	92
Heavy Vehicles, %	2	2	2	2	2	2
Mvmt Flow	734	1	1	1474	1	4

Major/Minor	Major1		Major2		Minor1	
Conflicting Flow All	0	0	735	0	1474	368
Stage 1	-	-	-	-	735	-
Stage 2	-	-	-	-	739	-
Critical Hdwy	-	-	4.14	-	6.84	6.94
Critical Hdwy Stg 1	-	-	-	-	5.84	-
Critical Hdwy Stg 2	-	-	-	-	5.84	-
Follow-up Hdwy	-	-	2.22	-	3.52	3.32
Pot Cap-1 Maneuver	-	-	866	-	117	629
Stage 1	-	-	-	-	435	-
Stage 2	-	-	-	-	433	-
Platoon blocked, %	-	-		-		
Mov Cap-1 Maneuver	-	-	866	-	116	629
Mov Cap-2 Maneuver	-	-	-	-	116	-
Stage 1	-	-	-	-	435	-
Stage 2	-	-	-	-	430	-

Approach	EB	WB	NB
HCM Control Delay, s	0	0	10.8
HCM LOS			B

Minor Lane/Major Mvmt	NBLn1	EBT	EBR	WBL	WBT
Capacity (veh/h)	629	-	-	866	-
HCM Lane V/C Ratio	0.007	-	-	0.001	-
HCM Control Delay (s)	10.8	-	-	9.2	-
HCM Lane LOS	B	-	-	A	-
HCM 95th %tile Q(veh)	0	-	-	0	-



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	173	406	90	298	915	404	123	1029	460	491	1211	310
Future Volume (veh/h)	173	406	90	298	915	404	123	1029	460	491	1211	310
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No			No			No			No	
Adj Sat Flow, veh/h/ln	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870
Adj Flow Rate, veh/h	188	441	98	324	995	439	134	1118	500	534	1316	337
Peak Hour Factor	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	80	871	192	231	726	315	131	920	398	298	1592	399
Arrive On Green	0.30	0.30	0.30	0.30	0.30	0.30	0.38	0.38	0.38	0.12	0.57	0.57
Sat Flow, veh/h	373	2894	638	866	2412	1047	302	2414	1045	1781	2815	706
Grp Volume(v), veh/h	188	269	270	324	728	706	134	813	805	534	820	833
Grp Sat Flow(s),veh/h/ln	373	1777	1755	866	1777	1682	302	1777	1682	1781	1777	1743
Q Serve(g_s), s	0.0	11.2	11.4	15.7	27.1	27.1	15.2	34.3	34.3	11.0	33.5	35.7
Cycle Q Clear(g_c), s	27.1	11.2	11.4	27.1	27.1	27.1	34.3	34.3	34.3	11.0	33.5	35.7
Prop In Lane	1.00		0.36	1.00		0.62	1.00		0.62	1.00		0.40
Lane Grp Cap(c), veh/h	80	535	529	231	535	506	131	677	641	298	1005	986
V/C Ratio(X)	2.35	0.50	0.51	1.40	1.36	1.39	1.02	1.20	1.26	1.79	0.82	0.84
Avail Cap(c_a), veh/h	80	535	529	231	535	506	131	677	641	298	1005	986
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	1.00	0.09	0.09	0.09	1.00	1.00	1.00
Uniform Delay (d), s/veh	45.0	25.9	26.0	39.9	31.4	31.5	42.1	27.9	27.9	26.5	15.8	16.3
Incr Delay (d2), s/veh	644.4	0.8	0.8	205.0	174.5	188.7	29.9	91.6	116.3	370.3	7.3	8.8
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(95%),veh/ln	29.0	8.3	8.3	29.9	55.8	56.3	5.1	38.7	43.2	57.0	20.4	21.5
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	689.4	26.7	26.8	244.9	206.0	220.1	72.0	119.4	144.2	396.9	23.1	25.1
LnGrp LOS	F	C	C	F	F	F	F	F	F	F	C	C
Approach Vol, veh/h		727			1758			1752			2187	
Approach Delay, s/veh		198.1			218.8			127.2			115.1	
Approach LOS		F			F			F			F	

Timer - Assigned Phs		2		4	5	6		8				
Phs Duration (G+Y+Rc), s		56.6		33.4	16.6	40.0		33.4				
Change Period (Y+Rc), s		* 5.7		* 6.3	5.6	* 5.7		* 6.3				
Max Green Setting (Gmax), s		* 51		* 27	11.0	* 34		* 27				
Max Q Clear Time (g_c+I1), s		37.7		29.1	13.0	36.3		29.1				
Green Ext Time (p_c), s		9.3		0.0	0.0	0.0		0.0				

Intersection Summary		
HCM 6th Ctrl Delay	156.2	
HCM 6th LOS	F	

Notes

* HCM 6th computational engine requires equal clearance times for the phases crossing the barrier.



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	30	0	23	40	0	35	95	1514	78	39	1344	270
Future Volume (veh/h)	30	0	23	40	0	35	95	1514	78	39	1344	270
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No			No			No			No	
Adj Sat Flow, veh/h/ln	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870
Adj Flow Rate, veh/h	33	0	25	43	0	38	103	1646	85	42	1461	293
Peak Hour Factor	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	536	0	477	109	0	97	260	1299	67	80	782	349
Arrive On Green	0.30	0.00	0.30	0.12	0.00	0.12	0.03	0.12	0.12	0.07	0.07	0.07
Sat Flow, veh/h	1781	0	1585	894	0	790	1781	3439	177	280	3554	1585
Grp Volume(v), veh/h	33	0	25	81	0	0	103	846	885	42	1461	293
Grp Sat Flow(s),veh/h/ln	1781	0	1585	1684	0	0	1781	1777	1839	280	1777	1585
Q Serve(g_s), s	1.2	0.0	1.0	4.0	0.0	0.0	3.7	34.0	34.0	0.0	19.8	16.4
Cycle Q Clear(g_c), s	1.2	0.0	1.0	4.0	0.0	0.0	3.7	34.0	34.0	19.8	19.8	16.4
Prop In Lane	1.00		1.00	0.53		0.47	1.00		0.10	1.00		1.00
Lane Grp Cap(c), veh/h	536	0	477	206	0	0	260	671	695	80	782	349
V/C Ratio(X)	0.06	0.00	0.05	0.39	0.00	0.00	0.40	1.26	1.27	0.52	1.87	0.84
Avail Cap(c_a), veh/h	536	0	477	206	0	0	260	671	695	80	782	349
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	0.33	0.33	0.33	0.33	0.33	0.33
Upstream Filter(I)	1.00	0.00	1.00	1.00	0.00	0.00	0.28	0.28	0.28	0.15	0.15	0.15
Uniform Delay (d), s/veh	22.4	0.0	22.3	36.4	0.0	0.0	25.0	39.4	39.4	51.6	41.7	40.2
Incr Delay (d2), s/veh	0.2	0.0	0.2	5.6	0.0	0.0	1.3	120.8	126.5	3.7	391.7	3.9
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(95%),veh/ln	0.9	0.0	0.7	3.5	0.0	0.0	2.8	51.7	55.0	1.8	74.0	9.0
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	22.6	0.0	22.5	42.0	0.0	0.0	26.3	160.2	165.9	55.3	433.4	44.0
LnGrp LOS	C	A	C	D	A	A	C	F	F	E	F	D
Approach Vol, veh/h		58			81			1834			1796	
Approach Delay, s/veh		22.6			42.0			155.4			361.0	
Approach LOS		C			D			F			F	

Timer - Assigned Phs	1	2		4		6		8				
Phs Duration (G+Y+Rc), s	14.2	25.6		17.0		39.8		33.2				
Change Period (Y+Rc), s	5.1	* 5.8		6.0		* 5.8		6.1				
Max Green Setting (Gmax), s	9.1	* 20		11.0		* 34		27.1				
Max Q Clear Time (g_c+I1), s	5.7	21.8		6.0		36.0		3.2				
Green Ext Time (p_c), s	0.1	0.0		0.2		0.0		0.2				

Intersection Summary	
HCM 6th Ctrl Delay	248.9
HCM 6th LOS	F

Notes

* HCM 6th computational engine requires equal clearance times for the phases crossing the barrier.



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	11	1	16	145	4	95	30	1581	256	165	1316	1
Future Volume (veh/h)	11	1	16	145	4	95	30	1581	256	165	1316	1
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No			No			No			No	
Adj Sat Flow, veh/h/ln	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870
Adj Flow Rate, veh/h	12	1	17	158	4	103	33	1718	278	179	1430	1
Peak Hour Factor	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	315	23	312	245	11	122	329	2052	323	224	2431	2
Arrive On Green	0.22	0.22	0.22	0.22	0.22	0.22	1.00	1.00	1.00	1.00	1.00	1.00
Sat Flow, veh/h	1099	108	1442	838	50	565	374	3076	484	216	3644	3
Grp Volume(v), veh/h	13	0	17	265	0	0	33	972	1024	179	697	734
Grp Sat Flow(s),veh/h/ln	1206	0	1442	1453	0	0	374	1777	1783	216	1777	1870
Q Serve(g_s), s	0.0	0.0	0.8	14.9	0.0	0.0	0.0	0.0	0.0	60.0	0.0	0.0
Cycle Q Clear(g_c), s	0.7	0.0	0.8	15.8	0.0	0.0	0.0	0.0	0.0	60.0	0.0	0.0
Prop In Lane	0.92		1.00	0.60		0.39	1.00		0.27	1.00		0.00
Lane Grp Cap(c), veh/h	338	0	312	378	0	0	329	1185	1189	224	1185	1247
V/C Ratio(X)	0.04	0.00	0.05	0.70	0.00	0.00	0.10	0.82	0.86	0.80	0.59	0.59
Avail Cap(c_a), veh/h	727	0	737	811	0	0	329	1185	1189	224	1185	1247
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	2.00	2.00	2.00	2.00	2.00	2.00
Upstream Filter(I)	1.00	0.00	1.00	1.00	0.00	0.00	0.09	0.09	0.09	0.09	0.09	0.09
Uniform Delay (d), s/veh	27.9	0.0	28.0	33.9	0.0	0.0	0.0	0.0	0.0	5.8	0.0	0.0
Incr Delay (d2), s/veh	0.0	0.0	0.1	2.4	0.0	0.0	0.1	0.6	0.8	2.8	0.2	0.2
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(95%),veh/ln	0.4	0.0	0.5	9.6	0.0	0.0	0.0	0.4	0.5	1.0	0.1	0.1
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	27.9	0.0	28.0	36.3	0.0	0.0	0.1	0.6	0.8	8.6	0.2	0.2
LnGrp LOS	C	A	C	D	A	A	A	A	A	A	A	A
Approach Vol, veh/h		30			265			2029			1610	
Approach Delay, s/veh		28.0			36.3			0.7			1.1	
Approach LOS		C			D			A			A	

Timer - Assigned Phs	2	4	6	8
Phs Duration (G+Y+Rc), s	64.9	25.1	64.9	25.1
Change Period (Y+Rc), s	* 4.9	5.6	* 4.9	5.6
Max Green Setting (Gmax), s	* 34	46.0	* 34	46.0
Max Q Clear Time (g_c+I1), s	62.0	17.8	2.0	2.8
Green Ext Time (p_c), s	0.0	1.7	29.6	0.1

Intersection Summary	
HCM 6th Ctrl Delay	3.5
HCM 6th LOS	A

Notes

* HCM 6th computational engine requires equal clearance times for the phases crossing the barrier.



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	333	538	58	222	1145	282	118	1136	90	201	856	273
Future Volume (veh/h)	333	538	58	222	1145	282	118	1136	90	201	856	273
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No			No			No			No	
Adj Sat Flow, veh/h/ln	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870
Adj Flow Rate, veh/h	362	585	63	241	1245	307	128	1235	98	218	930	0
Peak Hour Factor	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	85	1471	158	341	1288	313	212	1412	112	114	1504	
Arrive On Green	0.45	0.45	0.45	0.45	0.45	0.45	0.42	0.42	0.42	0.42	0.42	0.00
Sat Flow, veh/h	333	3237	348	783	2835	689	602	3335	264	411	3554	1585
Grp Volume(v), veh/h	362	321	327	241	773	779	128	657	676	218	930	0
Grp Sat Flow(s),veh/h/ln	333	1777	1808	783	1777	1746	602	1777	1823	411	1777	1585
Q Serve(g_s), s	1.4	10.8	10.9	26.7	37.9	39.5	19.0	30.4	30.6	7.5	18.4	0.0
Cycle Q Clear(g_c), s	40.9	10.8	10.9	37.5	37.9	39.5	37.4	30.4	30.6	38.1	18.4	0.0
Prop In Lane	1.00		0.19	1.00		0.39	1.00		0.14	1.00		1.00
Lane Grp Cap(c), veh/h	85	807	822	341	807	794	212	752	772	114	1504	
V/C Ratio(X)	4.25	0.40	0.40	0.71	0.96	0.98	0.60	0.87	0.88	1.91	0.62	
Avail Cap(c_a), veh/h	85	807	822	341	807	794	212	752	772	114	1504	
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.72	0.72	0.00
Uniform Delay (d), s/veh	45.0	16.3	16.4	28.9	23.7	24.2	34.9	23.7	23.8	43.9	20.3	0.0
Incr Delay (d2), s/veh	1489.0	0.3	0.3	6.5	21.9	27.2	12.2	13.4	13.3	431.6	1.4	0.0
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(95%),veh/ln	66.4	7.7	7.8	9.2	26.9	28.6	6.2	21.1	21.6	28.7	11.4	0.0
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	1534.0	16.7	16.7	35.4	45.7	51.3	47.0	37.1	37.1	475.5	21.7	0.0
LnGrp LOS	F	B	B	D	D	D	D	D	D	F	C	
Approach Vol, veh/h		1010			1793			1461			1148	
Approach Delay, s/veh		560.5			46.7			38.0			107.8	
Approach LOS		F			D			D			F	

Timer - Assigned Phs	2	4	6	8
Phs Duration (G+Y+Rc), s	43.6	46.4	43.6	46.4
Change Period (Y+Rc), s	* 5.5	* 5.5	* 5.5	* 5.5
Max Green Setting (Gmax), s	* 38	* 41	* 38	* 41
Max Q Clear Time (g_c+I1), s	40.1	41.5	39.4	42.9
Green Ext Time (p_c), s	0.0	0.0	0.0	0.0

Intersection Summary	
HCM 6th Ctrl Delay	153.2
HCM 6th LOS	F

Notes

* HCM 6th computational engine requires equal clearance times for the phases crossing the barrier.

Unsignalized Delay for [SBR] is excluded from calculations of the approach delay and intersection delay.

HCM 6th Signalized Intersection Summary
1: Central Ave & 7th St

12/12/2024

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	65	854	52	144	792	69	41	815	167	32	536	43
Future Volume (veh/h)	65	854	52	144	792	69	41	815	167	32	536	43
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No			No			No			No	
Adj Sat Flow, veh/h/ln	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870
Adj Flow Rate, veh/h	71	928	57	157	861	75	45	886	182	35	583	47
Peak Hour Factor	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	207	1545	95	223	1503	131	310	1272	261	74	1177	101
Arrive On Green	0.45	0.45	0.45	0.15	0.15	0.15	0.43	0.43	0.43	0.43	0.43	0.43
Sat Flow, veh/h	598	3401	209	571	3307	288	796	2936	603	68	2715	232
Grp Volume(v), veh/h	71	485	500	157	463	473	45	536	532	329	0	336
Grp Sat Flow(s),veh/h/ln	598	1777	1833	571	1777	1819	796	1777	1762	1355	0	1660
Q Serve(g_s), s	9.5	18.4	18.4	22.5	21.8	21.8	3.8	22.0	22.1	2.1	0.0	13.0
Cycle Q Clear(g_c), s	31.3	18.4	18.4	40.9	21.8	21.8	16.8	22.0	22.1	24.1	0.0	13.0
Prop In Lane	1.00		0.11	1.00		0.16	1.00		0.34	0.11		0.14
Lane Grp Cap(c), veh/h	207	807	833	223	807	826	310	770	763	631	0	719
V/C Ratio(X)	0.34	0.60	0.60	0.71	0.57	0.57	0.14	0.70	0.70	0.52	0.00	0.47
Avail Cap(c_a), veh/h	207	807	833	223	807	826	310	770	763	631	0	719
HCM Platoon Ratio	1.00	1.00	1.00	0.33	0.33	0.33	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00
Uniform Delay (d), s/veh	31.7	18.4	18.4	48.5	30.1	30.1	24.1	20.7	20.7	17.9	0.0	18.1
Incr Delay (d2), s/veh	1.0	1.2	1.2	9.7	1.0	1.0	1.0	5.2	5.2	3.1	0.0	2.2
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(95%),veh/ln	2.5	11.9	12.2	7.8	15.8	16.1	1.4	14.9	14.8	8.7	0.0	8.9
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	32.7	19.7	19.6	58.2	31.1	31.1	25.1	25.9	25.9	20.9	0.0	20.3
LnGrp LOS	C	B	B	E	C	C	C	C	C	C	A	C
Approach Vol, veh/h		1056			1093			1113			665	
Approach Delay, s/veh		20.5			35.0			25.9			20.6	
Approach LOS		C			C			C			C	

Timer - Assigned Phs	2	4	6	8
Phs Duration (G+Y+Rc), s	44.0	46.0	44.0	46.0
Change Period (Y+Rc), s	* 5	5.1	* 5	5.1
Max Green Setting (Gmax), s	* 39	40.9	* 39	40.9
Max Q Clear Time (g_c+I1), s	26.1	42.9	24.1	33.3
Green Ext Time (p_c), s	3.6	0.0	6.6	4.0

Intersection Summary	
HCM 6th Ctrl Delay	26.1
HCM 6th LOS	C

Notes

* HCM 6th computational engine requires equal clearance times for the phases crossing the barrier.

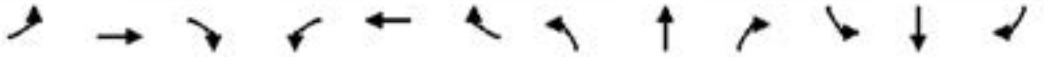
Intersection	
Int Delay, s/veh	0

Movement	EBT	EBR	WBL	WBT	NBL	NBR
Lane Configurations	↑↑			↑↑		↱
Traffic Vol, veh/h	1066	0	0	1009	0	0
Future Vol, veh/h	1066	0	0	1009	0	0
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Stop	Stop
RT Channelized	-	None	-	None	-	None
Storage Length	-	-	-	-	-	0
Veh in Median Storage, #	0	-	-	0	0	-
Grade, %	0	-	-	0	0	-
Peak Hour Factor	92	92	92	92	92	92
Heavy Vehicles, %	2	2	2	2	2	2
Mvmt Flow	1159	0	0	1097	0	0

Major/Minor	Major1		Major2		Minor1	
Conflicting Flow All	0	-	-	-	-	580
Stage 1	-	-	-	-	-	-
Stage 2	-	-	-	-	-	-
Critical Hdwy	-	-	-	-	-	6.94
Critical Hdwy Stg 1	-	-	-	-	-	-
Critical Hdwy Stg 2	-	-	-	-	-	-
Follow-up Hdwy	-	-	-	-	-	3.32
Pot Cap-1 Maneuver	-	0	0	-	0	458
Stage 1	-	0	0	-	0	-
Stage 2	-	0	0	-	0	-
Platoon blocked, %	-			-		
Mov Cap-1 Maneuver	-	-	-	-	-	458
Mov Cap-2 Maneuver	-	-	-	-	-	-
Stage 1	-	-	-	-	-	-
Stage 2	-	-	-	-	-	-

Approach	EB	WB	NB
HCM Control Delay, s	0	0	0
HCM LOS			A

Minor Lane/Major Mvmt	NBLn1	EBT	WBT
Capacity (veh/h)	-	-	-
HCM Lane V/C Ratio	-	-	-
HCM Control Delay (s)	0	-	-
HCM Lane LOS	A	-	-
HCM 95th %tile Q(veh)	-	-	-



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	186	736	140	526	678	605	114	1477	370	560	1233	187
Future Volume (veh/h)	186	736	140	526	678	605	114	1477	370	560	1233	187
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No			No			No			No	
Adj Sat Flow, veh/h/ln	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870
Adj Flow Rate, veh/h	202	800	152	572	737	658	124	1605	402	609	1340	203
Peak Hour Factor	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	80	897	170	106	543	471	157	1083	260	298	1752	263
Arrive On Green	0.30	0.30	0.30	0.30	0.30	0.30	0.38	0.38	0.38	0.12	0.57	0.57
Sat Flow, veh/h	387	2979	566	589	1802	1564	336	2842	683	1781	3098	465
Grp Volume(v), veh/h	202	477	475	572	726	669	124	978	1029	609	763	780
Grp Sat Flow(s),veh/h/ln	387	1777	1768	589	1777	1589	336	1777	1748	1781	1777	1787
Q Serve(g_s), s	0.0	23.1	23.1	4.0	27.1	27.1	20.6	34.3	34.3	11.0	29.5	30.3
Cycle Q Clear(g_c), s	27.1	23.1	23.1	27.1	27.1	27.1	34.3	34.3	34.3	11.0	29.5	30.3
Prop In Lane	1.00		0.32	1.00		0.98	1.00		0.39	1.00		0.26
Lane Grp Cap(c), veh/h	80	535	533	106	535	478	157	677	666	298	1005	1010
V/C Ratio(X)	2.52	0.89	0.89	5.38	1.36	1.40	0.79	1.44	1.55	2.05	0.76	0.77
Avail Cap(c_a), veh/h	80	535	533	106	535	478	157	677	666	298	1005	1010
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	1.00	0.09	0.09	0.09	1.00	1.00	1.00
Uniform Delay (d), s/veh	45.0	30.0	30.0	44.5	31.4	31.5	38.6	27.9	27.9	26.5	14.9	15.1
Incr Delay (d2), s/veh	721.7	17.0	17.1	1993.1	172.9	191.2	3.7	200.5	246.1	482.1	5.4	5.7
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(95%),veh/ln	32.0	17.7	17.7	101.8	55.4	54.0	3.7	69.9	82.1	71.1	17.9	18.4
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	766.7	47.1	47.2	2037.6	204.4	222.6	42.3	228.4	274.0	508.6	20.3	20.8
LnGrp LOS	F	D	D	F	F	F	D	F	F	F	C	C
Approach Vol, veh/h		1154			1967			2131			2152	
Approach Delay, s/veh		173.1			743.7			239.6			158.7	
Approach LOS		F			F			F			F	

Timer - Assigned Phs		2		4	5	6		8				
Phs Duration (G+Y+Rc), s		56.6		33.4	16.6	40.0		33.4				
Change Period (Y+Rc), s		* 5.7		* 6.3	5.6	* 5.7		* 6.3				
Max Green Setting (Gmax), s		* 51		* 27	11.0	* 34		* 27				
Max Q Clear Time (g_c+I1), s		32.3		29.1	13.0	36.3		29.1				
Green Ext Time (p_c), s		11.1		0.0	0.0	0.0		0.0				

Intersection Summary												
HCM 6th Ctrl Delay			339.6									
HCM 6th LOS			F									

Notes

* HCM 6th computational engine requires equal clearance times for the phases crossing the barrier.



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	140	0	75	0	0	12	26	1810	1	1	1805	105
Future Volume (veh/h)	140	0	75	0	0	12	26	1810	1	1	1805	105
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No			No			No			No	
Adj Sat Flow, veh/h/ln	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870
Adj Flow Rate, veh/h	152	0	82	0	0	13	28	1967	1	1	1962	114
Peak Hour Factor	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	536	0	477	0	0	194	260	1377	1	80	782	349
Arrive On Green	0.30	0.00	0.30	0.00	0.00	0.12	0.13	0.50	0.50	0.07	0.07	0.07
Sat Flow, veh/h	1781	0	1585	0	0	1585	1781	3645	2	222	3554	1585
Grp Volume(v), veh/h	152	0	82	0	0	13	28	959	1009	1	1962	114
Grp Sat Flow(s),veh/h/ln	1781	0	1585	0	0	1585	1781	1777	1870	222	1777	1585
Q Serve(g_s), s	5.9	0.0	3.4	0.0	0.0	0.7	0.9	34.0	34.0	0.0	19.8	6.1
Cycle Q Clear(g_c), s	5.9	0.0	3.4	0.0	0.0	0.7	0.9	34.0	34.0	19.8	19.8	6.1
Prop In Lane	1.00		1.00	0.00		1.00	1.00		0.00	1.00		1.00
Lane Grp Cap(c), veh/h	536	0	477	0	0	194	260	671	706	80	782	349
V/C Ratio(X)	0.28	0.00	0.17	0.00	0.00	0.07	0.11	1.43	1.43	0.01	2.51	0.33
Avail Cap(c_a), veh/h	536	0	477	0	0	194	260	671	706	80	782	349
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.33	1.33	1.33	0.33	0.33	0.33
Upstream Filter(I)	1.00	0.00	1.00	0.00	0.00	1.00	0.31	0.31	0.31	0.09	0.09	0.09
Uniform Delay (d), s/veh	24.0	0.0	23.2	0.0	0.0	35.0	21.5	22.4	22.4	51.6	41.7	35.4
Incr Delay (d2), s/veh	1.3	0.0	0.8	0.0	0.0	0.7	0.3	195.5	195.5	0.0	679.6	0.2
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(95%),veh/ln	4.7	0.0	2.5	0.0	0.0	0.5	0.7	67.9	71.3	0.0	120.1	3.3
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	25.4	0.0	24.0	0.0	0.0	35.6	21.8	217.9	217.9	51.7	721.4	35.6
LnGrp LOS	C	A	C	A	A	D	C	F	F	D	F	D
Approach Vol, veh/h		234			13			1996			2077	
Approach Delay, s/veh		24.9			35.6			215.1			683.4	
Approach LOS		C			D			F			F	

Timer - Assigned Phs	1	2		4		6		8				
Phs Duration (G+Y+Rc), s	14.2	25.6		17.0		39.8		33.2				
Change Period (Y+Rc), s	5.1	* 5.8		6.0		* 5.8		6.1				
Max Green Setting (Gmax), s		* 20		11.0		* 34		27.1				
Max Q Clear Time (g_c+I1), s		21.8		2.7		36.0		7.9				
Green Ext Time (p_c), s	0.0	0.0		0.0		0.0		1.0				

Intersection Summary	
HCM 6th Ctrl Delay	429.4
HCM 6th LOS	F

Notes

* HCM 6th computational engine requires equal clearance times for the phases crossing the barrier.



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	42	3	89	165	0	137	10	1600	72	55	1845	5
Future Volume (veh/h)	42	3	89	165	0	137	10	1600	72	55	1845	5
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No			No			No			No	
Adj Sat Flow, veh/h/ln	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870
Adj Flow Rate, veh/h	46	3	97	179	0	149	11	1739	78	60	2005	5
Peak Hour Factor	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	386	23	438	257	11	171	89	2008	90	229	2108	5
Arrive On Green	0.30	0.30	0.30	0.30	0.00	0.30	1.00	1.00	1.00	0.39	0.39	0.39
Sat Flow, veh/h	1016	75	1442	643	35	565	213	3465	155	257	3637	9
Grp Volume(v), veh/h	49	0	97	328	0	0	11	887	930	60	979	1031
Grp Sat Flow(s),veh/h/ln	1092	0	1442	1243	0	0	213	1777	1843	257	1777	1869
Q Serve(g_s), s	0.0	0.0	4.5	18.7	0.0	0.0	4.0	0.0	0.0	15.2	48.1	48.2
Cycle Q Clear(g_c), s	2.9	0.0	4.5	23.2	0.0	0.0	52.2	0.0	0.0	15.2	48.1	48.2
Prop In Lane	0.94		1.00	0.55		0.45	1.00		0.08	1.00		0.00
Lane Grp Cap(c), veh/h	409	0	438	439	0	0	89	1030	1068	229	1030	1083
V/C Ratio(X)	0.12	0.00	0.22	0.75	0.00	0.00	0.12	0.86	0.87	0.26	0.95	0.95
Avail Cap(c_a), veh/h	671	0	737	732	0	0	89	1030	1068	229	1030	1083
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	2.00	2.00	2.00	0.67	0.67	0.67
Upstream Filter(I)	1.00	0.00	1.00	1.00	0.00	0.00	0.09	0.09	0.09	0.09	0.09	0.09
Uniform Delay (d), s/veh	22.8	0.0	23.4	31.3	0.0	0.0	24.4	0.0	0.0	16.2	26.3	26.3
Incr Delay (d2), s/veh	0.1	0.0	0.3	2.6	0.0	0.0	0.3	1.0	1.0	0.3	2.7	2.6
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(95%),veh/ln	1.4	0.0	2.8	11.2	0.0	0.0	0.4	0.5	0.5	1.5	23.8	25.0
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	22.9	0.0	23.6	33.8	0.0	0.0	24.6	1.0	1.0	16.5	29.0	28.9
LnGrp LOS	C	A	C	C	A	A	C	A	A	B	C	C
Approach Vol, veh/h		146			328			1828			2070	
Approach Delay, s/veh		23.4			33.8			1.1			28.6	
Approach LOS		C			C			A			C	

Timer - Assigned Phs	2	4	6	8
Phs Duration (G+Y+Rc), s	57.1	32.9	57.1	32.9
Change Period (Y+Rc), s	* 4.9	5.6	* 4.9	5.6
Max Green Setting (Gmax), s	* 34	46.0	* 34	46.0
Max Q Clear Time (g_c+I1), s	50.2	25.2	54.2	6.5
Green Ext Time (p_c), s	0.0	2.1	0.0	1.0

Intersection Summary	
HCM 6th Ctrl Delay	17.3
HCM 6th LOS	B

Notes

* HCM 6th computational engine requires equal clearance times for the phases crossing the barrier.



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	245	942	35	172	755	232	94	1095	177	288	1295	436
Future Volume (veh/h)	245	942	35	172	755	232	94	1095	177	288	1295	436
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No			No			No			No	
Adj Sat Flow, veh/h/ln	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870
Adj Flow Rate, veh/h	266	1024	38	187	821	252	102	1190	192	313	1408	0
Peak Hour Factor	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	192	1588	59	201	1217	373	92	1298	208	101	1504	
Arrive On Green	0.45	0.45	0.45	0.45	0.45	0.45	0.42	0.42	0.42	0.14	0.14	0.00
Sat Flow, veh/h	526	3494	130	531	2678	821	382	3066	492	392	3554	1585
Grp Volume(v), veh/h	266	521	541	187	545	528	102	687	695	313	1408	0
Grp Sat Flow(s),veh/h/ln	526	1777	1847	531	1777	1722	382	1777	1782	392	1777	1585
Q Serve(g_s), s	19.2	20.4	20.4	20.5	21.7	21.7	2.8	32.7	33.2	4.9	35.3	0.0
Cycle Q Clear(g_c), s	40.9	20.4	20.4	40.9	21.7	21.7	38.1	32.7	33.2	38.1	35.3	0.0
Prop In Lane	1.00		0.07	1.00		0.48	1.00		0.28	1.00		1.00
Lane Grp Cap(c), veh/h	192	807	839	201	807	783	92	752	754	101	1504	
V/C Ratio(X)	1.39	0.64	0.64	0.93	0.67	0.68	1.11	0.91	0.92	3.09	0.94	
Avail Cap(c_a), veh/h	192	807	839	201	807	783	92	752	754	101	1504	
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.33	0.33	0.33
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.11	0.11	0.00
Uniform Delay (d), s/veh	39.4	18.9	18.9	38.3	19.3	19.3	44.8	24.4	24.5	57.2	37.5	0.0
Incr Delay (d2), s/veh	202.3	1.8	1.7	43.8	2.2	2.3	126.6	17.5	18.4	941.6	1.8	0.0
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(95%),veh/ln	25.6	13.0	13.4	10.8	13.8	13.5	9.5	23.2	23.7	46.4	19.3	0.0
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	241.7	20.7	20.7	82.2	21.5	21.6	171.4	41.9	42.9	998.9	39.3	0.0
LnGrp LOS	F	C	C	F	C	C	F	D	D	F	D	
Approach Vol, veh/h		1328			1260			1484			1721	
Approach Delay, s/veh		64.9			30.6			51.3			213.8	
Approach LOS		E			C			D			F	

Timer - Assigned Phs	2	4	6	8
Phs Duration (G+Y+Rc), s	43.6	46.4	43.6	46.4
Change Period (Y+Rc), s	* 5.5	* 5.5	* 5.5	* 5.5
Max Green Setting (Gmax), s	* 38	* 41	* 38	* 41
Max Q Clear Time (g_c+I1), s	40.1	42.9	40.1	42.9
Green Ext Time (p_c), s	0.0	0.0	0.0	0.0

Intersection Summary	
HCM 6th Ctrl Delay	98.2
HCM 6th LOS	F

Notes

* HCM 6th computational engine requires equal clearance times for the phases crossing the barrier.

Unsignalized Delay for [SBR] is excluded from calculations of the approach delay and intersection delay.

HCM 6th Signalized Intersection Summary
1: Central Ave & 7th St

12/12/2024

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	27	533	38	182	1116	105	67	347	133	24	547	134
Future Volume (veh/h)	27	533	38	182	1116	105	67	347	133	24	547	134
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No			No			No			No	
Adj Sat Flow, veh/h/ln	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870
Adj Flow Rate, veh/h	29	579	41	198	1213	114	73	377	145	26	595	146
Peak Hour Factor	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	125	1432	101	326	1397	131	299	1165	442	69	1242	299
Arrive On Green	0.43	0.43	0.43	0.57	0.57	0.57	0.46	0.46	0.46	0.46	0.46	0.46
Sat Flow, veh/h	413	3366	238	804	3284	308	718	2520	956	58	2686	646
Grp Volume(v), veh/h	29	305	315	198	655	672	73	264	258	409	0	358
Grp Sat Flow(s),veh/h/ln	413	1777	1828	804	1777	1815	718	1777	1698	1805	0	1586
Q Serve(g_s), s	6.1	10.7	10.8	19.6	28.3	28.5	7.1	8.5	8.7	0.0	0.0	14.1
Cycle Q Clear(g_c), s	34.6	10.7	10.8	30.3	28.3	28.5	21.2	8.5	8.7	13.5	0.0	14.1
Prop In Lane	1.00		0.13	1.00		0.17	1.00		0.56	0.06		0.41
Lane Grp Cap(c), veh/h	125	756	777	326	756	772	299	822	785	877	0	733
V/C Ratio(X)	0.23	0.40	0.40	0.61	0.87	0.87	0.24	0.32	0.33	0.47	0.00	0.49
Avail Cap(c_a), veh/h	137	807	831	349	807	825	299	822	785	877	0	733
HCM Platoon Ratio	1.00	1.00	1.00	1.33	1.33	1.33	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00
Uniform Delay (d), s/veh	38.4	17.9	18.0	22.6	17.4	17.4	24.2	15.3	15.3	16.6	0.0	16.8
Incr Delay (d2), s/veh	0.9	0.3	0.3	2.7	9.4	9.5	1.9	1.0	1.1	1.8	0.0	2.3
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(95%),veh/ln	1.1	7.7	7.9	6.3	16.5	16.9	2.4	6.3	6.2	9.9	0.0	9.1
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	39.4	18.3	18.3	25.3	26.8	26.9	26.1	16.3	16.4	18.4	0.0	19.1
LnGrp LOS	D	B	B	C	C	C	C	B	B	B	A	B
Approach Vol, veh/h		649			1525			595			767	
Approach Delay, s/veh		19.2			26.7			17.6			18.8	
Approach LOS		B			C			B			B	

Timer - Assigned Phs	2	4	6	8
Phs Duration (G+Y+Rc), s	46.6	43.4	46.6	43.4
Change Period (Y+Rc), s	* 5	5.1	* 5	5.1
Max Green Setting (Gmax), s	* 39	40.9	* 39	40.9
Max Q Clear Time (g_c+I1), s	16.1	32.3	23.2	36.6
Green Ext Time (p_c), s	5.2	6.0	3.4	1.7

Intersection Summary	
HCM 6th Ctrl Delay	22.1
HCM 6th LOS	C

Notes

* HCM 6th computational engine requires equal clearance times for the phases crossing the barrier.

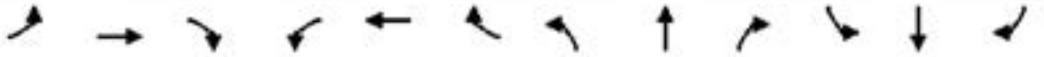
Intersection	
Int Delay, s/veh	0.7

Movement	EBT	EBR	WBL	WBT	NBL	NBR
Lane Configurations	↑↑			↑↑		↱
Traffic Vol, veh/h	692	1	1	1397	1	116
Future Vol, veh/h	692	1	1	1397	1	116
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Stop	Stop
RT Channelized	-	None	-	None	-	None
Storage Length	-	-	-	-	-	0
Veh in Median Storage, #	0	-	-	0	0	-
Grade, %	0	-	-	0	0	-
Peak Hour Factor	92	92	92	92	92	92
Heavy Vehicles, %	2	2	2	2	2	2
Mvmt Flow	752	1	1	1518	1	126

Major/Minor	Major1		Major2		Minor1	
Conflicting Flow All	0	0	753	0	1514	377
Stage 1	-	-	-	-	753	-
Stage 2	-	-	-	-	761	-
Critical Hdwy	-	-	4.14	-	6.84	6.94
Critical Hdwy Stg 1	-	-	-	-	5.84	-
Critical Hdwy Stg 2	-	-	-	-	5.84	-
Follow-up Hdwy	-	-	2.22	-	3.52	3.32
Pot Cap-1 Maneuver	-	-	853	-	110	621
Stage 1	-	-	-	-	426	-
Stage 2	-	-	-	-	422	-
Platoon blocked, %	-	-		-		
Mov Cap-1 Maneuver	-	-	853	-	109	621
Mov Cap-2 Maneuver	-	-	-	-	109	-
Stage 1	-	-	-	-	426	-
Stage 2	-	-	-	-	419	-

Approach	EB	WB	NB
HCM Control Delay, s	0	0	12.3
HCM LOS			B

Minor Lane/Major Mvmt	NBLn1	EBT	EBR	WBL	WBT
Capacity (veh/h)	621	-	-	853	-
HCM Lane V/C Ratio	0.203	-	-	0.001	-
HCM Control Delay (s)	12.3	-	-	9.2	-
HCM Lane LOS	B	-	-	A	-
HCM 95th %tile Q(veh)	0.8	-	-	0	-



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	173	417	208	309	915	404	164	1097	476	491	1239	310
Future Volume (veh/h)	173	417	208	309	915	404	164	1097	476	491	1239	310
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No			No			No			No	
Adj Sat Flow, veh/h/ln	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870
Adj Flow Rate, veh/h	188	453	226	336	995	439	178	1192	517	534	1347	337
Peak Hour Factor	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	80	693	343	178	726	315	125	932	388	298	1601	392
Arrive On Green	0.30	0.30	0.30	0.30	0.30	0.30	0.38	0.38	0.38	0.12	0.57	0.57
Sat Flow, veh/h	373	2302	1140	761	2412	1047	293	2446	1018	1781	2830	692
Grp Volume(v), veh/h	188	349	330	336	728	706	178	852	857	534	834	850
Grp Sat Flow(s),veh/h/ln	373	1777	1665	761	1777	1682	293	1777	1687	1781	1777	1746
Q Serve(g_s), s	0.0	15.4	15.6	11.5	27.1	27.1	13.8	34.3	34.3	11.0	34.6	37.1
Cycle Q Clear(g_c), s	27.1	15.4	15.6	27.1	27.1	27.1	34.3	34.3	34.3	11.0	34.6	37.1
Prop In Lane	1.00		0.68	1.00		0.62	1.00		0.60	1.00		0.40
Lane Grp Cap(c), veh/h	80	535	501	178	535	506	125	677	643	298	1005	987
V/C Ratio(X)	2.35	0.65	0.66	1.89	1.36	1.39	1.42	1.26	1.33	1.79	0.83	0.86
Avail Cap(c_a), veh/h	80	535	501	178	535	506	125	677	643	298	1005	987
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	1.00	0.09	0.09	0.09	1.00	1.00	1.00
Uniform Delay (d), s/veh	45.0	27.3	27.4	41.8	31.4	31.5	42.5	27.9	27.9	26.5	16.0	16.5
Incr Delay (d2), s/veh	644.4	2.8	3.2	421.9	174.5	188.7	195.3	117.3	150.8	370.3	7.9	9.8
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(95%),veh/ln	29.0	11.0	10.6	42.2	55.8	56.3	13.7	45.9	52.7	57.0	21.0	22.4
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	689.4	30.2	30.6	463.7	206.0	220.1	237.8	145.2	178.6	396.9	23.9	26.3
LnGrp LOS	F	C	C	F	F	F	F	F	F	F	C	C
Approach Vol, veh/h		867			1770			1887			2218	
Approach Delay, s/veh		173.3			260.5			169.1			114.6	
Approach LOS		F			F			F			F	

Timer - Assigned Phs		2		4	5	6		8				
Phs Duration (G+Y+Rc), s		56.6		33.4	16.6	40.0		33.4				
Change Period (Y+Rc), s		* 5.7		* 6.3	5.6	* 5.7		* 6.3				
Max Green Setting (Gmax), s		* 51		* 27	11.0	* 34		* 27				
Max Q Clear Time (g_c+I1), s		39.1		29.1	13.0	36.3		29.1				
Green Ext Time (p_c), s		8.7		0.0	0.0	0.0		0.0				

Intersection Summary												
HCM 6th Ctrl Delay			175.7									
HCM 6th LOS			F									

Notes

* HCM 6th computational engine requires equal clearance times for the phases crossing the barrier.



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	110	0	103	40	0	35	122	1514	78	84	1429	297
Future Volume (veh/h)	110	0	103	40	0	35	122	1514	78	84	1429	297
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No			No			No			No	
Adj Sat Flow, veh/h/ln	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870
Adj Flow Rate, veh/h	120	0	112	43	0	38	133	1646	85	91	1553	323
Peak Hour Factor	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	536	0	477	109	0	97	260	1299	67	80	782	349
Arrive On Green	0.30	0.00	0.30	0.12	0.00	0.12	0.03	0.12	0.12	0.07	0.07	0.07
Sat Flow, veh/h	1781	0	1585	894	0	790	1781	3439	177	280	3554	1585
Grp Volume(v), veh/h	120	0	112	81	0	0	133	846	885	91	1553	323
Grp Sat Flow(s),veh/h/ln	1781	0	1585	1684	0	0	1781	1777	1839	280	1777	1585
Q Serve(g_s), s	4.5	0.0	4.8	4.0	0.0	0.0	4.9	34.0	34.0	0.0	19.8	18.2
Cycle Q Clear(g_c), s	4.5	0.0	4.8	4.0	0.0	0.0	4.9	34.0	34.0	19.8	19.8	18.2
Prop In Lane	1.00		1.00	0.53		0.47	1.00		0.10	1.00		1.00
Lane Grp Cap(c), veh/h	536	0	477	206	0	0	260	671	695	80	782	349
V/C Ratio(X)	0.22	0.00	0.23	0.39	0.00	0.00	0.51	1.26	1.27	1.14	1.99	0.93
Avail Cap(c_a), veh/h	536	0	477	206	0	0	260	671	695	80	782	349
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	0.33	0.33	0.33	0.33	0.33	0.33
Upstream Filter(I)	1.00	0.00	1.00	1.00	0.00	0.00	0.25	0.25	0.25	0.09	0.09	0.09
Uniform Delay (d), s/veh	23.6	0.0	23.7	36.4	0.0	0.0	25.4	39.4	39.4	51.6	41.7	41.0
Incr Delay (d2), s/veh	1.0	0.0	1.2	5.6	0.0	0.0	1.8	120.5	126.2	75.6	444.3	5.1
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(95%),veh/ln	3.6	0.0	3.4	3.5	0.0	0.0	3.5	51.3	54.7	4.9	81.7	9.6
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	24.5	0.0	24.8	42.0	0.0	0.0	27.2	159.9	165.6	127.2	486.0	46.1
LnGrp LOS	C	A	C	D	A	A	C	F	F	F	F	D
Approach Vol, veh/h		232			81			1864			1967	
Approach Delay, s/veh		24.7			42.0			153.1			397.2	
Approach LOS		C			D			F			F	

Timer - Assigned Phs	1	2		4		6		8				
Phs Duration (G+Y+Rc), s	14.2	25.6		17.0		39.8		33.2				
Change Period (Y+Rc), s	5.1	* 5.8		6.0		* 5.8		6.1				
Max Green Setting (Gmax), s		* 20		11.0		* 34		27.1				
Max Q Clear Time (g_c+I1), s	6.9	21.8		6.0		36.0		6.8				
Green Ext Time (p_c), s	0.1	0.0		0.2		0.0		1.0				

Intersection Summary	
HCM 6th Ctrl Delay	259.6
HCM 6th LOS	F

Notes

* HCM 6th computational engine requires equal clearance times for the phases crossing the barrier.



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	11	1	16	145	4	95	59	1608	256	165	1452	30
Future Volume (veh/h)	11	1	16	145	4	95	59	1608	256	165	1452	30
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No			No			No			No	
Adj Sat Flow, veh/h/ln	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870
Adj Flow Rate, veh/h	12	1	17	158	4	103	64	1748	278	179	1578	33
Peak Hour Factor	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	315	23	312	245	11	122	290	2057	318	220	2374	50
Arrive On Green	0.22	0.22	0.22	0.22	0.22	0.22	1.00	1.00	1.00	1.00	1.00	1.00
Sat Flow, veh/h	1099	108	1442	838	50	565	314	3084	477	210	3559	74
Grp Volume(v), veh/h	13	0	17	265	0	0	64	987	1039	179	786	825
Grp Sat Flow(s),veh/h/ln	1206	0	1442	1453	0	0	314	1777	1784	210	1777	1857
Q Serve(g_s), s	0.0	0.0	0.8	14.9	0.0	0.0	0.0	0.0	0.0	60.0	0.0	0.0
Cycle Q Clear(g_c), s	0.7	0.0	0.8	15.8	0.0	0.0	0.0	0.0	0.0	60.0	0.0	0.0
Prop In Lane	0.92		1.00	0.60		0.39	1.00		0.27	1.00		0.04
Lane Grp Cap(c), veh/h	338	0	312	378	0	0	290	1185	1190	220	1185	1239
V/C Ratio(X)	0.04	0.00	0.05	0.70	0.00	0.00	0.22	0.83	0.87	0.81	0.66	0.67
Avail Cap(c_a), veh/h	727	0	737	811	0	0	290	1185	1190	220	1185	1239
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	2.00	2.00	2.00	2.00	2.00	2.00
Upstream Filter(I)	1.00	0.00	1.00	1.00	0.00	0.00	0.09	0.09	0.09	0.09	0.09	0.09
Uniform Delay (d), s/veh	27.9	0.0	28.0	33.9	0.0	0.0	0.0	0.0	0.0	6.5	0.0	0.0
Incr Delay (d2), s/veh	0.0	0.0	0.1	2.4	0.0	0.0	0.2	0.7	0.9	3.1	0.3	0.3
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(95%),veh/ln	0.4	0.0	0.5	9.6	0.0	0.0	0.0	0.4	0.5	1.6	0.2	0.2
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	27.9	0.0	28.0	36.3	0.0	0.0	0.2	0.7	0.9	9.6	0.3	0.3
LnGrp LOS	C	A	C	D	A	A	A	A	A	A	A	A
Approach Vol, veh/h		30			265			2090			1790	
Approach Delay, s/veh		28.0			36.3			0.8			1.2	
Approach LOS		C			D			A			A	

Timer - Assigned Phs	2		4		6		8	
Phs Duration (G+Y+Rc), s	64.9		25.1		64.9		25.1	
Change Period (Y+Rc), s	* 4.9		5.6		* 4.9		5.6	
Max Green Setting (Gmax), s	* 34		46.0		* 34		46.0	
Max Q Clear Time (g_c+I1), s	62.0		17.8		2.0		2.8	
Green Ext Time (p_c), s	0.0		1.7		30.0		0.1	

Intersection Summary	
HCM 6th Ctrl Delay	3.4
HCM 6th LOS	A

Notes

* HCM 6th computational engine requires equal clearance times for the phases crossing the barrier.



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	344	538	58	222	1145	299	118	1164	90	242	924	300
Future Volume (veh/h)	344	538	58	222	1145	299	118	1164	90	242	924	300
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No			No			No			No	
Adj Sat Flow, veh/h/ln	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870
Adj Flow Rate, veh/h	374	585	63	241	1245	325	128	1265	98	263	1004	0
Peak Hour Factor	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	81	1471	158	341	1272	327	190	1415	109	108	1504	
Arrive On Green	0.45	0.45	0.45	0.45	0.45	0.45	0.42	0.42	0.42	0.42	0.42	0.00
Sat Flow, veh/h	327	3237	348	783	2799	719	561	3342	258	399	3554	1585
Grp Volume(v), veh/h	374	321	327	241	783	787	128	671	692	263	1004	0
Grp Sat Flow(s),veh/h/ln	327	1777	1808	783	1777	1741	561	1777	1824	399	1777	1585
Q Serve(g_s), s	0.4	10.8	10.9	26.7	38.7	40.5	17.7	31.5	31.7	6.4	20.4	0.0
Cycle Q Clear(g_c), s	40.9	10.8	10.9	37.5	38.7	40.5	38.1	31.5	31.7	38.1	20.4	0.0
Prop In Lane	1.00		0.19	1.00		0.41	1.00		0.14	1.00		1.00
Lane Grp Cap(c), veh/h	81	807	822	341	807	791	190	752	772	108	1504	
V/C Ratio(X)	4.60	0.40	0.40	0.71	0.97	1.00	0.67	0.89	0.90	2.43	0.67	
Avail Cap(c_a), veh/h	81	807	822	341	807	791	190	752	772	108	1504	
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.61	0.61	0.00
Uniform Delay (d), s/veh	45.0	16.3	16.4	28.9	23.9	24.5	37.4	24.0	24.1	44.2	20.9	0.0
Incr Delay (d2), s/veh	1647.6	0.3	0.3	6.5	24.3	30.7	17.4	15.1	15.2	659.4	1.5	0.0
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(95%),veh/ln	69.6	7.7	7.8	9.2	27.9	29.9	6.7	22.0	22.7	38.9	12.1	0.0
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	1692.6	16.7	16.7	35.4	48.2	55.2	54.8	39.2	39.3	703.6	22.3	0.0
LnGrp LOS	F	B	B	D	D	E	D	D	D	F	C	
Approach Vol, veh/h		1022			1811			1491			1267	
Approach Delay, s/veh		630.0			49.5			40.6			163.7	
Approach LOS		F			D			D			F	

Timer - Assigned Phs	2	4	6	8
Phs Duration (G+Y+Rc), s	43.6	46.4	43.6	46.4
Change Period (Y+Rc), s	* 5.5	* 5.5	* 5.5	* 5.5
Max Green Setting (Gmax), s	* 38	* 41	* 38	* 41
Max Q Clear Time (g_c+I1), s	40.1	42.5	40.1	42.9
Green Ext Time (p_c), s	0.0	0.0	0.0	0.0

Intersection Summary	
HCM 6th Ctrl Delay	179.1
HCM 6th LOS	F

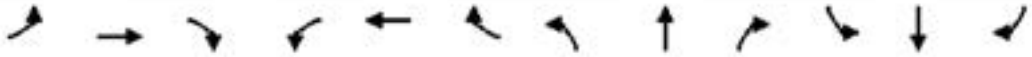
Notes

* HCM 6th computational engine requires equal clearance times for the phases crossing the barrier.

Unsignalized Delay for [SBR] is excluded from calculations of the approach delay and intersection delay.

HCM 6th Signalized Intersection Summary
1: Central Ave & 7th St

12/12/2024



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	65	888	52	144	815	69	41	815	167	32	536	43
Future Volume (veh/h)	65	888	52	144	815	69	41	815	167	32	536	43
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No			No			No			No	
Adj Sat Flow, veh/h/ln	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870
Adj Flow Rate, veh/h	71	965	57	157	886	75	45	886	182	35	583	47
Peak Hour Factor	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	200	1549	92	212	1507	128	310	1272	261	74	1177	101
Arrive On Green	0.45	0.45	0.45	0.15	0.15	0.15	0.43	0.43	0.43	0.43	0.43	0.43
Sat Flow, veh/h	584	3410	201	552	3316	281	796	2936	603	68	2715	232
Grp Volume(v), veh/h	71	503	519	157	475	486	45	536	532	329	0	336
Grp Sat Flow(s),veh/h/ln	584	1777	1834	552	1777	1820	796	1777	1762	1355	0	1660
Q Serve(g_s), s	9.9	19.4	19.4	21.5	22.4	22.4	3.8	22.0	22.1	2.1	0.0	13.0
Cycle Q Clear(g_c), s	32.3	19.4	19.4	40.9	22.4	22.4	16.8	22.0	22.1	24.1	0.0	13.0
Prop In Lane	1.00		0.11	1.00		0.15	1.00		0.34	0.11		0.14
Lane Grp Cap(c), veh/h	200	807	834	212	807	827	310	770	763	631	0	719
V/C Ratio(X)	0.35	0.62	0.62	0.74	0.59	0.59	0.14	0.70	0.70	0.52	0.00	0.47
Avail Cap(c_a), veh/h	200	807	834	212	807	827	310	770	763	631	0	719
HCM Platoon Ratio	1.00	1.00	1.00	0.33	0.33	0.33	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00
Uniform Delay (d), s/veh	32.3	18.7	18.7	49.7	30.4	30.4	24.1	20.7	20.7	17.9	0.0	18.1
Incr Delay (d2), s/veh	1.1	1.5	1.4	13.0	1.1	1.1	1.0	5.2	5.2	3.1	0.0	2.2
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(95%),veh/ln	2.6	12.5	12.8	8.0	16.2	16.5	1.4	14.9	14.8	8.7	0.0	8.9
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	33.4	20.2	20.1	62.6	31.5	31.5	25.1	25.9	25.9	20.9	0.0	20.3
LnGrp LOS	C	C	C	E	C	C	C	C	C	C	A	C
Approach Vol, veh/h		1093			1118			1113			665	
Approach Delay, s/veh		21.0			35.9			25.9			20.6	
Approach LOS		C			D			C			C	

Timer - Assigned Phs		2		4		6		8				
Phs Duration (G+Y+Rc), s		44.0		46.0		44.0		46.0				
Change Period (Y+Rc), s		* 5		5.1		* 5		5.1				
Max Green Setting (Gmax), s		* 39		40.9		* 39		40.9				
Max Q Clear Time (g_c+I1), s		26.1		42.9		24.1		34.3				
Green Ext Time (p_c), s		3.6		0.0		6.6		3.7				

Intersection Summary		
HCM 6th Ctrl Delay	26.5	
HCM 6th LOS	C	

Notes

* HCM 6th computational engine requires equal clearance times for the phases crossing the barrier.

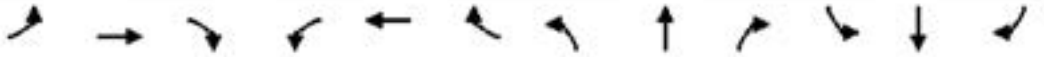
Intersection	
Int Delay, s/veh	0.4

Movement	EBT	EBR	WBL	WBT	NBL	NBR
Lane Configurations	↑↑			↑↑		↱
Traffic Vol, veh/h	1100	0	0	1032	0	64
Future Vol, veh/h	1100	0	0	1032	0	64
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Stop	Stop
RT Channelized	-	None	-	None	-	None
Storage Length	-	-	-	-	-	0
Veh in Median Storage, #	0	-	-	0	0	-
Grade, %	0	-	-	0	0	-
Peak Hour Factor	92	92	92	92	92	92
Heavy Vehicles, %	2	2	2	2	2	2
Mvmt Flow	1196	0	0	1122	0	70

Major/Minor	Major1		Major2		Minor1	
Conflicting Flow All	0	-	-	-	-	598
Stage 1	-	-	-	-	-	-
Stage 2	-	-	-	-	-	-
Critical Hdwy	-	-	-	-	-	6.94
Critical Hdwy Stg 1	-	-	-	-	-	-
Critical Hdwy Stg 2	-	-	-	-	-	-
Follow-up Hdwy	-	-	-	-	-	3.32
Pot Cap-1 Maneuver	-	0	0	-	0	445
Stage 1	-	0	0	-	0	-
Stage 2	-	0	0	-	0	-
Platoon blocked, %	-			-		
Mov Cap-1 Maneuver	-	-	-	-	-	445
Mov Cap-2 Maneuver	-	-	-	-	-	-
Stage 1	-	-	-	-	-	-
Stage 2	-	-	-	-	-	-

Approach	EB	WB	NB
HCM Control Delay, s	0	0	14.6
HCM LOS			B

Minor Lane/Major Mvmt	NBLn1	EBT	WBT
Capacity (veh/h)	445	-	-
HCM Lane V/C Ratio	0.156	-	-
HCM Control Delay (s)	14.6	-	-
HCM Lane LOS	B	-	-
HCM 95th %tile Q(veh)	0.5	-	-



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	186	742	231	549	678	605	137	1515	379	560	1290	187
Future Volume (veh/h)	186	742	231	549	678	605	137	1515	379	560	1290	187
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No			No			No			No	
Adj Sat Flow, veh/h/ln	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870
Adj Flow Rate, veh/h	202	807	251	597	737	658	149	1647	412	609	1402	203
Peak Hour Factor	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	80	803	250	80	543	471	145	1083	260	298	1764	253
Arrive On Green	0.30	0.30	0.30	0.30	0.30	0.30	0.38	0.38	0.38	0.12	0.57	0.57
Sat Flow, veh/h	387	2668	830	533	1802	1564	316	2843	682	1781	3120	447
Grp Volume(v), veh/h	202	537	521	597	726	669	149	1003	1056	609	792	813
Grp Sat Flow(s),veh/h/ln	387	1777	1721	533	1777	1589	316	1777	1748	1781	1777	1790
Q Serve(g_s), s	0.0	27.1	27.1	0.0	27.1	27.1	18.4	34.3	34.3	11.0	31.5	32.5
Cycle Q Clear(g_c), s	27.1	27.1	27.1	27.1	27.1	27.1	34.3	34.3	34.3	11.0	31.5	32.5
Prop In Lane	1.00		0.48	1.00		0.98	1.00		0.39	1.00		0.25
Lane Grp Cap(c), veh/h	80	535	518	80	535	478	145	677	666	298	1005	1012
V/C Ratio(X)	2.52	1.00	1.00	7.46	1.36	1.40	1.03	1.48	1.59	2.05	0.79	0.80
Avail Cap(c_a), veh/h	80	535	518	80	535	478	145	677	666	298	1005	1012
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	1.00	0.09	0.09	0.09	1.00	1.00	1.00
Uniform Delay (d), s/veh	45.0	31.4	31.5	45.0	31.4	31.5	40.9	27.9	27.9	26.5	15.3	15.6
Incr Delay (d2), s/veh	721.7	39.9	40.7	2933.9	172.9	191.2	30.7	217.3	264.1	482.1	6.3	6.7
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(95%),veh/ln	32.0	23.9	23.4	110.8	55.4	54.0	5.6	74.9	87.4	71.1	19.1	19.8
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	766.7	71.4	72.2	2978.9	204.4	222.6	71.6	245.2	291.9	508.6	21.6	22.3
LnGrp LOS	F	F	F	F	F	F	F	F	F	F	C	C
Approach Vol, veh/h		1260			1992			2208			2214	
Approach Delay, s/veh		183.2			1042.0			255.8			155.8	
Approach LOS		F			F			F			F	
Timer - Assigned Phs		2		4	5	6		8				
Phs Duration (G+Y+Rc), s		56.6		33.4	16.6	40.0		33.4				
Change Period (Y+Rc), s		* 5.7		* 6.3	5.6	* 5.7		* 6.3				
Max Green Setting (Gmax), s		* 51		* 27	11.0	* 34		* 27				
Max Q Clear Time (g_c+I1), s		34.5		29.1	13.0	36.3		29.1				
Green Ext Time (p_c), s		10.6		0.0	0.0	0.0		0.0				
Intersection Summary												
HCM 6th Ctrl Delay			419.1									
HCM 6th LOS			F									

Notes

* HCM 6th computational engine requires equal clearance times for the phases crossing the barrier.



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	183	0	118	0	0	12	75	1810	1	27	1902	154
Future Volume (veh/h)	183	0	118	0	0	12	75	1810	1	27	1902	154
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No			No			No			No	
Adj Sat Flow, veh/h/ln	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870
Adj Flow Rate, veh/h	199	0	128	0	0	13	82	1967	1	29	2067	167
Peak Hour Factor	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	536	0	477	0	0	194	260	1377	1	80	782	349
Arrive On Green	0.30	0.00	0.30	0.00	0.00	0.12	0.13	0.50	0.50	0.07	0.07	0.07
Sat Flow, veh/h	1781	0	1585	0	0	1585	1781	3645	2	222	3554	1585
Grp Volume(v), veh/h	199	0	128	0	0	13	82	959	1009	29	2067	167
Grp Sat Flow(s),veh/h/ln	1781	0	1585	0	0	1585	1781	1777	1870	222	1777	1585
Q Serve(g_s), s	7.9	0.0	5.5	0.0	0.0	0.7	2.8	34.0	34.0	0.0	19.8	9.1
Cycle Q Clear(g_c), s	7.9	0.0	5.5	0.0	0.0	0.7	2.8	34.0	34.0	19.8	19.8	9.1
Prop In Lane	1.00		1.00	0.00		1.00	1.00		0.00	1.00		1.00
Lane Grp Cap(c), veh/h	536	0	477	0	0	194	260	671	706	80	782	349
V/C Ratio(X)	0.37	0.00	0.27	0.00	0.00	0.07	0.32	1.43	1.43	0.36	2.64	0.48
Avail Cap(c_a), veh/h	536	0	477	0	0	194	260	671	706	80	782	349
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.33	1.33	1.33	0.33	0.33	0.33
Upstream Filter(I)	1.00	0.00	1.00	0.00	0.00	1.00	0.25	0.25	0.25	0.09	0.09	0.09
Uniform Delay (d), s/veh	24.7	0.0	23.9	0.0	0.0	35.0	22.1	22.4	22.4	51.6	41.7	36.8
Incr Delay (d2), s/veh	2.0	0.0	1.4	0.0	0.0	0.7	0.8	195.0	195.0	1.1	740.1	0.4
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(95%),veh/ln	6.4	0.0	4.0	0.0	0.0	0.5	2.1	67.1	70.5	1.1	129.8	4.8
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	26.7	0.0	25.3	0.0	0.0	35.6	22.9	217.3	217.4	52.8	781.8	37.2
LnGrp LOS	C	A	C	A	A	D	C	F	F	D	F	D
Approach Vol, veh/h		327			13			2050			2263	
Approach Delay, s/veh		26.2			35.6			209.6			717.5	
Approach LOS		C			D			F			F	

Timer - Assigned Phs	1	2		4		6		8				
Phs Duration (G+Y+Rc), s	14.2	25.6		17.0		39.8		33.2				
Change Period (Y+Rc), s	5.1	* 5.8		6.0		* 5.8		6.1				
Max Green Setting (Gmax), s	9.1	* 20		11.0		* 34		27.1				
Max Q Clear Time (g_c+I1), s	8.8	21.8		2.7		36.0		9.9				
Green Ext Time (p_c), s	0.1	0.0		0.0		0.0		1.4				

Intersection Summary	
HCM 6th Ctrl Delay	443.2
HCM 6th LOS	F

Notes

* HCM 6th computational engine requires equal clearance times for the phases crossing the barrier.



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	42	3	89	165	0	137	75	1649	72	55	1920	70
Future Volume (veh/h)	42	3	89	165	0	137	75	1649	72	55	1920	70
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No			No			No			No	
Adj Sat Flow, veh/h/ln	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870
Adj Flow Rate, veh/h	46	3	97	179	0	149	82	1792	78	60	2087	76
Peak Hour Factor	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	386	23	438	257	11	171	80	2011	87	222	2027	73
Arrive On Green	0.30	0.30	0.30	0.30	0.00	0.30	1.00	1.00	1.00	0.39	0.39	0.39
Sat Flow, veh/h	1016	75	1442	643	35	565	183	3470	150	244	3498	127
Grp Volume(v), veh/h	49	0	97	328	0	0	82	912	958	60	1054	1109
Grp Sat Flow(s),veh/h/ln	1092	0	1442	1243	0	0	183	1777	1843	244	1777	1848
Q Serve(g_s), s	0.0	0.0	4.5	18.7	0.0	0.0	0.0	0.0	0.0	16.2	52.2	52.2
Cycle Q Clear(g_c), s	2.9	0.0	4.5	23.2	0.0	0.0	52.2	0.0	0.0	16.2	52.2	52.2
Prop In Lane	0.94		1.00	0.55		0.45	1.00		0.08	1.00		0.07
Lane Grp Cap(c), veh/h	409	0	438	439	0	0	80	1030	1068	222	1030	1071
V/C Ratio(X)	0.12	0.00	0.22	0.75	0.00	0.00	1.02	0.89	0.90	0.27	1.02	1.04
Avail Cap(c_a), veh/h	671	0	737	732	0	0	80	1030	1068	222	1030	1071
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	2.00	2.00	2.00	0.67	0.67	0.67
Upstream Filter(I)	1.00	0.00	1.00	1.00	0.00	0.00	0.09	0.09	0.09	0.09	0.09	0.09
Uniform Delay (d), s/veh	22.8	0.0	23.4	31.3	0.0	0.0	26.1	0.0	0.0	16.5	27.5	27.5
Incr Delay (d2), s/veh	0.1	0.0	0.3	2.6	0.0	0.0	36.7	1.2	1.3	0.3	15.2	19.7
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(95%),veh/ln	1.4	0.0	2.8	11.2	0.0	0.0	3.2	0.6	0.7	1.5	30.1	33.1
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	22.9	0.0	23.6	33.8	0.0	0.0	62.8	1.2	1.3	16.8	42.8	47.3
LnGrp LOS	C	A	C	C	A	A	F	A	A	B	F	F
Approach Vol, veh/h		146			328			1952			2223	
Approach Delay, s/veh		23.4			33.8			3.8			44.3	
Approach LOS		C			C			A			D	

Timer - Assigned Phs	2	4	6	8
Phs Duration (G+Y+Rc), s	57.1	32.9	57.1	32.9
Change Period (Y+Rc), s	* 4.9	5.6	* 4.9	5.6
Max Green Setting (Gmax), s	* 34	46.0	* 34	46.0
Max Q Clear Time (g_c+I1), s	54.2	25.2	54.2	6.5
Green Ext Time (p_c), s	0.0	2.1	0.0	1.0

Intersection Summary	
HCM 6th Ctrl Delay	25.9
HCM 6th LOS	C

Notes

* HCM 6th computational engine requires equal clearance times for the phases crossing the barrier.



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	268	942	35	172	755	266	94	1152	177	311	1333	451
Future Volume (veh/h)	268	942	35	172	755	266	94	1152	177	311	1333	451
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No			No			No			No	
Adj Sat Flow, veh/h/ln	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870
Adj Flow Rate, veh/h	291	1024	38	187	821	289	102	1252	192	338	1449	0
Peak Hour Factor	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	181	1588	59	201	1171	412	87	1309	199	90	1504	
Arrive On Green	0.45	0.45	0.45	0.45	0.45	0.45	0.42	0.42	0.42	0.14	0.14	0.00
Sat Flow, veh/h	508	3494	130	531	2578	906	367	3091	471	369	3554	1585
Grp Volume(v), veh/h	291	521	541	187	566	544	102	716	728	338	1449	0
Grp Sat Flow(s),veh/h/ln	508	1777	1847	531	1777	1707	367	1777	1786	369	1777	1585
Q Serve(g_s), s	17.9	20.4	20.4	20.5	22.9	23.0	1.6	35.1	35.7	2.4	36.5	0.0
Cycle Q Clear(g_c), s	40.9	20.4	20.4	40.9	22.9	23.0	38.1	35.1	35.7	38.1	36.5	0.0
Prop In Lane	1.00		0.07	1.00		0.53	1.00		0.26	1.00		1.00
Lane Grp Cap(c), veh/h	181	807	839	201	807	776	87	752	756	90	1504	
V/C Ratio(X)	1.61	0.64	0.64	0.93	0.70	0.70	1.18	0.95	0.96	3.76	0.96	
Avail Cap(c_a), veh/h	181	807	839	201	807	776	87	752	756	90	1504	
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.33	0.33	0.33
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.09	0.09	0.00
Uniform Delay (d), s/veh	40.0	18.9	18.9	38.3	19.6	19.7	44.9	25.1	25.3	57.6	38.0	0.0
Incr Delay (d2), s/veh	297.4	1.8	1.7	43.8	2.7	2.8	152.2	23.1	24.8	1245.0	2.5	0.0
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(95%),veh/ln	33.0	13.0	13.4	10.8	14.6	14.2	10.0	25.7	26.6	52.9	19.8	0.0
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	337.4	20.7	20.7	82.2	22.4	22.5	197.2	48.1	50.0	1302.6	40.5	0.0
LnGrp LOS	F	C	C	F	C	C	F	D	D	F	D	
Approach Vol, veh/h		1353			1297			1546			1787	
Approach Delay, s/veh		88.8			31.0			58.9			279.2	
Approach LOS		F			C			E			F	

Timer - Assigned Phs	2	4	6	8
Phs Duration (G+Y+Rc), s	43.6	46.4	43.6	46.4
Change Period (Y+Rc), s	* 5.5	* 5.5	* 5.5	* 5.5
Max Green Setting (Gmax), s	* 38	* 41	* 38	* 41
Max Q Clear Time (g_c+I1), s	40.1	42.9	40.1	42.9
Green Ext Time (p_c), s	0.0	0.0	0.0	0.0

Intersection Summary	
HCM 6th Ctrl Delay	125.4
HCM 6th LOS	F

Notes

* HCM 6th computational engine requires equal clearance times for the phases crossing the barrier.

Unsignalized Delay for [SBR] is excluded from calculations of the approach delay and intersection delay.

777 S. Alameda Street

Drainage Technical Memorandum Report

September 10, 2025

Kimley»Horn

Kimley»Horn
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TABLE OF CONTENTS

TABLE OF CONTENTS i
EXHIBITS iii
1. INTRODUCTION 1
1.1. PROJECT DESCRIPTION 1
1.2. SCOPE OF WORK 1
2. REGULATORY FRAMEWORK 1
2.1. SURFACE WATER HYDROLOGY 1
2.1.1 COUNTY OF LOS ANGELES HYDROLOGY MANUAL 1
2.1.2 LOS ANGELES MUNICIPAL CODE 2
2.2. SURFACE WATER QUALITY 2
2.2.1 CLEAN WATER ACT 2
2.2.2 CALIFORNIA PORTER-COLOGNE ACT 3
2.2.3 FEDERAL ANTIDEGRADATION POLICY 3
2.2.4 CALIFORNIA ANTIDEGRADATION POLICY 3
2.2.5 CALIFORNIA TOXICS RULE 3
2.2.6 BOARD BASIN PLAN FOR THE COASTAL WATERSHEDS OF LOS ANGELES AND VENTURA COUNTIES 4
2.2.7 NPDES PERMIT PROGRAM 4
2.2.8 THE CONSTRUCTION GENERAL PERMIT 4
2.2.9 LOS ANGELES COUNTY MUNICIPAL STORM WATER SYSTEM (MS4) PERMIT 5
2.2.10 STORMWATER QUALITY MANAGEMENT PROGRAMS (SQMP) 5
2.2.11 CITY OF LOS ANGELES WATER QUALITY COMPLIANCE MASTER PLAN FOR URBAN RUNOFF 7
2.2.12 CITY OF LOS ANGELES STORMWATER PROGRAM 8
2.2.13 LOW IMPACT DEVELOPMENT (LID) 9
2.2.14 STANDARD URBAN STORMWATER MITIGATION PLAN (SUSMP) 10
2.2.15 LOS ANGELES MUNICIPAL CODE 10
2.3. GROUNDWATER QUALITY 11
2.3.1 BOARD BASIN PLAN FOR THE COASTAL WATERSHEDS OF LOS ANGELES AND VENTURA COUNTIES 11
2.3.2 SAFE DRINKING WATER ACT (SDWA) 12
2.3.3 CALIFORNIA WATER PLAN 12
3. ENVIRONMENTAL SETTING 12
3.1. SURFACE WATER HYDROLOGY 12
3.1.1 REGIONAL 12

3.1.2 LOCAL 13
3.1.3 ON SITE 13
3.2. SURFACE WATER QUALITY 14
3.2.1 REGIONAL 14
3.2.2 LOCAL 16
3.2.3 ON SITE 16
3.3. GROUNDWATER 16
3.3.1 REGIONAL 16
3.3.2 LOCAL 17
3.3.3 ON SITE 17
4. CRITERIA 17
4.1. SURFACE WATER HYDROLOGY 17
4.2. SURFACE WATER QUALITY 18
4.3. GROUNDWATER HYDROLOGY 19
4.4. GROUNDWATER QUALITY 19
5. METHODOLOGY 20
5.1. SURFACE WATER HYDROLOGY 20
5.2. SURFACE WATER QUALITY 21
5.3. GROUNDWATER HYDROLOGY 21
5.4. GROUNDWATER QUALITY 22
6. PROJECT ANALYSIS 22
6.1. CONSTRUCTION 22
6.1.1 SURFACE WATER HYDROLOGY 22
6.1.2 SURFACE WATER QUALITY 22
6.1.3 GROUNDWATER HYDROLOGY 23
6.1.4 GROUNDWATER QUALITY 23
6.2 OPERATION 24
6.2.1 SURFACE WATER HYDROLOGY 24
6.2.2 SURFACE WATER QUALITY 25
6.2.3 GROUNDWATER HYDROLOGY 27
6.2.4 GROUNDWATER QUALITY 27
7. CONCLUSIONS 28

EXHIBITS

1 EXISTING DRAINAGE AREAS

2 EXISTING RUNOFF HYDROCALC OUTPUT

3 PROPOSED DRAINAGE AREAS

4 PROPOSED RUNOFF HYDROCALC OUTPUT

5 LID BMP HYDROCALC OUTPUT

6 LID BMP SIZING CALCULATIONS AND CONCEPT PLAN

7 WATER EFFICIENT LANDSCAPE ORDINANCE (WELO) WATER CALCULATION

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1. INTRODUCTION

1.1. PROJECT DESCRIPTION

The Applicant is proposing to develop three buildings containing 1,000 residential units including 114 Very Low Income Housing units in three buildings and 6,547 square feet of commercial (retail/restaurant) uses within two buildings (Project) on a portion of the site located at 757–787 S. Alameda Street, 1318–1396 E. 7th Street, 736–796 S. Central Avenue, 1301–1327 E. 8th Street, 700–760 S. Market Court, 720–746 S. Terminal Street, and 760 S. Warehouse Street in the Downtown Community Plan area of the City of Los Angeles (City), presently know as ROW DTLA (Project Site). The Project would redevelop the two existing surface parking lots (Development Area) into a mixed-use development located on the north and south sides of Center Street, on the eastern edge of the Project Site. The Development Area is comprised of approximately 4.85 gross acres.

Building A would include commercial space at the first floor; 410 residential units at the first through eighth floors; and two levels of subterranean parking. Building B would include 214 residential units at the first through eight floors and two levels of subterranean parking. Building C would include commercial space at the first floor; 376 residential units at the first through eighth floors; and two levels of subterranean parking. The proposed buildings would range from approximately 100 feet to 103 feet in height. Upon completion, 884,278 square feet of new floor would be provided in the Development Area. When accounting for the existing floor area to remain, approximately 2,477,695 square feet of floor area would be provided within the Project Site with a total FAR of 1.86:1.

The Project would include up to 1,092 vehicular parking spaces. A total of 96,278 square feet of open space would also be provided. The existing uses within the remainder of the Project Site outside of the Development Area will remain and would not be modified by the Project.

1.2. SCOPE OF WORK

This report provides a description of the surface water hydrology, surface water quality, and groundwater at the Project Site and an analysis of the effects of the Project on surface water hydrology, surface water quality, and groundwater.

2. REGULATORY FRAMEWORK

2.1. SURFACE WATER HYDROLOGY

2.1.1 COUNTY OF LOS ANGELES HYDROLOGY MANUAL

Per the City's Special Order No. 007-1299, December 3, 1999, the City has adopted the Los Angeles County Department of Public Works Hydrology Manual as its basis of design for storm drainage facilities. The Los Angeles County Department of Public Works' Hydrology Manual requires that a storm drain conveyance system be designed for a 25-year storm event and that the combined capacity of a storm drain and street flow system accommodate flow from a 50-year storm event. Areas with sump conditions are required to have a storm drain conveyance system capable of conveying flow from a 50-year storm event. The County also limits the allowable discharge into existing storm drain facilities based on the MS4 Permit (described below) and is enforced on all new developments that discharge directly into the County's storm drain system. Any proposed drainage improvements of County owned storm drain facilities such as catch basins

and storm drain lines require the approval/review from the Los Angeles County Flood Control District (LACFCD) department.

2.1.2 LOS ANGELES MUNICIPAL CODE

Any proposed drainage improvements within the street right of way or any other property owned by, to be owned by, or under the control of the City requires the approval of a B-permit (Section 62.105, LAMC). Under the B-permit process, storm drain installation plans are subject to review and approval by the City of Los Angeles Department of Public Works Bureau of Engineering. Additionally, any connections to the City's storm drain system from a property line to a catch basin or a storm drain pipe requires a storm drain permit from the City of Los Angeles Department of Public Works, Bureau of Engineering.

2.2. SURFACE WATER QUALITY

2.2.1 CLEAN WATER ACT

The federal Clean Water Act was first introduced in 1948 as the Water Pollution Control Act. The Clean Water Act authorizes Federal, state, and local entities to cooperatively create comprehensive programs for eliminating or reducing the pollution of state waters and tributaries. The primary goals of the Clean Water Act are to restore and maintain the chemical, physical, and biological integrity of the nation's waters and to provide surface waters that are fishable and swimmable. As such, the Clean Water Act forms the basic national framework for the management of water quality and the control of pollutant discharges. The Clean Water Act also sets forth several objectives to achieve the above-mentioned goals. These objectives include regulating pollutant and toxic pollutant discharges; providing for water quality that protects and fosters the propagation of fish, shellfish and wildlife; developing wastewater treatment management plans; and developing and implementing programs for the control of non-point sources of pollution.

Since its introduction, major amendments to the Clean Water Act have been enacted (e.g., 1961, 1966, 1970, 1972, 1977, and 1987). Amendments enacted in 1970 created the U.S. Environmental Protection Agency (USEPA), while amendments enacted in 1972 deemed the discharge of pollutants into waters of the United States from any point source unlawful unless authorized by a USEPA National Pollutant Discharge Elimination System (NPDES) permit. Amendments enacted in 1977 mandated development of a "Best Management Practices" Program at the state level and provided the Water Pollution Control Act with the common name of "Clean Water Act," which is universally used today. Amendments enacted in 1987 required the USEPA to create specific requirements for discharges.

In response to the 1987 amendments to the Clean Water Act and as part of Phase I of its NPDES permit program, the USEPA began requiring NPDES permits for: (1) municipal separate storm sewer systems (MS4) generally serving, or located in, incorporated cities with 100,000 or more people (referred to as municipal permits); (2) 11 specific categories of industrial activity (including landfills); and (3) construction activity that disturbs five acres or more of land. Phase II of the USEPA's NPDES permit program, which went into effect in early 2003, extended the requirements for NPDES permits to: (1) numerous small municipal separate storm sewer systems, (2) construction sites of one to five acres, and (3) industrial facilities owned or operated by small municipal separate storm sewer systems. The NPDES permit program is typically administered by individual authorized states.

In 2008, the USEPA published draft Effluent Limitation Guidelines (ELGs) for the construction and development industry. On December 1, 2009, the EPA finalized its 2008 Effluent Guidelines

Program Plan.

In California, the NPDES stormwater permitting program is administered by the State Water Resources Control Board (SWRCB). The SWRCB was created by the Legislature in 1967. The joint authority of water distribution and water quality protection allows the Board to provide protection for the State's waters, through its nine Regional Water Quality Control Boards (RWQCBs). The RWQCBs develop and enforce water quality objectives and implement plans that will best protect California's waters, acknowledging areas of different climate, topography, geology, and hydrology. The RWQCBs develop "basin plans" for their hydrologic areas, issue waste discharge requirements, enforce action against stormwater discharge violators, and monitor water quality.

2.2.2 CALIFORNIA PORTER-COLOGNE ACT

The Porter-Cologne Water Quality Control Act established the legal and regulatory framework for California's water quality control. The California Water Code authorizes the SWRCB to implement the provisions of the Clean Water Act (CWA), including the authority to regulate waste disposal and require cleanup of discharges of hazardous materials and other pollutants.

As discussed above, under the California Water Code (CWC), the State of California is divided into nine RWQCBs, governing the implementation and enforcement of the CWC and CWA. The Project Site is located within Region 4, also known as the Los Angeles Region. Each RWQCB is required to formulate and adopt a Basin Plan for its region. This Plan must adhere to the policies set forth in the CWC and established by the SWRCB. The RWQCB is also given authority to include within its Basin Plan water discharge prohibitions applicable to conditions, areas, or types of waste.

2.2.3 FEDERAL ANTIDEGRADATION POLICY

The Federal Antidegradation Policy (40 Code of Federal Regulations 131.12) requires states to develop statewide antidegradation policies and identify methods for implementing them. Pursuant to the Code of Federal Regulations (CFR), state antidegradation policies and implementation methods shall, at a minimum, protect and maintain (l) existing in-stream water uses; (2) existing water quality, where the quality of the waters exceeds levels necessary to support existing beneficial uses, unless the state finds that allowing lower water quality is necessary to accommodate economic and social development in the area; and (3) water quality in waters considered an outstanding national resource.

2.2.4 CALIFORNIA ANTIDEGRADATION POLICY

The California Antidegradation Policy, otherwise known as the *Statement of Policy with Respect to Maintaining High Quality Water in California* was adopted by the SWRCB (State Board Resolution No. 68-16) in 1968. Unlike the Federal Antidegradation Policy, the California Antidegradation Policy applies to all waters of the State, not just surface waters. The policy states that whenever the existing quality of a water body is better than the quality established in individual Basin Plans, such high quality shall be maintained and discharges to that water body shall not unreasonably affect present or anticipated beneficial use of such water resource.

2.2.5 CALIFORNIA TOXICS RULE

In 2000, the EPA promulgated the California Toxics Rule, which establishes water quality criteria for certain toxic substances to be applied to waters in the State. The EPA promulgated this rule

based on the EPA's determination that the numeric criteria are necessary in the State to protect human health and the environment. The California Toxics Rule establishes acute (i.e., short-term) and chronic (i.e., long-term) standards for bodies of water such as inland surface waters and enclosed bays and estuaries that are designated by the LARWQCB as having beneficial uses protective of aquatic life or human health.

2.2.6 BOARD BASIN PLAN FOR THE COASTAL WATERSHEDS OF LOS ANGELES AND VENTURA COUNTIES

As required by the CWC, the LARWQCB has adopted a plan entitled "Water Quality Control Plan, Los Angeles Region: Basin Plan for the Coastal Watersheds of Los Angeles and Ventura Counties" (Basin Plan). Specifically, the Basin Plan designates beneficial uses for surface and groundwaters, sets narrative and numerical objectives that must be attained or maintained to protect the designated beneficial uses and conform to the State's Antidegradation Policy, and describes implementation programs to protect all waters in the Los Angeles Region. In addition, the Basin Plan incorporates (by reference) all applicable State and Regional Board plans and policies and other pertinent water quality policies and regulations. Those of other agencies are referenced in appropriate sections throughout the Basin Plan.

The Basin Plan is a resource for the RWQCB and others who use water and/or discharge wastewater in the Los Angeles Region. Other agencies and organizations involved in environmental permitting and resource management activities also use the Basin Plan. Finally, the Basin Plan provides valuable information to the public about local water quality issues.

2.2.7 NPDES PERMIT PROGRAM

The NPDES permit program was first established under authority of the CWA to control the discharge of pollutants from any point source into the waters of the United States. As indicated above, in California, the NPDES stormwater permitting program is administered by the SWRCB through its nine RWQCBs.

2.2.8 THE CONSTRUCTION GENERAL PERMIT

SWRCB Order No. 2009-0009-DWQ known as "The Construction General Permit" was adopted on September 2, 2009, and amended by Order No. 2010-0014-DWQ effective on February 14, 2011, and Order No. 2012-0006-DWQ effective on July 17, 2012. This NPDES permit establishes a risk-based approach to stormwater control requirements for construction projects by identifying three Project risk levels. The main objectives of the Construction General Permit are to:

1. Reduce erosion
2. Minimize or eliminate sediment in stormwater discharges
3. Prevent materials used at a construction site from contacting stormwater
4. Implement a sampling and analysis program
5. Eliminate unauthorized non-stormwater discharges from construction sites
6. Implement appropriate measures to reduce potential effects of the Project on waterways both during and after construction of projects
7. Establish maintenance commitments on post-construction pollution control measures

California mandates requirements for all construction activities disturbing more than one acre of land to develop and implement a Stormwater Pollution Prevention Plan (SWPPP). The SWPPP documents the selection and implementation of Best Management Practices (BMPs) for a specific construction Project, charging Owners with stormwater quality management responsibilities. A

construction site subject to the Construction General Permit must prepare and implement a SWPPP that meets the requirements of the Construction General Permit[1].

2.2.9 LOS ANGELES COUNTY MUNICIPAL STORM WATER SYSTEM (MS4) PERMIT

As described above, USEPA regulations require that MS4 permittees implement a program to monitor and control pollutants being discharged to the municipal system from both industrial and commercial projects that contribute a substantial pollutant load to the MS4.

On December 13, 2001, the LARWQCB adopted Order No. 01-182 under the CWA and the Porter-Cologne Act. This Order is the NPDES Permit or MS4 permit for municipal stormwater and urban runoff discharges within Los Angeles County. The requirements of this Order (the "Permit") cover 84 cities and most of the unincorporated areas of Los Angeles County. Under the Permit, the Los Angeles County Flood Control District (LACFCD) is designated as the Principal Permittee. The Permittees are the 84 Los Angeles County cities (including the City of Los Angeles) and Los Angeles County. Collectively, these are the "Co-Permittees". The Principal Permittee helps to facilitate activities necessary to comply with the requirements outlined in the Permit but is not responsible for ensuring compliance of any of the Permittees.

2.2.10 STORMWATER QUALITY MANAGEMENT PROGRAMS (SQMP)

In compliance with the Los Angeles County MS4 Permit, the Co-Permittees are required to implement a stormwater quality management program (SQMP) with the goal of accomplishing the requirements of the Permit and reducing the amount of pollutants in stormwater runoff. The SQMP requires the County of Los Angeles and the 84 incorporated cities to:

- Implement a public information and participation program to conduct outreach on storm water pollution;
- Control discharges at commercial/industrial facilities through tracking, inspecting, and ensuring compliance at facilities that are critical sources of pollutants;
- Implement a development planning program for specified development projects;
- Implement a program to control construction runoff from construction activity at all construction sites within the relevant jurisdictions;
- Implement a public agency activities program to minimize storm water pollution effects of the Project from public agency activities; and
- Implement a program to document, track, and report illicit connections and discharges to the storm drain system.

The MS4 Permit contains the following provisions for implementation of the SQMP by the Co-Permittees:

1. General Requirements:
    - Each permittee is required to implement the SQMP to comply with applicable stormwater program requirements.

[1] http://www.swrcb.ca.gov/water_issues/programs/stormwater/construction.shtml

- The SQMP shall be implemented and each permittee shall implement additional controls so that discharge of pollutants is reduced.

2. Best Management Practice Implementation:

   - Permittees are required to implement the most effective combination of BMPs for stormwater/urban runoff pollution control. This should result in the reduction of storm water runoff.

3. Revision of the SQMP:

   - Permittees are required to revise the SQMP to comply with requirements of the RWQCB while complying with regional watershed requirements and/or waste load allocations for implementation of total maximum daily loads (TMDLs) for impaired waterbodies. TMDL is a calculation of the maximum amount of a pollutant that a waterbody can receive and still meet water quality standards, and an allocation of that load among the various sources of that pollutant.

4. Designation and Responsibilities of the Principal Permittee:

The Los Angeles County Flood Control District is designated as the Principal Permittee who is responsible for:

- Coordinating activities that comply with requirements outlined in the NPDES Permit;
- Coordinating activities among Permittees;
- Providing personnel and fiscal resources for necessary updates to the SQMP;
- Providing technical support for committees required to implement the SQMP; and
- Implementing the Countywide Monitoring Program required under this Order and assessing the results of the monitoring program.

5. Responsibilities of Co-Permittees:

Each co-permittee is required to comply with the requirements of the SQMP as applicable to the discharges within its geographical boundaries. These requirements include:

- Coordinating among internal departments to facilitate the implementation of the SQMP requirements in an efficient way;
- Participating in coordination with other internal agencies as necessary to successfully implement the requirements of the SQMP; and
- Preparing an annual Budget Summary of expenditures for the storm water management program by providing an estimated breakdown of expenditures for different areas of concern, including budget projections for the following year.

6. Watershed Management Committees (WMCs):

   - Each WMC shall be comprised of a voting representative from each Co-Permittee in the

Watershed Management Area (WMA).

- Each WMCs is required to facilitate exchange of information between Co-Permittees, establish goals and deadlines for WMAs, prioritize pollution control measures, develop and update adequate information, and recommend appropriate revisions to the SQMP.

7. Legal Authority:

- Co-Permittees are granted the legal authority to prohibit non-storm water discharges to the storm drain system including discharge to the MS4 from various development types.

2.2.11 CITY OF LOS ANGELES WATER QUALITY COMPLIANCE MASTER PLAN FOR URBAN RUNOFF

On March 2, 2007, City Council Motion 07-0663 was introduced by the City of Los Angeles City Council to develop a water quality master plan with strategic directions for planning, budgeting and funding to reduce pollution from urban runoff in the City of Los Angeles. On April 20, 2009, City Council Motion 07-0663 was adopted by the City of Los Angeles Board of Public Works. The Water Quality Compliance Master Plan for Urban Runoff was developed by the Bureau of Sanitation, Watershed Protection Division in collaboration with stakeholders to address the requirements of City Council Motion 07-0663. The primary goal of the Water Quality Compliance Master Plan for Urban Runoff is to help meet local, state, and federal agencies water quality goals and targets. Examples being the Clean Water Act (CWA), Porter-Cologne Act, and the other regulations mentioned in this section. Implementation of the Water Quality Compliance Master Plan for Urban Runoff is intended over the next 20 to 30 years to result in cleaner neighborhoods, rivers, lakes and bays, augmented local water supply, reduced flood risk, more open space, and beaches that are safe for swimming. The Water Quality Compliance Master Plan for Urban Runoff also supports the Mayor and Council's efforts to make Los Angeles the greenest major city in the nation.

The Water Quality Compliance Master Plan for Urban Runoff identifies and describes the various watersheds in the City, summarizes the water quality conditions of the City's waters, identifies known sources of pollutants, describes the governing regulations for water quality, describes the BMPs that are being implemented by the City, discusses existing TMDL Implementation Plans and Watershed Management Plans. Additionally, the Water Quality Compliance Master Plan for Urban Runoff provides an implementation strategy that includes the following three initiatives to achieve water quality goals:

- Water Quality Management Initiative, which describes how Water Quality Management Plans for each of the City's watershed and TMDL-specific Implementation Plans will be developed to ensure compliance with water quality regulations.

- The Citywide Collaboration Initiative, which recognizes that urban runoff management and urban development are closely linked, requiring collaborations of many City agencies. This initiative requires the development of City policies, guidelines, and ordinances for green and sustainable approaches for urban runoff management.

- The Outreach Initiative, which promotes public education and community engagement with a focus on preventing urban runoff pollution.

The Water Quality Compliance Master Plan for Urban Runoff includes a financial plan that provides a review of current sources of revenue, estimates costs for water quality compliance, and identifies new potential sources of revenue.

2.2.12 CITY OF LOS ANGELES STORMWATER PROGRAM

The City of Los Angeles supports the policies of the Construction General Permit and the Los Angeles County NPDES permit through the Development Best Management Practices Handbook. Part A Construction Activities, 3rd Edition, and associated ordinances were adopted in September 2004. Part B Planning Activities, 5th Edition was adopted in July 2011. The Handbook provides guidance for developers in complying with the requirements of the Development Planning Program regulations of the City's Stormwater Program. Compliance with the requirements of this manual is required by City of Los Angeles Ordinance No. 172,673. The handbook and ordinances also have specific minimum BMP requirements for all construction activities and require dischargers whose construction projects disturb one acre or more of soil to prepare a SWPPP and file a Notice of Intent (NOI) with the SWRCB. The NOI informs the SWRCB of a particular project and results in the issuance of a Waste Discharger Identification (WDID) number, which is needed to demonstrate compliance with the General Permit.

The Development Best Management Practices Handbook, Low Impact Development Manual, Part B: Planning Activities (5th edition, May 2016) (LID Handbook) provides guidance to developers to ensure the post-construction operation of newly developed and redeveloped facilities comply with the Developing Planning Program regulations of the City's Stormwater Program. Compliance with requirements established in the LID Handbook is required under City of Los Angeles Ordinance No. 173,494. The LID Handbook assists developers with the selection, design, and incorporation of stormwater source control and treatment control BMPs into project design plans, and provides an overview of the City's plan review and permitting process. The LID Handbook addresses the need for frequent and/or regular inspections of infiltration facilities in order to ensure on-site compliance of BMP standards, soil quality, site vegetations, and permeable surfaces. These inspections are required to guarantee that facilities follow all proprietary operation and maintenance requirements.

The City of Los Angeles implements the requirement to incorporate stormwater BMPs through the City's plan review and approval process. During the review process, project plans are reviewed for compliance with the City's General Plan, zoning ordinances, and other applicable local ordinances and codes, including stormwater requirements. Plans and specifications are reviewed to ensure that the appropriate BMPs are incorporated to address stormwater pollution prevention goals. The Standard Urban Stormwater Mitigation Plan (SUSMP) provisions that are applicable to new residential and commercial developments include, but are not limited to, the following[2]:

- Peak Stormwater Runoff Discharge Rate: Post-development peak stormwater runoff discharge rates shall not exceed the estimated pre-development rate for developments where the increased peak stormwater discharge rate will result in increased potential for downstream erosion;
- Conserve natural areas;
- Minimize Stormwater Pollutants of Concern;
- Protect Slopes and Channels;
- Provide storm drain system Stenciling and Signage;
- Properly design outdoor material storage areas;
- Properly design trash storage areas; and
- Provide proof of ongoing BMP Maintenance of any structural BMPs installed.

Design Standards for Structural or Treatment Control BMPs:

[2] Los Angeles Waterboards SUSMP website, https://www.waterboards.ca.gov/losangeles/water_issues/programs/stormwater/susmp/susmp_details.shtml. accessed March 7, 2024.

- Structural or Treatment control BMPs selected for use at any project covered by this SUSMP shall meet the design standards of this Section unless specifically exempted. Post-construction Structural or Treatment Control BMPs shall be designed to:

A. Mitigate (infiltrate or treat) stormwater runoff from either:

1. The 85th percentile 24-hour runoff event determined as the maximized capture stormwater volume for the area, from the formula recommended in Urban Runoff Quality Management, WEF Manual of Practice No. 23/ASCE Manual of Practice No. 87, (1998), or

2. The volume of annual runoff based on unit basin storage water quality volume, to achieve 80 percent or more volume treatment by the method recommended in California Stormwater Best Management Practices Handbook—Industrial/ Commercial, (1993), or

3. The volume of runoff produced from a 0.75-inch storm event, prior to its discharge to a stormwater conveyance system, or

4. The volume of runoff produced from a historical-record based reference 24-hour rainfall criterion for "treatment" (0.75-inch average for the Los Angeles County area) that achieves approximately the same reduction in pollutant loads achieved by the 85th percentile 24-hour runoff event,

AND

B. Control peak flow discharge to provide stream channel and over bank flood protection, based on flow design criteria selected by local agency.

2.2.13 LOW IMPACT DEVELOPMENT (LID)

The City of Los Angeles supports the requirements of the Los Angeles County Municipal NPDES permit through the Planning and Land Development Handbook for Low Impact Development, Part B, 5th Edition, which the City of Los Angeles adopted in May 2016. The LID Handbook sets forth requirements for implementing stormwater BMPs for small scale and large scale development projects. An LID Ordinance Revision effective April 2, 2024 has adjusted the threshold for which LID Clearance is required. Stormwater mitigation is required for new development projects equal to 1 acre or greater of disturbed area and adding more than 5,000 square feet (SF) of impervious surface area[3]. The City of Los Angeles, Bureau of Sanitation, Watershed Protection Division (WPD) reviews and approves Project plans for compliance.

LID is a stormwater management strategy that seeks to mitigate the effects of the Project from increases in runoff and stormwater pollution as close to its source as possible. LID comprises a set of site design approaches and BMPs that promote the use of natural systems for infiltration, evapotranspiration, and use of stormwater. These LID practices can effectively remove nutrients, bacteria, and metals from stormwater while reducing the volume and intensity of stormwater flows. With respect to urban development and redevelopment projects, it can be applied onsite to mimic the site's predevelopment drainage characteristics. Through the use of various infiltration techniques, LID is geared towards minimizing surface area that produces large amounts of runoff and does not allow water to infiltrate into the ground. Where infiltration is infeasible, the use of

[3] https://www.lacitysan.org/cs/groups/sg_sw/documents/document/y250/mde3/~edisp/cnt017152.pdf

bioretention, rain gardens, vegetated rooftops, and rain barrels that will store, evaporate, detain, and/or treat runoff can be used.

Large development projects require that stormwater BMPs be sized, at a minimum, to infiltrate, evapotranspire, store for use, and/or treat through a high removal efficiency biofiltration/biotreatment system, without any stormwater runoff leaving the site to the maximum extent feasible, for at least the volume of water produced by the stormwater quality design storm event that results from:

i. The 0.75-inch, 24-hour rain event, or
ii. The 85th percentile 24-hour runoff event determined from the Los Angeles County 85th percentile precipitation isohyetal map, *whichever is greater*[4]

2.2.14 STANDARD URBAN STORMWATER MITIGATION PLAN (SUSMP)

Any Project that cannot comply with the City of Los Angeles LID requirements shall be required to comply with, at a minimum, all applicable SUSMP requirements[5]. Under the Los Angeles County Municipal NPDES Permit, Permittees are required to implement a development planning program to address storm water pollution. These programs require Project applicants for certain types of projects to implement SUSMP throughout the operational life of their projects. The purpose of SUSMP is to reduce the discharge of pollutants in storm water by outlining BMPs which must be incorporated into the design plans of new development and redevelopment. A Project is subject to SUSMP if it falls under one of the categories listed below:

1. Single-family hillside residential developments
2. Housing developments of 10 or more dwelling units (including single family tract developments)
3. Industrial /Commercial developments with one acre or more of impervious surface area
4. Automotive service facilities*
5. Retail gasoline outlets*
6. Restaurants*
7. Parking lots of 5,000 square feet or more of surface area or with 25 or more parking spaces
8. Projects with 2,500 square feet or more of impervious area that are located in, adjacent to, or draining directly to designated Environmentally Sensitive Areas (ESA)

* Developments of less than 5,000 square feet in these categories are only subject to the prescriptive method described in The City of Los Angeles Best Management Practices Handbook Part B, 3rd Edition.

Permittees are required to adopt the requirements set herein in their own SUSMP. Additional BMPs may be required by ordinance or code adopted by the Permittee and applied in a general way to all projects or on a case-by-case basis.

2.2.15 LOS ANGELES MUNICIPAL CODE

Section 64.70 of the LAMC sets forth the City's Stormwater and Urban Runoff Pollution Control Ordinance. The ordinance prohibits the discharge of the following into any storm drain system:

- Any liquids, solids, or gases which by reason of their nature or quantity are flammable, reactive, explosive, corrosive, or radioactive, or by interaction with other materials could

[4] https://www.lacitysan.org/cs/groups/sg_sw/documents/document/y250/mdk1/~edisp/cnt095945.pdf
[5] http://www.lastormwater.org/green-la/standard-urban-stormwater-mitigation-plan/

result in fire, explosion or injury.

- Any solid or viscous materials, which could cause obstruction to the flow or operation of the storm drain system.
- Any pollutant that injures or constitutes a hazard to human, animal, plant, or fish life, or creates a public nuisance.
- Any noxious or malodorous liquid, gas, or solid in sufficient quantity, either singly or by interaction with other materials, which creates a public nuisance, hazard to life, or inhibits authorized entry of any person into the storm drain system.
- Any medical, infectious, toxic or hazardous material or waste.

Additionally, unless otherwise permitted by a NPDES permit, the ordinance prohibits industrial and commercial developments from discharging untreated wastewater or untreated runoff into the storm drain system. Furthermore, the ordinance prohibits trash or any other abandoned objects/materials from being deposited such that they could be carried into the storm drains. Lastly, the ordinance not only makes it a crime to discharge pollutants into the storm drain system and imposes fines on violators, but also gives City public officers the authority to issue citations or arrest business owners or residents who deliberately and knowingly dump or discharge hazardous chemicals or debris into the storm drain system.

Earthwork activities, including grading, are governed by the Los Angeles Building Code, which is contained in Los Angeles Municipal Code (LAMC), Chapter IX, Article 1. Specifically, Section 91.7013 includes regulations pertaining to erosion control and drainage devices, and Section 91.7014 includes general construction requirements, as well as requirements regarding flood and mudflow protection.

2.3. GROUNDWATER QUALITY

2.3.1 BOARD BASIN PLAN FOR THE COASTAL WATERSHEDS OF LOS ANGELES AND VENTURA COUNTIES

As required by the California Water Code, the LARWQCB has adopted a plan entitled "Water Quality Control Plan, Los Angeles Region: Basin Plan for the Coastal Watersheds of Los Angeles and Ventura Counties" (Basin Plan). Specifically, the Basin Plan designates beneficial uses for surface and groundwaters, sets narrative and numerical objectives that must be attained or maintained to protect the designated beneficial uses and conform to the State's antidegradation policy, and describes implementation programs to protect all waters in the Los Angeles Region. In addition, the Basin Plan incorporates (by reference) all applicable State and Regional Board plans and policies and other pertinent water quality policies and regulations. Those of other agencies are referenced in appropriate sections throughout the Basin Plan.

The Basin Plan is a resource for the Regional Board and others who use water and/or discharge wastewater in the Los Angeles Region. Other agencies and organizations involved in environmental permitting and resource management activities also use the Basin Plan. Finally, the Basin Plan provides valuable information to the public about local water quality issues.

2.3.2 SAFE DRINKING WATER ACT (SDWA)

The Federal Safe Drinking Act, established in 1974, sets drinking water standards throughout the country and is administered by the USEPA. The drinking water standards established in the SDWA, as set forth in the Code of Federal Regulations (CFR), are referred to as the National Primary Drinking Water Regulations (Primary Standards, Title 40, CFR Part 141) and the National Secondary Drinking Water Regulations (Second Standards, 40 CFR Part 143). California passed its own Safe Drinking Water Act in 1986 that authorizes the State's Department of Health Services (DHS) to protect the public from contaminants in drinking water by establishing maximum contaminants levels (MCLs), as set forth in the CCR, Title 22, Division 4, Chapter 15, that are at least as stringent as those developed by the USEPA, as required by the federal Safe Drinking Water Act.

2.3.3 CALIFORNIA WATER PLAN

The California Water Plan (The Plan) provides a framework for water managers, legislators, and the public to consider options and make decisions regarding California's water future. The Plan, which is updated every five years, presents basic data and information on California's water resources including water supply evaluations and assessments of agricultural, urban, and environmental water uses to quantify the gap between water supplies and uses. The Plan also identifies and evaluates existing and proposed statewide demand management and water supply augmentation programs and projects to address the State's water needs.

The goal for the California Water Plan Update is to meet CWC requirements, receive broad support among those participating in California's water planning, and be a useful document for the public, water planners throughout the state, legislators and other decision-makers.

3. ENVIRONMENTAL SETTING

3.1. SURFACE WATER HYDROLOGY

3.1.1 REGIONAL

The Project Site is located within the Los Angeles River Watershed Management Area in the Los Angeles Basin. The Los Angeles River Watershed Management Area covers 835 square miles. It is bordered to the north by the City of Santa Clarita, to the east by Angeles National Forest, to the south by City of Long Beach and to the west by Santa Monica.

Major tributaries to the river in the San Fernando Valley are the Pacoima Wash, Tujunga Wash, Burbank Western Channel and Verdugo Wash. At the eastern end of the San Fernando Valley, the river bends around the Hollywood Hills and flows through Griffith and Elysian Parks, in an area known as the Glendale Narrows. South of the Glendale Narrows, the river is contained in a concrete-lined channel down to Long Beach. The main tributaries to the river in this stretch are the Arroyo Seco, the Rio Hondo, and Compton Creek[6]. The Project Site, including the Development Area, is specifically located within the Los Angeles River Watershed – Reach 3 Subwatershed.

[6]https://www.waterboards.ca.gov/rwqcb4/water_issues/programs/regional_program/Water_Quality_and_Watersheds/los_angeles_river_watershed/la_summary.shtml

3.1.2 LOCAL

Drainage from the Development Area (the existing parking lots at the north and south of Center Street) is captured by an on-site storm drain system. The drainage flows offsite to an underground storm drain system flowing south under Alameda Street owned and maintained by the City of Los Angeles, and subsequently discharged into pipes owned by Los Angeles County.

3.1.3 ON SITE

The Development Area is currently paved parking lots. These existing northern and southern parking lots are assumed to be two separate drainage areas that ultimately discharge to the same system owned by the City of Los Angeles. By reviewing the Development Area's topography, the drainage areas were delineated by sharing similar drainage patterns and flow paths which are tributary to a common point or area.

The Development Area's overall topography for the northern parking lot slopes toward the center of the parking lot with a decrease in grade of approximately two feet from the eastern property line at Alameda Street to the center of the parking lot. The overall topography for the southern parking lot peaks at the center of the parking lot with a decrease in grade of approximately one foot from the eastern property line at Alameda Street to the center of the parking lot.

The existing drainage pattern for both the northern and southern parking lots of the Development Area follows the topography. Stormwater runoff is intercepted by a valley gutter and/or diverted east and westerly to three on-site drainage inlets. See **Exhibit 1** for a map of the existing drainage area and drainage inlets.

The existing northern and southern parking lots of the Development Area are comprised of approximately 96% and 91% impervious surfaces, respectively. The existing Development Area is dominantly impervious pavements for pedestrian and vehicular circulation. There are existing landscape areas on-site, however the areas are small parking barrier installations. Based on the Geotechnical Report dated November 6, 2024 and prepared by Group Delta Consultants, Inc., the parking lots of the Development Area consists of asphalt concrete pavement underlain by fill soils and native soils. The fill soils consists of a mixture of silty sand, sandy silt, sand lean clay, and poorly graded sand with occasional gravel and debris fragments intermixed. The native soils were primarily granular in nature comprised of alternating layers of silty sand and poorly graded to well graded sand with occasional gravel.

Existing runoff flows for the Development Area during a 50-year storm event are shown in Table 3.1.3 below. Pursuant to the methodology described in Section 5.1 of this report, calculations were completed using the Los Angeles County HydroCalc program, based on total site area, flow path length and slope, impervious site area, and soil type. See **Exhibit 2** for HydroCalc output.

Table 3.1.3 – Existing Runoff Flows

Drainage Area	Area (Acres)	Q50 (cfs) (volumetric flow rate measured in cubic feet per second)
Existing North Parking Lot (Proposed Building C)	1.99	5.36
Existing South Parking Lot (Proposed Building A & B)	2.86	7.20

3.2. SURFACE WATER QUALITY

3.2.1 REGIONAL

As discussed above, the Project Site, including the Development Area, is located within the Los Angeles River Watershed Management Area of the Los Angeles Basin, which includes several subwatershed areas. As previously described, the Project Site ultimately drains to the Long Beach Harbor via a network of City and County storm drains within the Los Angeles River – Reach 3 Subwatershed.

3.2.1.1 BENEFICIAL USES OF THE LOS ANGELES RIVER – REACH 3 SUBWATERSHED

The potential beneficial uses for waterbodies in the Los Angeles Region as set forth in the Basin Plan are listed and defined below[9]. The specific beneficial uses applicable to the waters in the Los Angeles River – Reach 3 Subwatershed are shown in Table 3.2.2 below[10].

- Municipal and Domestic Supply (MUN): Uses of water for community, military, or individual water supply systems including, but not limited to, drinking water supply.
- Industrial Service Supply (IND): Uses of water for industrial activities that do not depend primarily on water quality including, but not limited to, mining, cooling water supply, hydraulic conveyance, gravel washing, fire protection, or oil well re-pressurization.
- Ground Water Recharge (GWR): Uses of water for natural or artificial recharge of ground water for purposes of future extraction, maintenance of water quality, or halting of saltwater intrusion into freshwater aquifers.
- Warm Freshwater Habitat (WARM): Uses of water that support warm water ecosystems including, but not limited to, preservation or enhancement of aquatic habitats, vegetation, fish, or wildlife, including invertebrates.
- Wildlife Habitat (WILD): Use of water that support terrestrial ecosystems including, but not limited to, preservation and enhancement of terrestrial habitats, vegetation, wildlife (e.g., mammals, birds, reptiles, amphibians, invertebrates), or wildlife water and food sources.
- Wetland Habitat (WET): Uses of water that support wetland ecosystems, including, but not limited to, preservation or enhancement of wetland habitats, vegetation, fish, shellfish, or wildlife, and other unique wetland functions which enhance water quality, such as providing flood and erosion control, stream bank stabilization, and filtration and purification of naturally occurring contaminants.

[9]http://www.waterboards.ca.gov/losangeles/water_issues/programs/basin_plan/electronics_documents/Chapter2Text.pdf
[10]https://www.waterboards.ca.gov/losangeles/water_issues/programs/basin_plan/Beneficial_Uses/ch2/Revised%20Beneficial%20Use%20Tables.pdf

Table 3.2.2
Beneficial Uses of the Waters within the Los Angeles River – Reach 3 Subwatershed

	Los Angeles River Reach 3	Verdugo Wash - Reach 1	Verdugo Wash – Reach 2	Halls Canyon Channel	Pickens Canyon	Shields Canyon	Dunsmore Canyon Creek	Burbank Western Channel	Tujunga wash	Big Tujunga Canyon Creek	Upper Big Tujunga Canyon Creek
MUN	P*	P*	P*	P*	I*	I	I	P*	P*	P*	P*
IND	P			I		I	I				
PROC				I		I	I				
AGR											
GWR	E	I	I	I	I	I	I		I	E	E
FRSH											
NAV											
POW											
COMM											
AQUA											
WARM	E	P	P	I	I	I	I	P	P	E	I
COLD									P	E	P
SAL											
EST											
MAR											
WILD	E	P	P	E	E	E	E	P	P	E	E
BIO											
RARE										E	
MIGR											
SPWN										E	
SHELL											
WET	E									E	E
	E: Existing beneficial use P: Potential beneficial use I: Intermittent beneficial use *Asterisked MUN designations are designated under SB 88-63 and RB 89-03. Some designations may be considered for exemption at a later date (See page 2-3, 4 for more details).										

3.2.1.2 IMPAIRMENTS AND TMDLS IN THE LOS ANGELES RIVER – REACH 3 SUBWATERSHED

Section 303(d) of the federal Clean Water Act requires the State and RWQCBs to identify impaired water bodies that do not meet quality standards and develop TMDLs to restore the impaired water bodies to their full beneficial uses. A TMDL specifies the maximum amount of a pollutant that a water body can receive and still meet water quality standards. Those facilities and activities that discharge into the water body, collectively, must not exceed the TMDL. The most recent 303(d) list of impaired water bodies was approved by the USEPA in 2012. The majority of the LA River Watershed outside of National Forest land is considered impaired due to a variety of point and nonpoint sources. The pollutants of concern identified for these water bodies include pH levels, ammonia, a number of metals, coliform, trash, scum, algae, oil, chlorpyrifos as well as other pesticides, and volatile organics[11].

Several TMDLs are in place within the Los Angeles River Subwatershed, including the Los Angeles Trash TMDL, Los Angele Nitrogen Compounds and Related Effects TMDL, Los Angeles River and Tributaries Metals TMDL, and the Los Angeles River Bacteria TMDL[11.1].

3.2.2 LOCAL

In general, urban stormwater runoff occurs following precipitation events, with the volume of runoff flowing into the drainage system depending on the intensity and duration of the rain event. Contaminants that may be found in stormwater from developed areas include sediments, trash, bacteria, metals, nutrients, organics and pesticides. The sources of contaminants include surface areas where precipitation falls, as well as the air through which it falls. Contaminants on surfaces such as roads, maintenance areas, parking lots, and buildings, which are usually contained in dry weather conditions, may be carried by rainfall runoff into drainage systems. The City of Los Angeles has installed catch basins to capture debris before entering the storm drain system. In addition, the City conducts routine street cleaning operations, as well as periodic cleaning and maintenance of catch basins to reduce stormwater pollution within the City.

3.2.3 ON SITE

The only known structural BMPs for the treatment of stormwater runoff in the Development Area are onsite catch basins and landscaping. There are a range of non-structural BMPs that are currently utilized at the Project Site and Development Area to minimize the impact of pollutant sources. These include general housekeeping practices such as regular trash collection and proper storage of hazardous materials and waste. Based on the existing operations within the Project Site and Development Area, the on-site runoff likely contains the following pollutants of concern: sediment; nutrients; pesticides; metals; pathogens; and oil and grease.

3.3. GROUNDWATER

3.3.1 REGIONAL

Groundwater use for domestic water supply is a major beneficial use of groundwater basins in Los Angeles County. The City of Los Angeles overlies the Los Angeles Coastal Plain Groundwater Basin. The Los Angeles Coastal Plain Groundwater Basin is comprised of the Hollywood, Santa Monica, Central, and West Coast Subbasins. Groundwater flow in the Los Angeles Coastal Plain

[11]https://www.waterboards.ca.gov/rwqcb4/water_issues/programs/regional_program/Water_Quality_and_Watersheds/los_angeles_river_watershed/la_summary.shtml
[11.1]https://www.waterboards.ca.gov/rwqcb4/water_issues/programs/basin_plan/2020/Chapter_7/Chapter_7.pdf

Groundwater Basin is generally south-southwesterly and may be restricted by natural geological features. Replenishment of groundwater basins occurs mainly by percolation of precipitation throughout the region via permeable surfaces, spreading grounds, and groundwater migration from adjacent basins, as well as injection wells designed to pump freshwater along specific seawater barriers to prevent the intrusion of saltwater.

3.3.2 LOCAL

Within the Los Angeles Coastal Plain Groundwater basin, the Project Site, including the Development Area, specifically overlies the Central Subbasin. The Central Subbasin occupies a large portion of the southeastern part of the Coastal Plain of Los Angeles Groundwater Basin. This subbasin is commonly referred to as the "Central Basin" and is bounded on the north by a surface divide called the La Brea high, and on the northeast and east by emergent less permeable Tertiary rocks of the Elysian, Repetto, Merced and Puente Hills. The southeast boundary between Central Basin and Orange County Groundwater Basin roughly follows Coyote Creek, which is a regional drainage province boundary[12].

Recharge to the Central Subbasin occurs primarily through the Montebello forebay extending southward from the Whittier Narrows where the San Gabriel River encounters the Central Basin. Both forebays have unconfined groundwater conditions and relatively interconnected aquifers that extend up to 1,600 feet deep to provide recharge to the aquifer system of this subbasin (DWR 1961).

3.3.3 ON SITE

Based on the Geotechnical Report dated November 6, 2024 and prepared by Group Delta Consultants, Inc., groundwater was not encountered within any of the borings to a maximum explored depth of 50 feet below the ground surface. The historically highest ground water level at the site is approximately 150 feet below ground surface, per the Seismic Hazard Zone Report for the Los Angeles Quadrangle (CGS,1998).

4. CRITERIA

While this analysis is not required for the Housing Element Checklist, the Applicant has prepared this analysis, outside of the Housing Element Checklist, for supplemental and informational purposes only.

4.1. SURFACE WATER HYDROLOGY

Appendix G of the CEQA Guidelines provides thresholds to assess effects of the Project with regard to surface water hydrology. These thresholds are as follows:

Would the project:

- Substantially alter the existing drainage pattern of the site or area, including through the alteration of the course of a stream or river or through the addition of impervious surfaces, in a manner which would:
    - Substantially increase the rate or amount of surface runoff in a manner which would result in flooding on- or off-site;

[12] https://water.ca.gov/-/media/DWR-Website/Web-Pages/Programs/Groundwater-Management/Bulletin-118/Files/2003-Basin-Descriptions/4_011_04_CentralSubbasin.pdf

  - Result in substantial erosion or siltation on- or off-site;
  - Create or contribute runoff water which would exceed the capacity of existing or planned stormwater drainage systems or provide substantial additional sources of polluted runoff; or Impede or redirect flood flows;
- In flood hazard, tsunami, or seiche zones, risk release of pollutants due to project inundation;
- Conflict with or obstruct implementation of a water quality control plan or sustainable groundwater management plan.

In the context of these thresholds from Appendix G of the CEQA Guidelines, the City of Los Angeles CEQA Thresholds Guide (L.A. CEQA Thresholds Guide) states that a project would normally have a significant impact on surface water hydrology if it would:

- Cause flooding during the projected 50-year developed storm event, which would have the potential to harm people or damage property or sensitive biological resources;
- Substantially reduce or increase the amount of surface water in a water body; or
- Result in a permanent adverse change to the movement of surface water sufficient to produce a substantial change in the current or direction of water flow.

4.2. SURFACE WATER QUALITY

Appendix G of the CEQA Guidelines provides thresholds to assess the effects of the Project with regard to surface water quality. These thresholds are as follows:

Would the project:

- Violate any water quality standard or waste discharge requirements or otherwise substantially degrade surface or groundwater quality;
- Substantially alter the existing drainage pattern of the site or area, including through the alteration of the course of a stream or river or through the addition of impervious surfaces, in a manner which would:
  - Result in substantial erosion or siltation on- or off-site;
  - Substantially increase the rate or amount of surface runoff in a manner which would result in flooding on- or off-site;
  - Create or contribute runoff water which would exceed the capacity of existing or planned stormwater drainage systems or provide substantial additional sources of polluted runoff;
  - Impede or redirect flood flows;
- In flood hazard, tsunami, or seiche zones, risk release of pollutants due to project inundation;
- Conflict with or obstruct implementation of a water quality control plan or sustainable groundwater management plan;

In the context of the above questions from Appendix G, the L.A. CEQA Thresholds Guide states that a project would normally have a significant impact on surface water quality if it would result in discharges that would create pollution, contamination or nuisance, as defined in Section 13050 of the CWC or that cause regulatory standards to be violated, as defined in the applicable NPDES stormwater permit or Water Quality Control Plan for the receiving water body.

The CWC includes the following definitions:

- "Pollution" means an alteration of the quality of the waters of the state to a degree which unreasonably affects either of the following: 1) the waters for beneficial uses or 2) facilities

which serve these beneficial uses. "Pollution" may include "Contamination".

- "Contamination" means an impairment of the quality of the waters of the state by waste to a degree, which creates a hazard to the public health through poisoning or though the spread of disease. "Contamination" includes any equivalent effect resulting from the disposal of waste, whether or not waters of the state are affected.
- "Nuisance" means anything which meets all of the following requirements: 1) is injurious to health, or is indecent or offensive to the senses, or an obstruction to the free use of property, so as to interfere with the comfortable enjoyment of life or property; 2) affects at the same time an entire community or neighborhood, or any considerable number of persons, although the extent of the annoyance or damage inflicted upon individuals may be unequal; and 3) occurs during, or as a result of, the treatment or disposal of wastes[13].

4.3. GROUNDWATER HYDROLOGY

Appendix G of the CEQA Guidelines provides thresholds to assess the effects of the Project with regard to groundwater. These thresholds are as follows:

Would the project:

- Substantially decrease groundwater supplies or interfere substantially with groundwater recharge such that the project may impede sustainable groundwater management of the basin;
- Conflict with or obstruct implementation of a water quality control plan or sustainable groundwater management plan?

In the context of the above question from Appendix G, the L.A. CEQA Thresholds Guide states that a project would normally have a significant impact on groundwater if it would:

- Change potable water levels sufficiently to:
  - Reduce the ability of a water utility to use the groundwater basin for public water supplies, conjunctive use purposes, storage of imported water, summer/winter peaking, or to respond to emergencies and drought;
  - Reduce yields of adjacent wells or well fields (public or private); or
  - Adversely change the rate or direction of flow of groundwater; or
- Result in demonstrable and sustained reduction of groundwater recharge capacity.

4.4. GROUNDWATER QUALITY

Appendix G of the CEQA Guidelines provides thresholds to assess the effects of the Project with regard to groundwater quality. These thresholds are as follows:

Would the project:

- Violate any water quality standards or waste discharge requirements or otherwise substantially degrade surface or groundwater quality;
- Conflict with or obstruct implementation of a water quality control plan or sustainable groundwater management plan;

In the context of the above questions from Appendix G pertaining to groundwater quality, the

[13] City of Los Angeles. LA. CEQA Thresholds Guide. 2006
https://planning.lacity.org/eir/CrossroadsHwd/deir/files/references/A07.pdf

L.A. CEQA Thresholds Guide states that a project would normally have a significant impact on groundwater quality if it would:

- Affect the rate or change the direction of movement of existing contaminants;
- Expand the area affected by contaminants;
- Result in an increased level of groundwater contamination (including that from direct percolation, injection or salt water intrusion); or
- Cause regulatory water quality standards at an existing production well to be violated, as defined in the California Code of Regulations (CCR), Title 22, Division 4, and Chapter 15 and in the Safe Drinking Water Act.

5. METHODOLOGY

5.1. SURFACE WATER HYDROLOGY

The Development Area is located within the City of Los Angeles, and drainage collection, treatment, and conveyance are regulated by the City. Per the City's Special-Order No. 007-1299, December 3, 1999, the City has adopted the Los Angeles County Department of Public Works (LACDPW) Hydrology Manual as its basis of design for storm drainage facilities. The LACDPW Hydrology Manual requires projects to have drainage facilities that meet the Urban Flood level of protection. The Urban Flood is runoff from a 25-year frequency design storm falling on a saturated watershed. A 25-year frequency design storm has a probability of 1/25 of being equaled or exceeded in any year. A 50-year frequency storm as a probability of 1/50 of being equaled or exceeded in any year. To provide a more conservative analysis, this report analyzes the greater storm event threshold, i.e., the 50-year frequency design storm event.

The Modified Rational Method was used to calculate storm water runoff. The "peak" (maximum value) runoff for a drainage area is calculated using the formula, Q = CIA per below:

Q = Volumetric flow rate (cfs)
C = Runoff coefficient (dimensionless)
I = Rainfall Intensity at a given point in time (in/hr)
A = Basin area (acres)

The Modified Rational Method assumes that a steady, uniform rainfall rate will produce maximum runoff when all parts of the basin area are contributing to outflow. This occurs when the storm event lasts longer than the time of concentration. The time of concentration (Tc) is the time it takes for rain in the most hydrologically remote part of the basin area to reach the outlet.

The method assumes that the runoff coefficient (C) remains constant during a storm. The runoff coefficient is a function of both the soil characteristics and the percentage of impervious surfaces in the drainage area.

The Los Angeles County Department of Public Works developed a program, HydroCalc Calculator, to automate time of concentration calculations as well as the peak runoff rates and volumes using the Modified Rational Method design criteria as outlined in the Hydrology Manual. The data input requirements include area size, flow path length, flow path slope, rainfall isohyet, soil type, design storm frequency, and fire factor. The HydroCalc Calculator was used to calculate the storm water peak runoff flow rate for the existing and proposed Project conditions.

5.2. SURFACE WATER QUALITY

The Project will meet the requirements of the City of Los Angeles LID Handbook. Under section 3.2.2 of the LID Handbook, post-construction stormwater runoff from a new development must be infiltrated, evapotranspirated, captured and used, and/or treated through high efficiency BMPs onsite for at least the volume of water produced by a 0.75-inch storm event or the 85th percentile 24-hour runoff event, whichever is greater. The LID Handbook prioritizes the selection of BMPs used to comply with stormwater mitigation requirement. The order of priority is:

1. Infiltration Systems
2. Stormwater Capture and Use
3. High Efficient Biofiltration/Bioretention Systems
4. Combination of Any of the Above

Feasibility screening for each stormwater mitigation method is delineated in the LID Handbook. A site-specific soils report is required to determine infiltration feasibility. To be feasible, the depth between the infiltration system and the observed groundwater should be greater than ten feet, the infiltration rate should be greater than 1.5 in/hr, and the site should not be located within a hillside grading area or near potential geotechnical hazards. If these conditions are not met, infiltration may potentially still be feasible, per the results of the site-specific soils report, and approval of the City of Los Angeles, Bureau of Sanitation, Watershed Protection Division. If infiltration is confirmed infeasible for the Project Site, capture and use feasibility will be considered. For capture and use to be feasible, the Estimated Total Water Usage for irrigation from October 1 – April 30 must be greater than or equal to the volume of water produced by the stormwater quality design storm event.

5.3. GROUNDWATER HYDROLOGY

The effects of the Project as it relates to the level of the underlying groundwater table of the Central Groundwater Subbasin included a review of the following considerations:

Analysis and Description of the Project's Existing Condition

- Identification of the Central Subbasin as the underlying groundwater basin, and description of the level, quality, direction of flow, and existing uses for the water;
- Description of the location, existing uses, production capacity, quality, and other pertinent data for spreading grounds and potable water wells in the vicinity (usually within a one-mile radius), and;
- Area and degree of permeability of soils on the Project Site, and;

Analysis of the Proposed Project Impact on Groundwater Level

- Description of the rate, duration, location and quantity of extraction, dewatering, spreading, injection, or other activities;
- The projected reduction in groundwater resources and any existing wells in the vicinity (usually within a one-mile radius); and
- The projected change in local or regional groundwater flow patterns.

In addition, this report discusses the effect of both construction and demolition activities at the Project Site on the groundwater quality of the underlying Central Subbasin.

Short-term groundwater quality effects of the Project could potentially occur during construction of the Project as a result of soil or shallow groundwater being exposed to construction materials, waste, and spilled materials. These potential effects of the Project are qualitatively assessed.

5.4. GROUNDWATER QUALITY

In addition to the items discussed in Section 5.3 above, this report discusses the impact of both existing and proposed activities in the Development Area on the groundwater quality of the underlying Los Angeles Groundwater Basin.

6. PROJECT ANALYSIS

6.1. CONSTRUCTION

6.1.1 SURFACE WATER HYDROLOGY

Construction activities for the Project would include demolition of the surface parking lots in the Development Area. Construction of three multi-story buildings, one on the northern lot (Building C) and one on each of the two southern lots (Buildings A and B). All three buildings will have two levels of subterranean parking. Excavation for the subterranean lots would follow demolition. These activities will temporarily alter existing surface drainage patterns and flows on the Development Area by diverting existing surface flows.

The Project would be required to comply with all applicable City grading permit regulations that require necessary measures, plans, and inspections to reduce sedimentation and erosion. Thus, through implementation of BMPs, and compliance with applicable City grading regulations, the Project would not substantially alter the Project Site or Development Area drainage patterns in a manner that would result in substantial erosion, siltation, or flooding on- or off-site. Similarly, adherence to standard compliance measurements in construction activities would ensure that during construction the Project would not cause flooding, substantially increase or decrease the amount of surface water flow from the Project Site or Development Area into a water body, or result in a permanent, adverse change to the movement of surface water. Finally, as the existing Development Area is almost entirely impervious and would remain so during most of the construction period, construction activities would have a minimal effect on drainage patterns.

6.1.2 SURFACE WATER QUALITY

Construction activities such as earth moving, maintenance/operation of construction equipment, dewatering, and handling/storage/disposal of materials could contribute to pollutant loading in stormwater runoff. A SWPPP would be implemented to provide good housekeeping measures and best management practices (BMPs) to reduce pollutant loads. BMPs would be identified and designed during the design stage of the Project, in accordance with City of Los Angeles Grading Division Guidelines and the California Stormwater Quality Association (CASQA) BMP Handbook. The following are examples of BMPs that may be applicable to the Project:

- Sandbags
- Storm drain inlets protection
- Stabilized construction entrance/exit

- Wind erosion control
- Stockpile management

Through compliance with NPDES requirements and City grading regulations, including the implementation of BMPs, construction of the Project would not result in discharge that would cause: (1) pollution which would alter the quality of the water of the State (i.e., Long Beach Harbor) to a degree which unreasonably affects beneficial uses of the waters; (2) contamination of the quality of the water of the State by waste to a degree which creates a hazard to the public health through poisoning or through the spread of diseases; or (3) nuisance that would be injurious to health; affect an entire community or neighborhood, or any considerable number of persons; and occurs during or as a result of the treatment or disposal of wastes. Furthermore, construction of the Project would not result in discharges that would cause regulatory standards to be violated in Los Angeles River – Reach 3 Subwatershed.

6.1.3 GROUNDWATER HYDROLOGY

The Development Area does not contain water supply wells nor do any wells exist within one mile of the Project Site[14]. In addition, the Project would not include the construction of water supply wells that could be impacted by construction. Additionally, Project construction would not reduce recharge rates since no appreciable recharge occurs on-site.

Development of the proposed Project would require construction of 2-level subterranean parking structures to a depth of approximately 22 feet below grade for all three buildings. Based on the Geotechnical Report prepared by Group Delta Consultants and dated November 6, 2024, groundwater on-site was not encountered within the 50-foot depth explored. Therefore, the separation between excavation and groundwater is greater than 30 feet deep, and excavation is not anticipated to disturb the groundwater table. If groundwater is encountered during excavation, a temporary dewatering system, such as pumping or wellpoints, would be implemented in accordance with NPDES permit requirements. Therefore, effects of the Project to groundwater flow and level during construction can be considered negligible.

6.1.4 GROUNDWATER QUALITY

Contaminated soil, if present, has the potential to adversely impact the quality of groundwater. A Phase I Environmental Site Assessment was prepared by California Environmental and dated May 2023. Per the Phase I Environmental Report, the subject property was utilized as a railway yard that included a variety of industrial operations (machine shop, blast furnace, and oil storage) throughout the 1900s. These operations are considered Recognized Environmental Conditions (RECs). A Supplemental Soil and Soil Gas Assessment – Phase II was prepared by California Environmental Geologists & Engineers, Inc. and dated March 2024. It was determined in this assessment that the soil exceeds CalEPA guidance concentrations. A Soil Management Plan (SMP) and Health and Safety Plan (HASP) have been developed and will be implemented during the future grading at the Development Area.

During on-site grading and building construction, hazardous materials, such as fuels, paints, solvents, and concrete additives, could be used and would therefore require proper management and, in some cases, disposal. The management of any resultant hazardous waste could increase the opportunity for hazardous materials releases into groundwater. Compliance with all applicable federal, state, and local requirements concerning the handling, storage, and disposal of hazardous waste, would reduce the potential for the construction of the Project to release contaminants into

[14] http://dpw.lacounty.gov/general/wells/

groundwater that could affect existing contaminants, expand the area or increase the level of groundwater contamination, or cause a violation of regulatory water quality standards at an existing production well. In addition, as there are no groundwater production wells or public water supply wells within one mile of the Development Area or Project Site, construction activities would not be anticipated to affect existing wells.

6.2 OPERATION

6.2.1 SURFACE WATER HYDROLOGY

The Project proposes construction of a multi-story residential development with 2 levels of subterranean parking for all three buildings (Buildings A, B, and C). Development of the proposed Project would reduce the impervious surface area on-site for the north portion of the Development Area to approximately 80% from the initial 96%. Similarly for the two south portions of the Development Site, the Project would reduce the impervious surface to 80% from the initial 91%.

The Development Area will be split up into 3 separate drainage areas. The proposed Project will also be divided into multiple subdrainage areas, based on the slope of each roof area as determined by the architect, plumbing systems to channel roof stormwater flow, and site grading as designed by the civil engineer. These areas will be finalized during the final design phase of the Project. See **Exhibit 3** for proposed drainage areas.

Table 6.2.1 shows the 50-year frequency design storm event peak flow rate within the proposed Development Area. Calculations were completed using the Los Angeles County HydroCalc program, based total site area, flow path length and slope, impervious site area, and soil type. A comparison of the pre- and post- peak flow rates indicates that there would be a slight increase in stormwater runoff. This change is due to the reduction of the time of concentration. The change is slight because the boundaries of the existing and proposed drainage areas are substantially similar, therefore flow patterns and discharge points would be generally maintained within the Project. See Exhibit 4 for HydroCalc output.

Table 6.2.1 – Proposed Runoff Flows

Drainage Area	Area (Acres)	Q50 (cfs) (volumetric flow rate measured in cubic feet per second)	Total Q50 (cfs)
Existing North Portion of Development Area (Building C)	1.99	5.36	5.36
Proposed North Portion of Development Area (Building C)	1.99	5.29	5.29
Existing South Portion of Development Area (Buildings A & B)	2.86	7.20	7.20
Proposed South Portion of Development Area (Building B)	1.02	2.93	7.82
Proposed South Portion of Development Area (Building A)	1.84	4.89	

The above table indicates a minor increase in overall stormwater runoff. While the slight increase does not create an impact, the runoff will be reduced with BMPs that did not previously exist. Therefore, the Project would not result in an incremental impact on either on- site or off-site flooding during a 50-year storm event, substantially reduce nor increase the amount of surface water in a water body, or result in a permanent adverse change to the movement of surface water that would result in an incremental effect on the capacity of the existing storm drain system.

6.2.2 SURFACE WATER QUALITY

The land uses associated with the Project (Residential & Commercial) would include potential sources of surface water pollutants. Refer to Table 6.2.2-1 for anticipated and potential pollutants that could be generated by the proposed on-site land uses for residential and commercial.

Table 6.2.2-1 – Project Pollutants

Project Pollutant Sources	Pollutants of Concerns
Lawns, Landscaping, and Parks	Sediment (coarse and fine) Nutrients (dissolved and particulate) Pesticides, pathogens, trash and debris
Parking Lots and Driveways	Sediment (fine) Metals (dissolved and particulate) TPH, trash
Roads	Sediment (coarse and fine) Metals (dissolved and particulate) TPH, PAH, trash and debris

To treat and control surface water pollutants and comply with City of Los Angeles LID requirements, the Project will implement a post-construction stormwater BMP. The BMP must

treat at least the volume of water produced by a 0.75-inch storm event or the 85th percentile 24-hour runoff event, whichever is greater. The 85th percentile rainfall depth for the Project Site is 1-inch, which is greater than the 0.75-inch storm event, therefore the BMP will be sized accordingly. The 24-hour, 85th percentile volume was calculated using the HydroCalc program. The calculation was based on the area, flow path length and slope, impervious area, and soil type. The 24-hour design mitigation volume for the LID BMP is shown in Table 6.2.2-2 below. See **Exhibit 5** for HydroCalc output.

Table 6.2.2-2 – LID 24-Hour Design Mitigation Volume

Drainage Area	Area (Acres)	Mitigation Volume Required, Vm (cf)
Proposed Building C	1.99	5,195
Proposed Building B	1.02	2,663
Proposed Building A	1.84	4,804

As discussed above, the LID Handbook sets forth requirements for BMP selection prioritization. A site-specific soil report and percolation testing is required to confirm the feasibility of on-site infiltration. The Geotechnical Report by Group Delta Consultants, Inc. dated November 6, 2024 concludes infiltration is feasible based on analyzing the soil hydraulic conductivity.

The report recommends a preliminary infiltration rate of 5 in/hr. Group Delta Consultants, Inc. also noted that Infiltration rates and infiltration testing to confirm design rates can be provided once additional details regarding the infiltration infrastructure are known and that infiltration will need to comply with the following:

- The infiltration facilities shall be designed to overflow to the street, in the event that the drainage capacity is exceeded or in case of future failure to adequately infiltrate.
- Water infiltration into the ground must occur a minimum of 10 feet above the groundwater table.
- Infiltration facilities shall be located so that soils supported by retaining and basement walls are not saturated.
- No infiltration facility shall be placed to infiltrate water into fill material.
- No infiltration facility shall be placed to infiltrate water into the upper loose soils on site, occurring to depths of approximately 5 to 15 feet where present.
- The distance between the infiltration facility and the adjacent private property line shall be a minimum of 10 feet. No setback is required from the property line for a public street unless required by the Department of Public Works.
- Foundations shall be set back a minimum of 10 feet from the infiltration facility and the bottom of the footing shall be a minimum of 10 feet from the expected zone of saturation. The boundary of the zone of saturation may be assumed to project downward from the top of the permeable portion of the infiltration facility at gradient of 1:1.
- Dry wells should be located at least 10 feet from buildings and shall be cased to a depth where the potential saturation zone is at least 10 feet from any footing. The annular space around the casing shall be sealed to prevent water from raising up the outside of the casing.

The depth between the subterranean parking levels, approximately 22 feet below grade, and the groundwater table, which was not encountered within the 50-foot depth exploration, is greater than 10 feet. In addition, the Geotechnical Report states that the potential for surface rupture, liquefaction, and expansive soils is considered low. The Project Site, including the Development Area is not located in a methane zone. Therefore, the majority of the infiltration feasibility requirements are satisfied.

If infiltration is determined to be infeasible following percolation testing, the next stormwater

mitigation method considered will be capture and use. For capture and use to be feasible, the Estimated Total Water Use from April 1 – October 31 must be greater than the design mitigation volume. Based on proposed Project Site conditions and Water Efficient Landscape Ordinance (WELO) water calculation prepared by the Project's landscape architect, the Estimated Total Water Use would be 1,535.90 cubic feet, 1,943.87 cubic feet, and 1,495.80 cubic feet, which is less than the design mitigation volume of 4,804 cubic feet, 2,663 cubic feet, and 5,195 cubic feet for Buildings A, B, and C, respectively. Therefore, under the currently proposed conditions, capture and use would be infeasible. Note that if the Applicant prefers to use a capture and use BMP, the site pervious area could potentially be increased accordingly until it is feasible.

If both infiltration and capture and use are determined to be infeasible, the final stormwater mitigation method considered will be biofiltration/bioretention. In this case the Project would propose the use of a bio-filtration system of sufficient size to accommodate the design mitigation volume. See **Exhibit 6** for preliminary BMP sizing calculations and LID concept plan.

Due to the incorporation of the LID BMP, which is an existing regulatory requirement the Project is obligated to adhere to, operation of the Project would not result in discharges that would cause: (1) pollution which would alter the quality of the waters of the State (i.e., Long Beach Harbor) to a degree which unreasonably affects beneficial uses of the waters; (2) contamination of the quality of the waters of the State by waste to a degree which creates a hazard to the public health through poisoning or through the spread of diseases; or (3) nuisance that would be injurious to health; affect an entire community or neighborhood, or any considerable number of persons; and occurs during or as a result of the treatment or disposal of wastes. Furthermore, operation of the Project would not result in discharges that would cause regulatory standards to be violated.

6.2.3 GROUNDWATER HYDROLOGY

The percolation of precipitation that falls on pervious surfaces is variable dependent upon the soil type, condition of the soil, vegetative cover, and other factors. Ground-disturbing activities for the Project include demolition of the existing surface parking lot and excavation to an average depth of 20 feet below grade for new subterranean parking structures within the northern and southern portions of the Development Area, as well as excavation to a depth of 28 feet below grade within discrete locations for elevator pits and associated footings. Based on the site-specific soils report prepared by Group Delta Consultants, Inc., groundwater was not encountered within the 50-foot depth explored. The Seismic Hazard Zone Report for the Los Angeles Quadrangle (CGS, 1998) indicates that the historic-high groundwater depth at the site is about 150 feet. Given the difference in elevation between the groundwater and excavation depth, it is unlikely that the proposed Project will encounter groundwater, and groundwater hydrology on-site will be minimally affected. In the event that groundwater is encountered, the Project will need to incorporate structural designs for subterranean levels that are able to withstand hydrostatic forces as well as comprehensive waterproofing systems in accordance with current industry standards and construction methods.

6.2.4 GROUNDWATER QUALITY

Operation of the Project would involve the limited use of potentially hazardous materials typical of those used in residential and commercial developments, including cleaning agents, paints, pesticides, and other materials used for landscaping. The potentially hazardous materials of the existing parking lot use include vehicle fluids (oil, gasoline, etc.), electrical waste, and trash. The Project proposes a reduction of impervious area and the implementation of BMPs to comply with LID and water quality regulations. All potentially hazardous materials would be used, stored, and disposed of in accordance with manufacturers' specifications and handled in compliance with applicable standards and regulations.

Based on the above, operations of the Project would not change the rate or direction of movement of existing contaminants, expand the area affected by contaminants, increase the level of groundwater contamination, or cause regulatory water quality standards at existing production wells to be violated.

7. CONCLUSIONS

Based on the analysis contained in this report, the Project will not negatively affect surface water hydrology, surface water quality, or groundwater.

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EXHIBIT 1 – EXISTING DRAINAGE AREAS

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EXHIBIT 2 – EXISTING RUNOFF HYDROCALC OUTPUT

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EXHIBIT 3 – PROPOSED DRAINAGE AREAS



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EXHIBIT 4 – PROPOSED RUNOFF HYDROCALC OUTPUT

Peak Flow Hydrologic Analysis

File location: K:/LDT_LDEV/194534002 - ROW DTLA/Reports/LID for Buildings/Hydrocalc/ROW DTLA - North Building - 50yr.pdf
Version: HydroCalc 1.0.3

Input Parameters

Project Name	ROW DTLA
Subarea ID	Prop. Building 3 (Ground Lot 3) 50-YR
Area (ac)	1.99
Flow Path Length (ft)	475.0
Flow Path Slope (vft/hft)	0.01
50-yr Rainfall Depth (in)	5.9
Percent Impervious	0.8
Soil Type	6
Design Storm Frequency	50-yr
Fire Factor	0
LID	False

Output Results

Modeled (50-yr) Rainfall Depth (in)	5.9
Peak Intensity (in/hr)	3.0052
Undeveloped Runoff Coefficient (Cu)	0.8226
Developed Runoff Coefficient (Cd)	0.8845
Time of Concentration (min)	7.0
Clear Peak Flow Rate (cfs)	5.2898
Burned Peak Flow Rate (cfs)	5.2898
24-Hr Clear Runoff Volume (ac-ft)	0.7401
24-Hr Clear Runoff Volume (cu-ft)	32239.6842



Peak Flow Hydrologic Analysis

File location: K:/LDT_LDEV/194534002 - ROW DTLA/Reports/LID for Buildings/Hydrocalc/ROW DTLA - South Building 4 - 50yr.pdf
Version: HydroCalc 1.0.3

Input Parameters

Project Name	ROW DTLA
Subarea ID	Prop. Building 4 (Ground Lot 4) 50-YR
Area (ac)	1.02
Flow Path Length (ft)	350.0
Flow Path Slope (vft/hft)	0.01
50-yr Rainfall Depth (in)	5.9
Percent Impervious	0.8
Soil Type	6
Design Storm Frequency	50-yr
Fire Factor	0
LID	False

Output Results

Modeled (50-yr) Rainfall Depth (in)	5.9
Peak Intensity (in/hr)	3.231
Undeveloped Runoff Coefficient (Cu)	0.8385
Developed Runoff Coefficient (Cd)	0.8877
Time of Concentration (min)	6.0
Clear Peak Flow Rate (cfs)	2.9255
Burned Peak Flow Rate (cfs)	2.9255
24-Hr Clear Runoff Volume (ac-ft)	0.3794
24-Hr Clear Runoff Volume (cu-ft)	16526.1194



Peak Flow Hydrologic Analysis

File location: K:/LDT_LDEV/194534002 - ROW DTLA/Reports/LID for Buildings/Hydrocalc/ROW DTLA - South Building 5 - 50yr.pdf
Version: HydroCalc 1.0.3

Input Parameters

Project Name	ROW DTLA
Subarea ID	Prop. Building 5 (Ground Lot 5) 50-YR
Area (ac)	1.84
Flow Path Length (ft)	460.0
Flow Path Slope (vft/hft)	0.01
50-yr Rainfall Depth (in)	5.9
Percent Impervious	0.8
Soil Type	6
Design Storm Frequency	50-yr
Fire Factor	0
LID	False

Output Results

Modeled (50-yr) Rainfall Depth (in)	5.9
Peak Intensity (in/hr)	3.0052
Undeveloped Runoff Coefficient (Cu)	0.8226
Developed Runoff Coefficient (Cd)	0.8845
Time of Concentration (min)	7.0
Clear Peak Flow Rate (cfs)	4.8911
Burned Peak Flow Rate (cfs)	4.8911
24-Hr Clear Runoff Volume (ac-ft)	0.6843
24-Hr Clear Runoff Volume (cu-ft)	29809.5572



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EXHIBIT 5 – LID HYDROCALC OUTPUT

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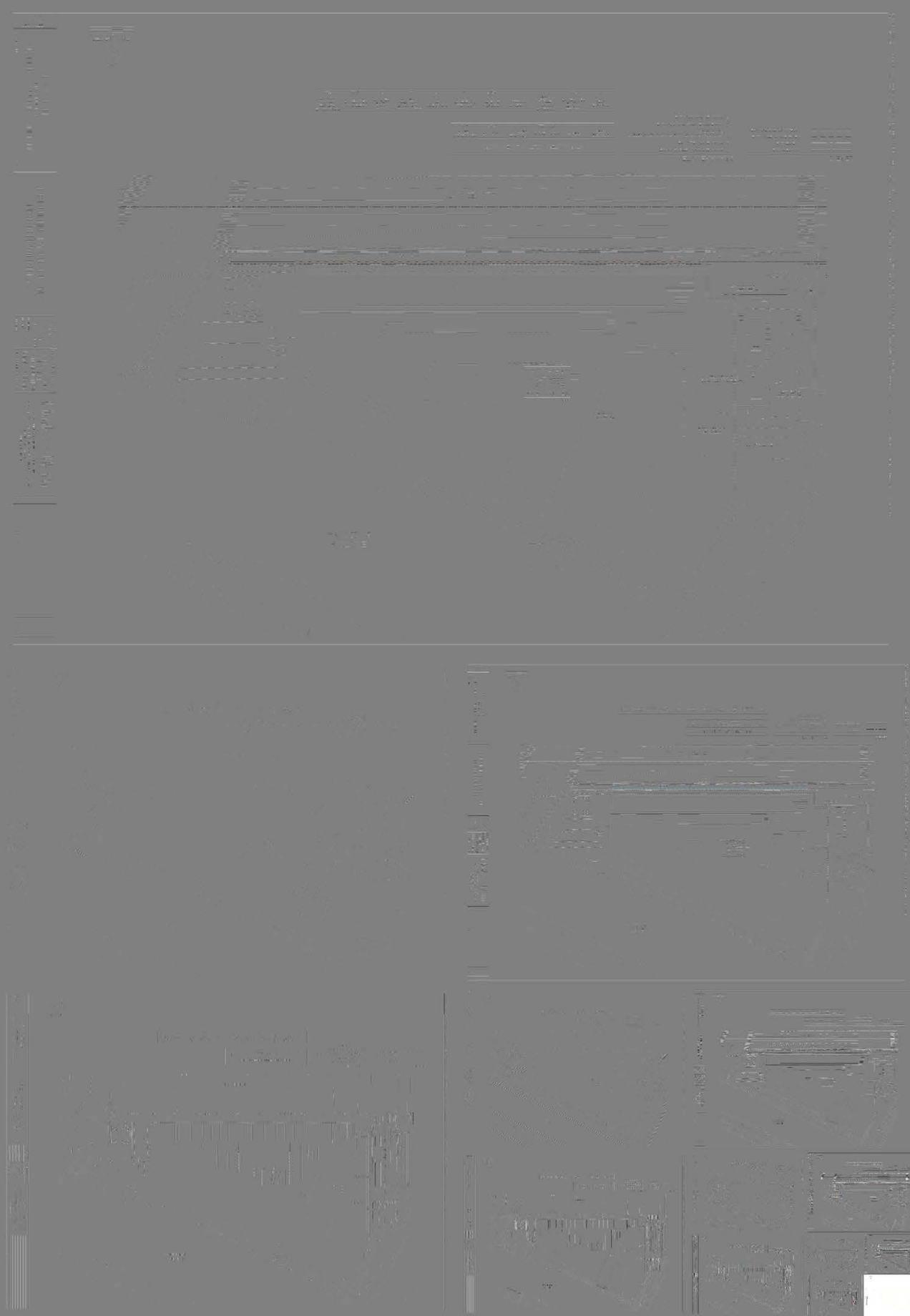
EXHIBIT 6 – LID BMP SIZING CALCULATIONS AND CONCEPT PLAN







ENERGY TECHNICAL REPORT

The ROW DTLA Residential Project
Los Angeles, CA

Prepared by:

Eyestone Environmental, LLC

May 2025

TABLE OF CONTENTS

Page

I. INTRODUCTION **1**

II. PROJECT LOCATION AND EXISTING USES **1**

III. PROJECT DESCRIPTION **2**

IV. SCOPE OF WORK **3**

V. ENVIRONMENTAL IMPACTS **3**

A. Regulatory Framework 3
B. Energy Methodology 3
C. Energy Impacts 6

Appendices

Appendix EN-1 Regulatory Framework

Appendix EN-2 Energy Worksheets

List of Tables

Page

Table 1 Summary of Energy Use During Construction 9

Table 2 Summary of Total Annual Energy Use During Project Operation 11

ENERGY TECHNICAL REPORT
FOR
THE ROW DTLA RESIDENTIAL PROJECT

I. Introduction

This Energy Technical Study (Technical Study) has been prepared to evaluate potential impacts related to energy resources due to construction and operation of the ROW DTLA Residential Project (Project) pursuant to the California Environmental Quality Act (CEQA).

The Project is located at 757–787 S. Alameda Street, 1318–1396 E. 7th Street, 736–796 S. Central Avenue, 1301–1327 E. 8th Street, 700–760 S. Market Court, 720–746 S. Terminal Street, and 760 S. Warehouse Street in the Downtown Community Plan area of the City of Los Angeles (City), presently know as ROW DTLA (Project Site). The Project proposes the redevelopment of two existing surface parking lots (Development Area) into a mixed-use development located on the north and south sides of Center Street, on the eastern edge of the Project Site. The Project proposes three eight-story buildings that would provide 1,000 total residential units, including 114 Very Low Income units, and 6,547 square feet of commercial uses. The Project would provide up to 1,092 vehicle parking spaces and approximately 529 bicycle parking spaces. The Project is expected to be completed in 2032.

On November 24, 2021, the City Council certified the Citywide Housing Element 2021–2029 and Safety Element Updates Final Environmental Impact Report (EIR), SCH No. 2021010130, EIR No. ENV-2020-6762-EIR (Program EIR), to adopt the 2021–2029 Citywide Housing Element and the Updates to the Safety Element and the Plan for a Healthy LA (Health Element). Pursuant to CEQA Guidelines Sections 15168(c)(4) and 15168(d), Projects that are found to be within the scope of the program analyzed in the Program EIR and its environmental effects do not require further CEQA documentation. The energy analysis below confirms that the Project would not result in significant energy impacts that were not already examined in the Program EIR.

II. Project Location and Existing Uses

The Project Site consists of three large, irregularly shaped parcels that collectively measure approximately 31 acres in size. The Project Site occupies the northern half of the

block bounded by E. 7th Street on the north, S. Central Avenue on the west, S. Alameda Street on the east, and E. Olympic Boulevard to the south, with the partially vacated former E. 8th and Bay streets providing internal access within the middle of the block.

The Project Site is located in an expansive industrial district east of Downtown Los Angeles. The area surrounding the Project Site is primarily developed with warehouses, cold storage facilities, small-scale manufacturing operations, and other industrial uses, though in more recent years newer commercial office, commercial retail, and residential uses have been developed in the vicinity of the Site.

The Project Site is comprised of an industrial complex historically called the Los Angeles Union Wholesale Terminal, previously owned by the Southern Pacific Railroad, which currently encompasses a total of eight buildings, including seven large industrial buildings that were constructed between 1917 and 1923, and a parking garage constructed in 2016 (the District).

The portion of the Project Site along Central Avenue is used as a wholesale produce market and an outdoor weekend market known as Smorgasburg. The middle portion of the Site between 7th and 8th Street supports 46 retailers and restaurants and another 48 office and hybrid office/light manufacturing tenants which span multiple industries including technology, apparel, construction, produce wholesale and consumer goods, with the exception of 747 S. Alameda Street, which is currently vacant. The Project Site also includes a ten-story concrete parking structure that was built in 2016 and is accessed via S. Alameda Street. The parking structure contains approximately 3,884 parking spaces.

The Development Area is located within the eastern portion of the Project Site along Alameda Street and is comprised of approximately 4.85 gross acres. The Development Area is currently developed with surface parking.

III. Project Description

The Project includes the development of three mixed-use buildings containing 1,000 residential units including 114 Very Low Income Housing units in three buildings and 6,547 square feet of commercial (retail/restaurant) uses within two buildings. Building A would include commercial space at the first floor; 410 residential units at the first through eighth floors; and two levels of subterranean parking. Building B would include 214 residential units at the first through eight floors and two levels of subterranean parking. Building C would include commercial space at the first floor; 376 residential units at the first through eighth floors; and two levels of subterranean parking. The proposed buildings would range from approximately 100 feet to 103 feet in height. Upon completion, 884,278 square feet of new floor would be provided in the Development Area. When accounting for the

existing floor area to remain, approximately 2,477,695 square feet of floor area would be provided within the Project Site with a total FAR of 1.86:1.

The Project would include up to 1,092 vehicular parking spaces. A total of 96,278 square feet of open space would also be provided. The existing uses within the remainder of the Project Site outside of the Development Area will remain and would not be modified by the Project.

IV. Scope of Work

The City of LA Housing Element Update Initial Study prepared an Energy analysis to identify potential impacts related to implementation of the City's updated Housing Element. Conclusions of the energy analysis within the Initial Study resulted in less than significant impacts. No further analysis was performed with regard to Energy within the Housing Element Update EIR.

The Project was assessed for Energy impacts consistent with CEQA Guidelines Appendix F. The following analysis addresses the energy consumption and energy efficiency of construction and operation of the Project. The analysis also demonstrates consistency of the Project with the Energy analysis contained in the City of LA Housing Element Update Initial Study. Calculation worksheets, assumptions, and model outputs for the Energy analysis are included in Appendix EN-2.

V. Environmental Impacts

A. Regulatory Framework

There are several plans, regulations, and programs that include policies, requirements, and guidelines regarding Energy at the federal, state, regional, and local levels. These regulations are included as Appendix EN-1.

B. Energy Methodology

In accordance with Appendix G of the State CEQA Guidelines, the Project would have a significant impact related to energy if it would:

Threshold (a): Result in potentially significant environmental impact due to wasteful, inefficient, or unnecessary consumption of energy resources, during project construction or operation.

Threshold (b): Conflict with or obstruct a state or local plan for renewable energy or energy efficiency.

With regard to Threshold (a), this analysis relies upon Appendix F of the CEQA Guidelines, prepared in response to the requirement in PRC Section 21100(b)(3), which states that an energy analysis shall include a detailed statement setting forth "[m]itigation measures proposed to minimize significant effects of the environment, including, but not limited to, measures to reduce the wasteful, inefficient, and unnecessary consumption of energy."

In addition, with regard to potential impacts to energy, the *L.A. CEQA Thresholds Guide* states that a determination of significance shall be made on a case-by case basis, considering the following factors:

- The extent to which the project would require new (off-site) energy supply facilities and distribution infrastructure, or capacity-enhancing alterations to existing facilities;
- Whether and when the needed infrastructure was anticipated by adopted plans; and
- The degree to which the project design and/or operations incorporate energy-conservation measures, particularly those that go beyond City requirements.

In accordance with Appendix F and the *L.A. CEQA Thresholds Guide*, the following factors were considered in determining whether this threshold of significance is met:

1. The Project's energy requirements and its energy use efficiencies by amount and fuel type for each stage of the Project, including construction, operation, maintenance, and/or removal. If appropriate, the energy intensiveness of materials may be discussed;
2. The effects of the Project on local and regional energy supplies and on requirements for additional capacity;
3. The effects of the Project on peak and base period demands for electricity and other forms of energy;
4. The degree to which the Project complies with existing energy standards;
5. The effects of the Project on energy resources;
6. The Project's projected transportation energy use requirements and its overall use of efficient transportation alternatives.

7. The degree to which the Project design and/or operations incorporate energy-conservation measures, particularly those that go beyond City requirements.

(1) Construction

During Project construction, energy would be consumed in the form of electricity associated with the conveyance of water used for dust control (including supply and conveyance) and, on a limited basis, powering lights, electronic equipment, or other construction activities necessitating electrical power.[1] Electricity usage associated with the supply and conveyance of water used for dust control during construction was calculated using CalEEMod.[2] Electricity used to power lighting, electronic equipment, and other construction activities necessitating electrical power was calculated based on data provided in South Coast Air Quality Management District (SCAQMD) construction surveys (i.e., construction activity, horsepower, load factor, and hours of use per day).[3] Although the Development Area would use electricity from poles where possible, electricity demand calculations were based on the SCAQMD construction surveys which identify the use of diesel generators to supply construction sites with electrical power.

In terms of natural gas, construction activities typically do not involve the consumption of natural gas and current plans do not involve use of natural gas-powered construction equipment.

Project construction would also consume energy in the form of petroleum-based fuels associated with the use of off-road construction vehicles and equipment on the Development Area construction worker travel to and from the Development Area, and delivery and haul truck trips (e.g., the hauling of demolition material to off-site reuse and disposal facilities). Fuel consumption from on-site heavy-duty construction equipment was calculated based on the equipment mix and usage factors provided in the CalEEMod construction output files included in Appendix EN-2 of this Technical Report. The total horsepower was then multiplied by fuel usage estimates per horsepower-hour included in Table A9-3-E of the SCAQMD *CEQA Air Quality Handbook*. Fuel consumption from construction worker, vendor, and delivery/haul trucks was calculated using the trip rates and distances provided in the CalEEMod construction output files. Total vehicle miles traveled (VMT) was then calculated for each type of construction-related trip and divided by the corresponding county-specific miles per gallon factor using CARB's EMFAC 2021 model (EMFAC2021). EMFAC provides the total annual VMT and fuel consumed for each vehicle type. Consistent with CalEEMod,

---

1 *Construction activities include demolition of the existing site, site preparation, grading, building construction, building finishes, landscaping and paving.*

2 *California Air Pollution Control Officers Association, CalEEMod™ Version 2022.1 User's Guide, April 2022.*

3 *California Air Pollution Control Officers Association, CalEEMod Users Guide, Appendix D, Technical Source Documentation, April 2022.*

construction worker trips were assumed to include 50 percent light duty gasoline auto and 50 percent light duty gasoline trucks. Construction vendor and delivery/haul trucks were assumed to be heavy-duty diesel trucks. Refer to Appendix EN-2 of this Technical Report for detailed calculations.

(2) Operation

Annual consumption of electricity (including electricity usage associated with the supply and conveyance of water) and natural gas (e.g., restaurant cooking use) was calculated using demand factors provided in CalEEMod and accounting for the City's All-Electric Ordinance which does not allow natural gas usage for new developments with exceptions for certain uses such as restaurant cooking (Ordinance No. 187,714).[4]

Energy impacts associated with transportation during operation were also assessed. Daily trip generation used in this analysis was based on *Transportation Assessment for the Alameda Square Prcject* dated March 2025 (Transportation Assessment).[5] As discussed therein, the Project daily VMT was calculated using the Los Angeles Department of Transportation (LADOT) VMT Calculator. Based on this annual VMT, gasoline and diesel consumption rates were calculated using the County-specific mpg calculated using EMFAC2021. The vehicle fleet mix for vehicles anticipated to visit the Development Area was calculated consistent with the CalEEMod default for Los Angeles County. Supporting calculations are provided in Appendix EN-2. These calculations were used to determine if the Project would cause the wasteful, inefficient and/or unnecessary consumption of energy as required by Appendix F and Appendix G of the CEQA Guidelines.

The Project's estimated energy demands were also analyzed relative to Los Angeles Department of Water and Power's (LADWP's) and SoCalGas' existing and planned energy supplies in 2032 (i.e., the Project buildout year) to determine if these two energy utility companies would be able to meet the Project's energy demands.

C. Energy Impacts

(1) Impact Determination in the Housing Element Update EIR

A summary of the energy analysis from Environmental Checklist Section 6 Energy, of the Housing Element Update Initial Study, is provided below. In accordance with Appendix G of the State CEQA Guidelines, the energy analysis addressed whether the Housing Element Update would have a significant impact related to energy if it would:

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[4] *In accordance with Ordinance No. 187,714, restaurant cooking uses will consume natural gas.*

[5] *Gibson Transportation Consultants, Inc., Transportation Assessment for The ROW DTLA Residential Prcject, Los Angeles, California, March 2025.*

Threshold (a): Result in potentially significant environmental impact due to wasteful, inefficient, or unnecessary consumption of energy resources, during project construction or operation.

Threshold (b): Conflict with or obstruct a state or local plan for renewable energy or energy efficiency.

With regard to Threshold (a) of CEQA Guidelines Appendix G, as evaluated in the Housing Element Update Initial Study, implementation of the Housing Element Update would not result in wasteful, inefficient, or unnecessary consumption of energy resources during construction or operations. As such, impacts were found to be less than significant.

With regard to Threshold (b) of CEQA Guidelines Appendix G, as evaluated in the Housing Element Update Initial Study, implementation of the Housing Element Update would not conflict with plans for renewable energy or energy efficiency. As such, impacts were found to be less than significant.

(2) Impact Analysis

The following analysis addresses requirements of Appendix F and Appendix G of the CEQA Guidelines, to determine whether Threshold (a) and Threshold (b) of Appendix G of the CEQA Guidelines would be exceeded.

a. Would the project result in potentially significant environmental impact due to wasteful, inefficient, or unnecessary consumption of energy resources, during project construction or operation?

Less Than Significant Impact. Regarding Energy Threshold (a), this analysis relies upon Appendix F of the CEQA Guidelines discussed above.

The Project would consume energy during construction and operational activities. Sources of energy for these activities would include electricity usage, natural gas consumption, and transportation fuels such as diesel and gasoline. The analysis below includes the Project's energy requirements and energy use efficiencies by fuel type for each stage of the Project (construction, operation, and maintenance activities). For purposes of this analysis, Project maintenance would include activities such as repair of structures, landscaping and architectural coatings. Energy usage related to Project maintenance activities are assumed to be included as part of Project operations. Project removal activities of the structures constructed under this Project would include demolition or abandonment of the site. However, it is not known when or even if the Project would be removed. Therefore, analysis of energy usage related to Project removal activities would be speculative. For this reason, energy usage related to Project removal was not analyzed.

Construction

During Project construction, energy would be consumed in the form of electricity associated with the conveyance of water used for dust control and, on a limited basis, powering lights, electronic equipment, or other construction activities necessitating electrical power. As discussed below, construction activities, including the construction of the new buildings, typically do not involve the consumption of natural gas. Project construction would also consume energy in the form of petroleum-based fuels associated with the use of off-road construction vehicles and equipment on the Development Area, construction worker travel to and from the Development Area, and delivery and haul truck trips (e.g., hauling of demolition material to off-site reuse and disposal facilities).

Electricity

Electricity would be supplied to the Development Area by LADWP and would be obtained from both existing infrastructure serving the Project Site and gas- and/or diesel-powered portable generators, as required. As shown in Table 1 on page 9, approximately 50,936 kilowatt-hours (kWh) of electricity would be consumed during Project construction. The electricity demand at any given time would vary throughout the construction period based on the construction activities being performed and would cease upon completion of construction. When not in use, electric equipment would be powered off to avoid unnecessary energy consumption. In addition, although Title 24 (building energy efficiency standards) requirements typically apply to energy usage for buildings, long-term construction lighting providing illumination for the Development Area and staging areas would also comply with applicable Title 24 requirements (includes limits on the wattage allowed per specific area), which would result in the conservation of energy. Therefore, the use of electricity during Project construction would be minimal and would not be wasteful, inefficient, or unnecessary.

Natural Gas

Construction activities, including the construction of the new buildings, typically do not involve the consumption of natural gas. Accordingly, natural gas would not be supplied to support Project construction activities; thus, there would be no demand generated during construction.

Transportation Energy

The petroleum-based fuel use summary provided in Table 1 represents the amount of transportation energy (i.e., gasoline and diesel) that could potentially be consumed during Project construction based on a conservative set of assumptions. As shown, on- and off-road vehicles would consume an estimated 603,400 gallons of gasoline and approximately

Table 1
Summary of Energy Use During Construction[a]

Fuel Type	Quantity
Electricity	
Water Consumption (Dust Control)[b]	1,695 kWh
Construction Temporary Power (Lighting, power tools)	49,241 kWh
Total Electricity	**50,936 kWh**
Gasoline	
On-Road Construction Equipment	603,400 gallons
Off-Road Construction Equipment	0 gallons
Total Gasoline	**603,400 gallons**
Diesel	
On-Road Construction Equipment	554,701 gallons
Off-Road Construction Equipment	110,113 gallons
Total Diesel	**664,814 gallons**

kWh = kilowatt-hour
Note: Numbers may not add up exactly due to rounding.
[a] *Detailed calculations are provided in Appendix EN-2 of this Technical Report.*
[b] *Energy usage associated with supply and conveyance of water from the source.*
Source: Eyestone Environmental, 2025.

664,814 gallons of diesel fuel throughout the Project's construction. For comparison purposes, the fuel usage during Project construction would represent approximately 0.016 percent of the 2026 (start year of construction) annual on-road gasoline-related energy consumption and 0.107 percent of the 2026 annual diesel fuel-related energy consumption in Los Angeles County.[6]

Operation

During operation of the Project, energy would be consumed for multiple purposes, including, but not limited to HVAC; refrigeration; lighting; and the use of electronics, equipment, and machinery. Energy would also be consumed during Project operations related to water usage, solid waste disposal, and vehicle trips. The Project would increase electrification by installing space heating, water heating and residential appliances (cooking, clothes dryers) powered by electricity while restaurant cooking would be powered by natural gas consistent with the City's Ordinance 187,714 (All-Electric Building Ordinance).

[6] *California Air Resources Board, EMFAC2021 Web Database, www.arb.ca.gov/emfac. Details provided in Appendix EN-2 of this Technical Report.*

Electricity

As the Project would comply with Title 24 standards and applicable requirements of the City's Green Building Code, buildout of the Project would result in a projected net increase in the on-site demand for electricity totaling approximately 8,241,221 kWh per year (refer to Table 2 on page 11). Based on LADWP's 2022 Resource Plan, LADWP forecasts that its total energy sales in the 2032–2033 fiscal year (the Project's buildout year) will be 23,737 gigawatt hour (GWh) of electricity.[7] As such, the Project-related net increase in annual electricity consumption would represent only approximately 0.035 percent of LADWP's projected sales in 2032–2033. As discussed above in Appendix EN-1, Regulatory Framework, one of the objectives of SB 350 is to increase procurement of California's electricity from renewable sources from 33 percent to 50 percent by 2030. LADWP is committed to ensuring the sustainability of its power supply and is required to procure at least 50 percent of its energy portfolio from renewable sources by 2030, which will ensure that projected supplies will be more than sufficient to meet demand.

Natural Gas

The Southern California Gas Company (SoCalGas) currently provides natural gas service to the Project Site. With compliance of Title 24 standards and applicable requirements of the City's Green Building Code (including the City's All-Electric Ordinance), buildout of the Project is anticipated to generate a net increase in the on-site demand for natural gas totaling approximately 437,713 cubic feet (cf) per year, or approximately 1,199 cf per day. Based on the 2024 California Gas Report, the California Energy and Electric Utilities estimates natural gas consumption within SoCalGas's planning area will be approximately 1.97 billion cf per day in 2032.[8] The Project, with an increase in natural gas consumption of 1,199 cf per day, would represent approximately 0.00006 percent of SoCalGas' 2032 forecasted annual consumption in SoCalGas' planning area.[9] As such, Project operation would not use natural gas in an inefficient, wasteful, or unnecessary manners, and operational impacts to transportation energy would be less than significant.

Transportation Energy

During operation, Project-related traffic would result in the consumption of petroleum-based fuels related to vehicular travel to and from the Development Area. As shown in Table 2, the Project's demand for gasoline and diesel would be approximately 386,543 and 70,640 gallons per year, respectively. The Development Area, is located in a Job Center,

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7 *LADWP, 2022 Final Power Strategic Long-Term Resource Plan.*

8 *California Gas and Electric Utilities, 2024 California Gas Report.*

9 *Consistent with Ordinance 187,714, the Project will include 437,713 cf/year of natural gas usage for restaurant cooking.*

Table 2
Summary of Total Annual Energy Use During Project Operation[a]

Source	Project with Project Features
Electricity	
Building	7,686,061 kWh
Water	353,653 kWh
EV Chargers	201,507 kWh
Total Electricity	**8,241,221 kWh**
Natural Gas	437,713 cf
Mobile (Transportation)	
Gasoline	386,543 gallons
Diesel	70,640 gallons
Total Transportation Fuel	**457,183 gallons**

cf = cubic feet
kWh = Kilowatt-hour
EV = electric vehicle
[a] *Detailed calculations are provided in Appendix EN-2 of this Technical Report. Energy usage presented is net increase (new construction minus existing uses to be removed).*
Source: Eyestone Environmental, 2025.

City-designated TPA, SCAG-designated HQTA under the 2020–2045 RTP/SCS and SCAG-designated PDA (i.e., Neighborhood Mobility Area, Livable Corridor, and TPA), as well as an HQTC under the 2024–2050 RTP/SCS which indicates that the Development Area is an appropriate site for increased density and employment opportunities from a "smart growth" regional planning perspective.[10]

Extensive public transit service is also provided in the vicinity of the Project Site, including the Development Area. The existing transit services in the vicinity of the Development Area would provide Project employees, residents, and guests with various public transportation opportunities in lieu of driving. Additionally, the Project would provide bicycle parking areas for Project residents and guests. The Project would also incorporate transportation demand management (TDM) measures that would reduce trips and VMT as compared to standard ITE trip generation rates including reduced parking, pedestrian project enhancements, and bicycle parking. Furthermore, the Project would install EV-ready and EV-equipped parking spaces as part of the Project. As such, Project operation would not

[10] *According to the 2020–2045 RTF/SCS an HQTA is a corridor-focused Priority Growth Area (PGA) within 0.5 mile of an existing or planned fixed guideway transit stop or a bus transit corridor where buses pick up passengers at a frequency of every 15 minutes (or less) during peak commuting hours.*

use transportation energy in an inefficient, wasteful, or unnecessary manners, and operational impacts to transportation energy would be less than significant.

Conclusion

As previously discussed, CEQA Guidelines Appendix F recommends quantification of a project's energy requirements and its energy use efficiencies by amount and fuel type for each stage of the project's life cycle including construction, operation, maintenance, and/or removal. In addition, per CEQA Guidelines Appendix F, if appropriate, the energy intensiveness of materials may be discussed. The Project's energy requirements were calculated based on the methodology contained in CalEEMod for electricity and natural gas usage. As discussed previously, Project VMT data were calculated using LADOT's VMT calculator which incorporates reduction measures such as increased density and proximity to mass transit. The calculations also took into account energy efficiency measures such as Title 24, CalGreen Code, and vehicle fuel economy standards. Table 1 and Table 2 on pages 9 and 11, respectively, provide a summary of Project construction and operational energy usage, respectively. During Project construction activities, a total of 50,936 kWh of electricity would be consumed along with 1,268,214 gallons of transportation fuel (gasoline and diesel). During Project operation, a total of 8,241,221 kWh of electricity, 437,713 cf of natural gas, and 457,183 gallons of transportation fuel would be consumed on an annual basis. Details are provided in Appendix EN-2 of this technical report.

b. The effects of the prcject on local and regional energy supplies and on requirements for additional capacity

Construction

As discussed above, electricity would be intermittently consumed during the conveyance of the water used to control fugitive dust, as well as to provide electricity for temporary lighting and other general construction activities. The electricity demand at any given time would vary throughout the construction period based on the construction activities being performed and would cease upon completion of construction. When not in use, electric equipment would be powered off to avoid unnecessary energy consumption. The estimated construction electricity usage would represent less electricity usage than the estimated electricity usage during operation which, as discussed below, would be within the supply and infrastructure service capabilities of LADWP. As previously discussed above, construction activities, including the construction of new buildings and facilities, typically do not involve the consumption of natural gas. Accordingly, natural gas would not be supplied to support Project construction activities. Thus, there would be no demand generated by construction, resulting in a net decrease when compared to existing operations. Transportation fuel usage during Project construction activities would represent approximately 0.016 percent of gasoline usage and approximately 0.107 percent of diesel usage within Los Angeles County,

respectively.[11] As energy consumption during Project construction activities would be relatively negligible, the Project would not affect local or regional energy supplies and would not require additional capacity during construction.

Operation

Based on LADWP's 2022 Power Strategic Long-Term Resources Plan, LADWP forecasts that its total energy sales in the 2032–2033 fiscal year (the Project's buildout year) will be 23,737 GWh of electricity.[12] As such, the Project-related increase in annual electricity consumption of 8,241,221 kWh per year would represent approximately 0.035 percent of LADWP's projected sales in 2032.

Based on the 2024 California Gas Report, the California Energy and Electric Utilities estimates natural gas consumption within SoCalGas's planning area will be approximately 1.97 billion cf per day in 2032.[13] The Project, with an increase in natural gas consumption of 1,199 cf per day, would represent approximately 0.00006 percent of SoCalGas' 2032 forecasted consumption in SoCalGas' planning area.[14]

At buildout, the Project would result in an increase of 386,543 gallons of gasoline and 70,640 gallons of diesel per year, or a total of 457,183 gallons of petroleum-based fuels consumed per year, as shown in Appendix EN-2. Transportation fuel usage during Project operational activities would represent approximately 0.012 percent of gasoline and diesel usage within Los Angeles County.[15]

As energy consumption during Project operation would be relatively negligible, compared to total supply by energy providers, and the Project's energy requirements would be within LADWP's and SoCalGas' service provisions, Project impacts on energy usage during operation would be less than significant.

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[11] *California Air Resources Board, EMFAC2021 Web Database, www.arb.ca.gov/emfac.*

[12] *LADWP, 2022 Final Power Strategic Long-Term Resource Plan.*

[13] *California Gas and Electric Utilities, 2024 California Gas Report.*

[14] *Consistent with Ordinance 187,714, the Prcject will include 437,713 cf/year of natural gas usage for restaurant cooking.*

[15] *The gasoline usage percentage is derived by taking the annual gasoline usage during Prcject operations (386,543 gallons) and dividing that number by the total amount of gasoline usage within LA County during the same year (3,358,385,245 gallons) to arrive at 0.012 percent. The diesel usage percentage is derived by taking the annual diesel usage during Prcject operations (70,640 gallons) and dividing that number by the total amount of diesel usage within LA County during the same year (612,370,685 gallons) to arrive at 0.012 percent.*

c. The effects of the prcject on peak and base period demands for electricity and other forms of energy

As discussed above, electricity demand during construction and operation of the Project would have a negligible effect on the overall capacity of LADWP's power grid and base load conditions. In addition, LADWP's annual growth projection in peak demand of the electrical power grid of 0.4 percent would be sufficient to account for future electrical demand by the Project.[16] Therefore, Project electricity consumption during operation would have a negligible effect on load conditions of the power grid.

As discussed above, natural gas demand during operations would result in an increase of natural gas usage onsite. Based on the 2024 California Gas Report, the California Energy and Electric Utilities estimated natural gas consumption within SoCalGas' planning area would be approximately 1.97 billion cf per day in 2032 (the Project's buildout year).[17] The Project, with an increase in natural gas consumption of 1,199 cf per day, in compliance with City Ordinance 187,714 would represent approximately 0.00006 percent of SoCalGas' 2032 forecasted consumption in SoCalGas' planning area. In addition, as previously described, the Project would incorporate a variety of energy conservation measures to reduce energy usage.

d. The degree to which the prcject complies with existing energy standards

Although Title 24 requirements typically apply to energy usage for buildings, long-term construction lighting providing illumination for the Project Site and staging areas would also be required to comply with applicable Title 24 requirements (including limits on the wattage allowed per specific area). In addition, construction equipment would comply with energy efficiency requirements contained in the Federal Energy Independence and Security Act and previous Energy Policy Acts for electrical motors and equipment.[18] Electricity and natural gas usage during Project operation is presented in Table 2 on page 11; this electricity and natural gas usage would comply with Title 24 standards and applicable CALGreen requirements as well as the Los Angeles Green Building Code. The Project would include all electric HVAC systems and Energy Star–labeled all electric appliances in residential areas. Therefore, Project construction and operational activities would comply with existing energy standards with regards to electricity and natural gas usage.

Regarding transportation fuels, trucks and equipment used during proposed construction activities for the Project would comply with CARB's anti-idling regulations as well as the In-Use Off-Road Diesel-Fueled Fleets regulation. Although these regulations are

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16 *LADWP, 2018 Retail Electric Sales and Demand Forecast.*

17 *California Gas and Electric Utilities, 2024 California Gas Report.*

18 *Energy Independence and Security Act of 2007, Public Law 110-140.*

intended to reduce criteria pollutant emissions, compliance with the anti-idling and emissions regulations would also result in efficient use of construction-related energy. During Project operation, it is assumed that vehicles traveling to and from the Project Site would comply with CAFE fuel economy standards, as required.

e. Effects of the Prcject on Energy Resources

LADWP's electricity generation is derived from a mix of non-renewable and renewable sources such as coal, natural gas, solar, geothermal wind, and hydropower. The LADWP's most recently adopted 2022 Power Strategic Long-Term Resources Plan identifies adequate resources (natural gas, coal) to support future generation capacity. Therefore, Project construction and operation activities would have a negligible effect on electricity supply.

Natural gas supplied to Southern California is mainly sourced from out of state with a small portion originating in California. Sources of natural gas for the Southern California region are obtained from locations throughout the western United States as well as Canada.[19] According to the U.S. Energy Information Administration (EIA), the United States currently has over 86 years of natural gas reserves.[20] Compliance with energy standards is expected to result in more efficient use of natural gas (lower consumption) in future years. Therefore, Project construction and operation activities would have a negligible effect on natural gas supply.

Transportation fuels (gasoline and diesel) are produced from crude oil, which is imported from various regions around the world. Based on current proven reserves, crude oil production would be sufficient to meet consumption through 2050.[21] The Project would also comply with CAFE fuel economy standards, which would result in more efficient use of transportation fuels (lower consumption). Therefore, Project construction and operation activities would have a negligible effect on the transportation fuel supply.

As discussed above, LADWP is required to procure at least 50 percent of their energy portfolio from renewable sources by 2030. The current sources of renewable energy procured by LADWP include wind, solar, and geothermal sources. These sources accounted for 39.5 percent of LADWP's overall energy mix in 2023, the most recent year for which data

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[19] *California Gas and Electric Utilities, 2024 California Gas Report.*

[20] *U.S. Energy Information Administration, Frequently Asked Questions, www.eia.gov/tools/faqs/faq.php?id=58&t=8, accessed May 5 2025.*

[21] *U.S. Energy Information Administration, Frequently Asked Questions, www.eia.gov/tools/faqs/faq.php?id=38&t=6, accessed May 5, 2025.*

is available.[22] This represents the available off-site renewable sources of energy that would meet the Project's energy demand.

With regard to on-site renewable energy sources, the Project would include photovoltaic and solar thermal collectors or one of the other very narrow set of permitted alternatives as required by Title 24. However, due to the Project Site's location, other on-site renewable energy sources would not be feasible to install on-site as there are no local sources of energy from the following sources: biodiesel, biomass hydroelectric and small hydroelectric, digester gas, methane, fuel cells, landfill gas, municipal solid waste, ocean thermal, ocean wave, and tidal current technologies, or multi-fuel facilities using renewable fuels. Furthermore, wind-powered energy is not viable on the Project Site due to the lack of sufficient wind in the Los Angeles basin. Specifically, based on a map of California's wind resource potential, the Project Site is not identified as an area with wind resource potential.[23]

f. The prcject's prcjected transportation energy use requirements and its overall use of efficient transportation alternatives

As discussed above, at buildout, the Project would result in an increase of 386,543 gallons of gasoline and 70,640 gallons of diesel per year, or a total of 457,183 gallons of petroleum-based fuels consumed per year, as shown in Appendix EN-2. Transportation fuel usage during Project operational activities would represent approximately 0.012 percent of gasoline and diesel usage within Los Angeles County.[24] Furthermore, the Project would implement required TDM measures and include project features to reduce VMT during operational activities.[25] The Project's high-density design and location in proximity to transit, job centers and retail uses would allow for residents to live closer to services and shopping areas, reducing VMT. The Project design, which would include dedicated bicycle parking facilities and an improved streetscape with pedestrian amenities, would also encourage non-automotive forms of transportation such as walking or biking to destinations. Therefore, the Project would encourage the use of efficient transportation alternatives.

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[22] *LADWP Annual Power Content Labels for 2023, www.ladwp.com/powercontent, accessed May 5, 2025.*

[23] *California Energy Commission, Systems Assessment & Facilities Siting Division Cartography Unit, California Wind Resource Potential Map,.*

[24] *The gasoline usage percentage is derived by taking the annual gasoline usage during Prcject operations (386,543 gallons) and dividing that number by the total amount of gasoline usage within LA County during the same year (3,358,385,245 gallons) to arrive at 0.012 percent. The diesel usage percentage is derived by taking the annual diesel usage during Prcject operations (70,640 gallons) and dividing that number by the total amount of diesel usage within LA County during the same year (612,370,685 gallons) to arrive at 0.012 percent.*

[25] *The Transportation Assessment did not include required TDM measures to provide a conservative analysis. For analysis of air quality, GHG, energy and noise impacts, VMT was calculated to incorporate required TDM measures as to not over estimate impacts for these analyses.*

g. The degree to which the project design and/or operations incorporate energy-conservation measures, particularly those that go beyond City requirements

The Project would comply the City of LA Green Building Code. The current City of LA Green Building Code requires compliance with CALGreen and California's Building Energy Efficiency Standards (Title 24).

The City has also adopted several plans and regulations to promote the reduction, reuse, recycling, and conversion of solid waste going to disposal systems. These regulations include the City of Los Angeles Solid Waste Management Policy Plan, the RENEW LA Plan, and the Exclusive Franchise System Ordinance (Ordinance No. 182,986). These solid waste reduction programs and ordinances, which the Project would comply with, help to reduce the number of trips associated with hauling solid waste, thereby reducing the amount of petroleum-based fuel consumed. Furthermore, recycling efforts indirectly reduce the energy necessary to create new products made of raw material, which is an energy-intensive process. Thus, through compliance with the City's construction-related solid waste recycling programs, the Project would contribute to reduced fuel-related energy consumption.

Conclusion

As demonstrated in the analysis above, the Project's energy requirements would not significantly affect local and regional supplies or capacity. The Project's energy usage would be consistent with electricity and natural gas future projections for the region. Electricity generation capacity and supplies of natural gas and transportation fuels would be sufficient to meet the needs of Project-related construction and operational activities. During construction, the Project would comply with Title 24 energy efficiency standards where applicable resulting in efficient use of energy. During operation, the Project would comply with applicable energy efficiency requirements such as CALGreen and Title 24. As such, the Project would not result in potentially significant environmental impacts due to wasteful, inefficient, or unnecessary consumption of energy resources, and the Project would result in less-than-significant impacts on energy resources. ***The Project would not involve any new significant energy impacts or increase the less than significant impacts identified in the Housing Element Update EIR.***

b. Would the project conflict with or obstruct a state or local plan for renewable energy or energy efficiency?

Less Than Significant Impact. Regarding Energy Threshold (b), the Project was evaluated for consistency with adopted energy conservation plans and policies relevant to the Project. Such adopted energy conservation plans and policies include Title 24 energy efficiency requirements, CALGreen, and City building codes. Also, as discussed throughout this Technical Report, the Project would be consistent with SCAG's RTP/SCS, which includes goals to reduce VMT and a corresponding decrease in fuel consumption.

As discussed under Checklist Section 5.VIII, Greenhouse Gas Emissions, the City published its LA Green Plan/ClimateLA in 2007 as well as the Green New Deal Sustainable City pLAn in 2019, which outlines goals and actions by the City to reduce GHG emissions. To facilitate implementation of the LA Green Plan/Climate LA, the City adopted the Green Building Code. The Project would comply with applicable regulatory requirements for the design of new buildings, including the provisions set forth in the 2022 CALGreen Code and California's Building Energy Efficiency Standards, which have been incorporated into the City's Green Building Code.

Regarding transportation uses, the Project design would reduce average VMT throughout the region and encourage use of alternative modes of transportation. The Project would also be consistent with regional planning strategies that address energy conservation. SCAG's 2020–2045 RTP/SCS and 2024–2050 RTP/SCS focus on creating livable communities with an emphasis on sustainability and integrated planning, and identifies mobility, economy, and sustainability as the three principles most critical to the future of the region. As part of the approach, SCAG's 2020–2045 RTP/SCS and 2024–2050 RTP/SCS focuses on reducing fossil fuel use by decreasing VMT, reducing building energy use, and increasing use of renewable sources. The Project would be consistent with the energy efficiency policies emphasized in SCAG's 2020–2045 RTP/SCS and 2024–2050 RTP/SCS. Most notably, the Project would be an infill mixed-use development developed within an HQTA, PDA (i.e., NMA, Livable Corridor, TPA), HQTC, and Job Center. The Project would be developed in close proximity to neighborhood services, jobs, and shopping and entertainment opportunities, and would be well-served by existing public transportation, including Metro and LADOT DASH. The introduction of new housing and job opportunities within an HQTA, as proposed by the Project, would be consistent with numerous policies in the 2020–2045 RTP/SCS and 2024–2050 RTP/SCS related to locating new housing and jobs near transit. The 2020–2045 RTP/SCS and 2024–2050 RTP/SCS would result in an estimated 19 percent decrease in VMT by 2035. The State Office of Planning and Research recommended that achieving 15 percent lower per capita (residential or employee) VMT than existing development is both generally achievable and is supported by evidence that connects this level of reduction to the State's emissions goals (i.e., SB 375 goal).

Consistent with the 2020–2045 RTP/SCS and 2024–2050 RTP/SCS, the Project would result in an approximately 27-percent reduction in VMT from mobile sources in comparison to a Project without reduction measures (e.g., density and proximity to transit, TDM measures, and mitigation measures), and, consequently, the Project's

petroleum-based fuel usage would be reduced.[26,27] In addition, the Project would comply with state energy efficiency requirements, and would use electricity from LADWP, which has a current renewable energy mix of 39.5 percent. All these features would serve to reduce the consumption of electricity, natural gas, and transportation fuel consistent with the goals of the 2020–2045 RTP/SCS and 2024–2050 RTP/SCS.

The Project would be subject to the energy conservation requirements of the California Energy Code (Title 24 of the California Code of Regulations, Part 6) and the California Green Building Standards Code (24 CCR part 11). The California Energy Code provides energy conservation standards for all new residential and commercial buildings constructed in California. The California Energy Code applies to the building envelope, space-conditioning systems, and water-heating and lighting systems of buildings and appliances. The California Energy Code provides guidance on construction techniques to maximize energy conservation. Minimum efficiency standards are given for a variety of building elements, including appliances; water and space heating and cooling equipment; and insulation for doors, pipes, walls and ceilings. The California Energy Code also emphasizes saving energy at peak periods and seasons and improving the quality of installation of energy efficiency measures. In addition, the California Green Building Standards Code sets targets for: energy efficiency; water consumption; dual plumbing systems for potable and recyclable water; diversion of construction waste from landfills; and use of environmentally sensitive materials in construction and design, including eco-friendly flooring, carpeting, paint, coatings, thermal insulation, and acoustical wall and ceiling panels.

The City's Sustainable City pLAn also establishes short-term and long-term energy and conservation targets geared towards advancing the City's economy and equity. In 2019, the City of Los Angeles prepared the 2019 Green New Deal, which provided an expanded vision of the City's Sustainable City pLAn, focusing on securing clean air and water and a stable climate, improving community resilience, expanding access to healthy food and open space, and promoting environmental justice for all. Through the Green New Deal, the City would cut an additional 30 percent in GHG emissions above and beyond the City's Sustainable City pLAn to ensure that the City stays within its carbon budget until 2050.[28] To summarize, the Project would be required to comply with the Title 24 standards for Energy Efficiency and Conservation that are in effect at the time of development. In addition, per compliance with the California Energy Code, the Project would provide solar panels in

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[26] *The LADOT VMT Calculator incorporates the USEPA MXD model and accounts for project features such as increased density and proximity to transit, which would reduce VMT and associated fuel usage in comparison to free-standing sites. Calculations are provided in Appendix EN-2 of this technical report.*

[27] *The Transportation Assessment did not include TDM measure to provide a conservative analysis. For the Air Quality, GHG, Energy, and Noise sections a VMT calculator run was provide that included the required TDM measures as to not over estimate impacts for these analyses.*

[28] *City of Los Angeles, L.A.'s Green New Deal Sustainable City pLAn 2019.*

compliance with Title 24. ***Based on the above, the Project would be consistent with state and local adopted energy conservation plans and energy efficiency plans. The Project would not involve any new significant energy impacts or increase the less than significant impacts identified in the Housing Element Update EIR.***

Cumulative Impacts

Less Than Significant Impact. The geographic context for the cumulative impacts analysis regarding electricity is LADWP's service area and the geographic context for the cumulative impacts analysis regarding natural gas is the SoCalGas service area. Growth within these geographic areas, inclusive of the 24 related projects and one related plan (i.e., DTLA 2040 Plan), is anticipated to increase the demand for energy, as well as the need for new and expanded energy infrastructure. As with the Project, compliance with existing energy standards, including implementation of the City's All-Electric Ordinance, and compliance with adopted energy conservation plans, the related projects also would not result in the wasteful, inefficient, and unnecessary consumption of energy resources during construction or operation. Related projects in the Project vicinity would also be infill projects locating uses near other residential and commercial uses, which would reduce distance traveled, as well consumption of transportation fuel. As analyzed above, Project transportation fuel usage would represent a small percentage of total fuel consumption within Los Angeles County. While it is speculative to assess transportation fuel usage from related projects, it is expected that cumulative transportation fuel usage resulting from the Project and related projects would be consistent with projections discussed above. In addition, as evaluated above, the Project would result in less than significant impacts related to energy consumption such that its contribution to cumulative energy impacts would not be cumulatively considerable. ***As such, the Project would not involve any new cumulative energy impacts or increase the less than significant impacts identified in the Housing Element Update EIR.***

The Row DTLA Residential
Technical Appendix for Energy

- Appendix EN-1: Regulatory Framework

- Appendix EN-2: Energy Analysis

    - Energy Consumption Summary
    - Construction Energy Usage
        - Construction Electricity Consumption
        - Off-Road Equipment
        - On-Road Fuel Usage Rates
        - On-Road Vehicles
        - Construction Water Usage
    - Operational Energy Usage
        - Buildout
        - All Electric Calculations
        - EMFAC Operations
        - Peak Electricity Demand Calculations
        - Total County Fuel Consumption

The Row DTLA Residential

Appendix EN-1- Regulatory Framework

- Appendix EN-1: Regulatory Framework

Regulatory Framework

There are several plans, regulations, and programs that include policies, requirements, and guidelines regarding energy at the federal, state, regional, and City of Los Angeles levels that apply to the Project. As described below, these plans, guidelines, and laws include the following:

- Energy Independence and Security Act of 2007
- Corporate Average Fuel Economy Standards
- Federal Energy Policy and Conservation Act
- Phase 1 and 2 Heavy-Duty Vehicle GHG Standards
- Public Utility Regulatory Policies Act of 1978
- National Energy Policy Act of 1992
- Energy Policy Act of 2005
- Clean Air Act
- Clean Cities Program
- Senate Bill 1389
- Renewables Portfolio Standards
- California Building Standards

  California Building Energy Efficiency Standards

  California Green Building Standards
- California Assembly Bill 1493
- California Air Resources Board

  Scoping Plan

  Advanced Clean Car Program

  Airborne Toxic Control Measure to Limit Diesel-Fueled Commercial Motor Vehicle Idling

  In-Use Off-Road Diesel Fueled Fleets Regulation

- Senate Bill 375
- Regional Transportation Plan/Sustainable Communities Strategy
- L.A.'s Green New Deal
- Los Angeles Green Building Code
- City of Los Angeles Mobility Plan 2035

(1) Federal

(a) Energy Independence and Security Act of 2007

The Energy Independence and Security Act of 2007 (EISA) facilitates the reduction of national greenhouse gas (GHG) emissions by requiring the following:

- Increasing the supply of alternative fuel sources by setting mandatory Renewable Fuel Standards (RFS) that require fuel producers to use at least 36 billion gallons of biofuel in 2022;
- Prescribing or revising standards affecting regional efficiency for heating and cooling products, procedures for new or amended standards, energy conservation, energy efficiency labeling for consumer electronic products, residential boiler efficiency, electric motor efficiency, and home appliances;
- Requiring approximately 25 percent greater efficiency for light bulbs by phasing out incandescent light bulbs between 2012 and 2014;
- Requiring approximately 200 percent greater efficiency for light bulbs, or similar energy savings, by 2020; and
- Establishing miles per gallon (mpg) targets for cars and light trucks and directing the National Highway Traffic Safety Administration (NHTSA) to establish a fuel economy program for medium- and heavy-duty trucks and create a separate fuel economy standard for trucks, as superseded by the U.S. Environmental Protection Agency (USEPA) and the NHTSA actions described below.

Additional provisions of EISA address energy savings in government and public institutions, promote research for alternative energy, additional research in carbon capture, international energy programs, and the creation of "green jobs."[1]

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[1] A "green job," as defined by the United States Department of Labor, is a job in business that produces goods or provides services that benefit the environment or conserve natural resources. U.S. Department of

(b) Corporate Average Fuel Economy Standards

Established by the U.S. Congress in 1975, the Corporate Average Fuel Economy (CAFE) Standards (49 CFR Parts 531 and 533) reduce energy consumption by increasing the fuel economy of cars and light trucks. The NHTSA and USEPA jointly administer the CAFE standards. The U.S. Congress has specified that CAFE standards must be set at the "maximum feasible level" with consideration given for: (1) technological feasibility; (2) economic practicality; (3) effect of other standards on fuel economy; and (4) need for the nation to conserve energy. The standards require an industry-wide fleet average of approximately 50.4 miles per gallon (mpg) in model year (MY) 2031 for passenger cars and light trucks, and an industry fleet-wide average for heavy-duty pickup trucks and vans (HDPUVs) of roughly 2.851 gallons per 100 miles in MY 2035. The CAFE standards increase at a rate of 2 percent per year for passenger cars in MYs 2027-31 and 2 percent per year for light trucks in model years 2029-31. The final HDPUV fuel efficiency standards increase at a rate of 10 percent per year in MYs 2030–2032 and 8 percent per year in MYs 2033–2035.[2]

(c) Federal Energy Policy and Conservation Act

The Energy Policy and Conservation Act of 1975 (EPCA) is a United States Act of Congress that responded to the 1973 oil crisis by creating a comprehensive approach to federal energy policy. The primary goals of EPCA are to increase energy production and supply, reduce energy demand, provide energy efficiency, and give the executive branch additional powers to respond to disruptions in energy supply. Most notably, EPCA established the Strategic Petroleum Reserve, the Energy Conservation Program for Consumer Products, and CAFE regulations.

(a) Phase 1 and Phase 2 Heavy-Duty Vehicle GHG Standards

Fuel efficiency standards for medium- and heavy-duty trucks have been jointly developed by the USEPA and the NHTSA. The USEPA and the NHTSA have also adopted the Phase 2 heavy-duty truck standards, which cover model years 2021 through 2027 and require the phase-in of a 5- to 25-percent reduction in fuel consumption over the 2017 baseline depending on the compliance year and vehicle type.

Labor, Bureau of Labor Statistics, Green Jobs Overview, www.bls.gov/green/overview.htm, accessed January 9, 2025.

[2] Department of Transportation, National Highway Traffic Safety Administration, Corporate Average Fuel Economy Standards for Passenger Cars and Light Trucks for Model Years 2027 and Beyond and Fuel Efficiency Standards for Heavy-Duty Pickup Trucks and Vans for Model Years 2030 and Beyond, 49 CFR Parts 523, 531, 533, 535, 536, and 537, 2024.

(e) Public Utility Regulatory Policies Act of 1978 (PURPA), Public Law 95-617

The purpose of PURPA is to promote conservation of electric energy. Additionally, PURPA created a new class of nonutility generators (small power producers) from which, along with qualified co-generators, utilities are required to buy power.

PURPA was in part intended to augment electric utility generation with more efficiently produced electricity and to provide equitable rates to electric consumers. Utility companies are required to buy all electricity from qualifying facilities (Qfs) at avoided cost (i.e., the incremental savings associated with not having to produce additional units of electricity). PURPA expanded participation of nonutility generators in the electricity market and demonstrated that electricity from nonutility generators could successfully be integrated with a utility's own supply. In addition, PURPA requires utilities to buy whatever power is produced by Qfs (usually cogeneration or renewable energy). The Fuel Use Act (FUA) of 1978 (repealed in 1987) also helped Qfs become established. Under FUA, utilities were not allowed to use natural gas to fuel new generating technologies, but Qfs were able to take advantage of abundant natural gas and abundant new technologies (such as combined-cycle). The technologies lowered the financial threshold for entrance into the electricity generation business as well as shortened the lead time for constructing new plants.

(f) National Energy Policy Act of 1992 (EPACT92)

EPACT92 calls for programs that promote efficiency and the use of alternative fuels. EPACT92 requires certain federal, state, and local government and private fleets to purchase a percentage of light duty alternative fuel vehicles (AFV) capable of running on alternative fuels each year. In addition, EPACT92 has financial incentives. Federal tax deductions are allowed for businesses and individuals to cover the incremental cost of AFVs. EPACT92 also requires states to consider a variety of incentive programs to help promote AFVs.

(g) Energy Policy Act of 2005

The Energy Policy Act of 2005 provides renewed and expanded tax credits for electricity generated by qualified energy sources, such as landfill gas; provides bond financing, tax incentives, grants, and loan guarantees for clean renewable energy and rural community electrification; and establishes a federal purchase requirement for renewable energy.

(h) Clean Air Act

Clean Air Act (CAA) Section 211(o), as amended by the Energy Policy Act of 2005, requires the Administrator of the USEPA to annually determine RFS, which is applicable to refineries, importers, and certain blenders of gasoline, and to publish the standard in the Federal Register by November 30 each year. On the basis of this standard, each obligated party determines the volume of renewable fuel that it must ensure is consumed as motor vehicle fuel. This standard is calculated as a percentage, by dividing the amount of renewable fuel that the Energy Policy Act requires to be blended into gasoline for a given year by the amount of gasoline expected to be used during that year, including certain adjustments.

(i) Clean Cities Program

The U.S. Department of Energy's (DOE) Clean Cities Program promotes voluntary, locally based government/industry partnerships for the purpose of expanding the use of alternatives to gasoline and diesel fuel by accelerating the deployment of AFVs and building local AFV refueling infrastructure. The mission of the Clean Cities Program is to advance the nation's economic, environmental and energy security by supporting local decisions to adopt practices that contribute to the reduction of petroleum consumption. The Clean Cities Program carries out this mission through a network of more than 80 volunteer coalitions, which develop public/private partnerships to promote alternative fuels and vehicles, fuel blends, fuel economy, hybrid vehicles, and idle reduction.

(2) State

(a) Senate Bill 1389

Senate Bill (SB) 1389 (Public Resources Code [PRC] Sections 25300–25323) requires the California Energy Commission (CEC) to prepare a biennial integrated energy policy report that assesses major energy trends and issues facing the State's electricity, natural gas, and transportation fuel sectors and provides policy recommendations to conserve resources; protect the environment; ensure reliable, secure, and diverse energy supplies; enhance the State's economy; and protect public health and safety (PRC Section 25301[a]). The 2023 Integrated Energy Policy Report provides the results of the CEC's assessments related to energy sector trends, building decarbonization and energy efficiency, zero-emission vehicles (ZEV), energy equity, climate change adaptation, electricity reliability in Southern California, natural gas assessment, and electricity, natural gas, and transportation energy demand forecasts.

(b) Renewable Portfolio Standards

First established in 2002 under SB 1078, California's Renewables Portfolio Standards (RPS) requires retail sellers of electric services to increase procurement from eligible renewable energy resources to 33 percent by 2020 and 50 percent by 2030.[3] SB 350, signed on October 7, 2015, is the Clean Energy and Pollution Reduction Act of 2015. The objectives of SB 350 are: (1) to increase the procurement of electricity from renewable sources from 33 percent to 50 percent; and (2) to double the energy savings in electricity and natural gas final end uses of retail customers through energy efficiency and conservation. On September 10, 2018, former Governor Jerry Brown signed SB 100, which further increased California's RPS and requires retail sellers and local publicly owned electric utilities to procure eligible renewable electricity for 44 percent of retail sales by December 31, 2024; 52 percent by December 31, 2027; and 60 percent by December 31, 2030, and that the California Air Resources Board (CARB) should plan for 100-percent eligible renewable energy resources and zero-carbon resources by December 31, 2045.

The California Public Utilities Commission (CPUC) and the CEC jointly implement the RPS program. The CPUC's responsibilities include: (1) determining annual procurement targets and enforcing compliance; (2) reviewing and approving each investor-owned utility's renewable energy procurement plan; (3) reviewing contracts for RPS-eligible energy; and (4) establishing the standard terms and conditions used in contracts for eligible renewable energy.[4]

In March 2021, the CEC, CPUC, and CARB issued an SB 100 Joint Agency Report that assesses barriers and opportunities to implementing the 100-percent clean electricity policy.[5] The report's initial findings suggest that the goals of SB 100 are achievable, though opportunities remain to reduce overall system costs; however, the report also notes that the findings are intended to inform State planning and are not intended as a comprehensive or prescriptive roadmap to 2045, and future work is needed on critical topics, such as system reliability and land use, and further addresses energy equity and

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[3] California Public Utilities Commission, California Renewables Portfolio Standard (RPS), 2018.

[4] California Public Utilities Commission, RPS Program Overview, www.cpuc.ca.gov/industries-and-topics/electrical-energy/electric-power-procurement/rps/rps-program-overview, accessed January 9, 2025.

[5] California Energy Commission, California Public Utilities Commission, and California Air Resources Board, 2021 SB 100 Joint Agency Report Achieving 100 Percent Clean Electricity in California: An Initial Assessment, CEC-200-2021-001, March 2021.

workforce needs.[6] Refer to Section IV.G, Greenhouse Gas Emissions, of this Draft EIR for additional details regarding this regulation.

(c) California Building Standards

(i) California Building Energy Efficiency Standards (Title 24, Part 6)

The California Building Energy Efficiency Standards for Residential and Nonresidential Buildings (California Code of Regulations [CCR], Title 24, Part 6) were adopted to ensure that building construction and system design and installation achieve energy efficiency and preserve outdoor and indoor environmental quality. The current California Building Energy Efficiency Standards (Title 24 standards) are the 2022 Title 24 standards, which became effective on January 1, 2023. The 2022 Title 24 standards continue to improve upon the preceding versions of the Title 24 standards for new construction of, and additions and alterations to, residential and nonresidential buildings, which encourage use of electric heat pumps, requiring newly constructed residences to be electric-ready and introduces solar and battery storage standards as an optional measure to achieve compliance and increases minimum ventilation requirements to improve air quality.

(ii) California Green Building Standards (Title 24, Part 11)

The California Green Building Standards Code (CCR, Title 24, Part 11) are commonly referred to as the CALGreen Code. The 2022 CALGreen Code includes mandatory measures for non-residential development related to site development, energy efficiency, water efficiency and conservation, material conservation and resource efficiency, and environmental quality.[7] The 2022 CALGreen Code improves upon the preceding versions of the CALGreen Code by simplifying the code and its application by offering choices related to new voluntary measures to builders, including battery storage systems, electric heat pump space, and water heating that encourage building electrification. The 2022 CALGreen Code went into effect on January 1, 2023.

(a) California Assembly Bill 1493 (AB 1493, Pavley)

In response to the transportation sector accounting for more than half of California's carbon dioxide (CO_2) emissions, Assembly Bill (AB) 1493 (commonly referred to as CARB's Pavley regulations), enacted on July 22, 2002, requires CARB to set GHG emission standards for new passenger vehicles, light duty trucks, and other vehicles

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6 California Energy Commission, California Public Utilities Commission, and California Air Resources Board, 2021 SB 100 Joint Agency Report Achieving 100 Percent Clean Electricity in California: An Initial Assessment, CEC-200-2021-001, March 2021.

7 California Building Standards Commission, Guide to the 2022 California Green Building Standards Code Nonresidential, 2022.

manufactured in and after 2009 whose primary use is non-commercial personal transportation. Phase I of the legislation established standards for model years 2009–2016 and Phase II established standards for model years 2017–2025.[8,9] In March 2020, the NHTSA and USEPA issued the SAFE Vehicles Rule, which amends existing CAFE standards and tailpipe CO_2 emissions standards for passenger cars and light trucks and establishes new standards covering model years 2021 through 2026. Refer to Section IV.G, Greenhouse Gas Emissions, of this Draft EIR for additional details regarding this regulation.

(e) California Air Resources Board

(i) Scoping Plan

AB 32 required CARB to prepare a Climate Change Scoping Plan for achieving the maximum technologically feasible and cost-effective GHG emission reduction by 2020 (Health and Safety Code [HSC] Section 38561 (h)). The 2008 Climate Change Scoping Plan proposed a "comprehensive set of actions designed to reduce overall carbon GHG emissions in California, improve our environment, reduce our dependence on oil, diversify our energy sources, save energy, create new jobs, and enhance public health."[10] The 2008 Climate Change Scoping Plan had a range of GHG reduction actions, which included direct regulations, alternative compliance mechanisms, monetary and non-monetary incentives, voluntary actions, market-based mechanisms, such as a Cap-and-Trade Program, and an AB 32 implementation fee to fund the program.

The 2008 Climate Change Scoping Plan called for a "coordinated set of solutions" to address all major categories of GHG emissions. Transportation emissions were addressed through a combination of higher standards for vehicle fuel economy, implementation of the Low Carbon Fuel Standard (LCFS), and greater consideration to reducing trip length and generation through land use planning and transit-oriented development. Buildings, land use, and industrial operations were encouraged and, sometimes, required to use energy more efficiently. Utility energy providers were required to include more renewable energy sources through implementation of the RPS.[11] Additionally, the 2008 Climate Change Scoping Plan emphasized opportunities for households and businesses to save energy and money through increasing energy efficiency. It indicated that substantial savings of electricity and natural gas will be accomplished through "improving energy efficiency by 25 percent."

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8 California Air Resources Board, Clean Car Standards—Pavley, Assembly Bill 1493.

9 United States Environmental Protection Agency, EPA and NHTSA Set Standards to Reduce Greenhouse Gases and Improve Fuel Economy for Model Years 2017–2025 Cars and Light Trucks, 2012.

10 CARB, Climate Change Scoping Plan, December 2008.

11 For a discussion of Renewables Portfolio Standard, refer to subsection California Renewables Portfolio Standard.

The 2008 Climate Change Scoping Plan identified several specific issues relevant to development projects, including:

- The potential of using the green building framework as a mechanism, which could enable GHG emissions reductions in other sectors (i.e., electricity, natural gas), noting that:

  A Green Building strategy will produce greenhouse gas savings through buildings that exceed minimum energy efficiency standards, decrease consumption of potable water, reduce solid waste during construction and operation, and incorporate sustainable materials. Combined, these measures can also contribute to healthy indoor air quality, protect human health, and minimize impacts to the environment.

- The importance of supporting the Department of Water Resources' work to implement the Governor's objective to reduce per capita water use by 20 percent by 2020. Specific measures to achieve this goal include water use efficiency, water recycling, and reuse of urban runoff. The Climate Change Scoping Plan notes that water use requires significant amounts of energy, including approximately one-fifth of Statewide electricity.

- Encouraging local governments to set quantifiable emission reduction targets for their jurisdictions and use their influence and authority to encourage reductions in emissions caused by energy use, waste and recycling, water and wastewater systems, transportation, and community design.

The latest update is the 2022 Scoping Plan, which is the most comprehensive and far-reaching Scoping Plan developed to date. It identifies a technologically feasible, cost-effective, and equity-focused path to achieve new targets for carbon neutrality by 2045 and to reduce anthropogenic GHG emissions to at least 85 percent below 1990 levels, while also assessing the progress California is making toward reducing its GHG emissions by at least 40 percent below 1990 levels by 2030, as called for in SB 32 and laid out in the 2017 Scoping Plan.[12] Measures to reduce GHG emissions include building decarbonization, energy efficiency improvements and transportation electrification.

The 2022 Scoping Plan Update reflects existing and recent direction in the Governor's Executive Orders and State statutes, which identify policies, strategies, and regulations in support of and implementation of the Scoping Plan. Among these include Executive Order B-55-18 and AB 1279 (The California Climate Crisis Act), which identify the 2045 carbon neutrality and GHG reduction targets required for the Scoping Plan.

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12 CARB, California's 2017 Climate Change Scoping Plan, 2017.

(ii) Advanced Clean Cars Program

The Advanced Clean Cars emissions-control program was approved by CARB in 2012 and is closely associated with the Pavley regulations.[13] The program requires a greater number of ZEV models for years 2015 through 2025 to control smog, soot and GHG emissions. This program includes the Low-Emissions Vehicle (LEV) regulations to reduce criteria pollutants and GHG emissions from light- and medium-duty vehicles and the ZEV regulations to require manufacturers to produce an increasing number of pure ZEVs (meaning battery and fuel cell electric vehicles) with the provision to produce plug-in hybrid electric vehicles (PHEV) between 2018 and 2025. In particular, implementation of the ZEV and PHEV regulations reduce transportation fuel consumption by increasing the number of vehicles that are partially or fully electric-powered.

(iii) Airborne Toxic Control Measure to Limit Diesel-Fueled Commercial Motor Vehicle Idling

In 2004, CARB adopted an Airborne Toxic Control Measure to Limit Diesel-Fueled Commercial Motor Vehicle Idling in order to reduce public exposure to diesel particulate matter emissions (Title 13 CCR Section 2485). The measure applies to diesel-fueled commercial vehicles with gross vehicle weight ratings greater than 10,000 pounds that are licensed to operate on highways, regardless of where they are registered. This measure does not allow diesel-fueled commercial vehicles to idle for more than 5 minutes at any given location. While the goal of this measure is primarily to reduce public health impacts from diesel emissions, compliance with the regulation also results in energy savings in the form of reduced fuel consumption from unnecessary idling.

(iv) In-Use Off-Road Diesel Fueled Fleets Regulation

Because off-road vehicles that are used in construction and other related industries can last 30 years or longer, most of those that are in service today are still part of an older fleet that do not have emission controls. In 2007, CARB approved the "In-Use Off-Road Diesel Fueled Fleets Regulation" to reduce emissions from existing (in-use) off-road diesel vehicles that are used in construction and other industries. This regulation sets an anti-idling limit of 5 minutes for all off-road vehicles 25 horsepower and higher. It also establishes emission rates targets for the off-road vehicles that decline over time to accelerate turnover to newer, cleaner engines and require exhaust retrofits to meet these targets. Revised in October 2023, the regulation enforces off-road restrictions on fleets adding vehicles with older tier engines beginning January 1, 2024. By each annual compliance deadline, a fleet must demonstrate that it has either met the fleet average target for that year or has completed the Best Available Control Technology (BACT)

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[13] CARB, Advanced Clean Cars Program, ww2.arb.ca.gov/our-work/programs/advanced-clean-cars-program, accessed January 9, 2025.

requirements. Large fleets have compliance deadlines each year from 2024 through 2028, medium fleets each year from 2026 through 2030, and small fleets each year from 2028 through 2032. While the goal of this regulation is primarily to reduce public health impacts from diesel emissions, compliance with the regulation also results in energy savings in the form of reduced fuel consumption from the use of more fuel-efficient engines.

(i) SB 375 (Sustainable Communities Strategy)

In 2008, SB 375, the Sustainable Communities and Climate Protection Act, was adopted to connect the GHG emissions reductions targets established in the 2008 Scoping Plan for the transportation sector to local land use decisions that affect travel behavior. Its intent is to reduce GHG emissions from light-duty trucks and automobiles (excluding emissions associated with goods movement) by aligning regional long-range transportation plans, investments, and housing allocations to local land use planning to reduce vehicle miles traveled (VMT) and vehicle trips. Specifically, SB 375 required CARB to establish GHG emissions reduction targets for each of the 18 metropolitan planning organizations (MPOs). The Southern California Association of Governments (SCAG) is the MPO for the Southern California region, which includes the counties of Los Angeles, Orange, San Bernardino, Riverside, Ventura, and Imperial. The 2020–2045 Regional Transportation Plan/Sustainable Communities Strategy (RTP/SCS) and 2024–2050 RTP/SCS reflect CARB's updated SB 375 targets for the SCAG region, requiring a 19-percent decrease in VMT by 2035 relative to 2005.

(3) Regional

(a) Regional Transportation Plan/Sustainable Communities Strategy (RTF/SCS)

SB 375 requires each MPO to prepare a Sustainable Communities Strategy (SCS) in their regional transportation plan. In general, the SCS outlines a development pattern for the region, which, when integrated with the transportation network and other transportation measures and policies, would reduce VMT from automobiles and light duty trucks and, thereby, reduce GHG emissions from these sources. For the SCAG region, the 2020–2045 RTP/SCS was adopted to implement SB 375 required reduction targets.

The 2020–2045 RTP/SCS focuses on the continued efforts of the previous RTP/SCS plans for an integrated approach in transportation and land use strategies in development of the SCAG region through horizon year 2045. The 2020–2045 RTP/SCS projects that the SCAG region will meet the GHG per capita reduction targets established for the SCAG region of 8 percent by 2020 and 19 percent by 2035. Additionally, its implementation is projected to reduce VMT per capita for the year 2045 by 4.1 percent compared to baseline conditions for the year. Rooted in the 2008, 2012, and 2016

RTP/SCS plans, the 2020–2045 RTP/SCS includes a "Core Vision" that centers on maintaining and better managing the transportation network for moving people and goods while expanding mobility choices by location housing, jobs, and transit closer together, and increasing investments in transit and complete streets.

On April 4, 2024, SCAG adopted the 2024–2050 RTP/SCS. Similar to the 2020–2045 RTP/SCS, the 2024–2050 RTP/SCS is a long-term plan for the Southern California region that details investment in the transportation system and development in communities to meet the existing and future needs of the region through projects, investments, policies and strategies. While the 2024–2050 RTP/SCS remains focused on its core responsibilities and on the requirements of comprehensive regional transportation planning integrated with the development of a sustainable communities strategy, it also encompasses a holistic approach to programs and strategies that support success of the RTP/SCS, such as workforce development, broadband, and mobility hubs. The primary goals of the 2024–2050 RTP/SCS include:

- Mobility: Build and maintain an integrated multimodal transportation network;
- Communities: Develop, connect and sustain livable and thriving communities;
- Environment: Create a healthy region for the people of today and tomorrow; and
- Economy: Support a sustainable, efficient and productive regional economic environment that provides opportunities for all people in the region.

While the 2024–2050 RTP/SCS has been adopted by SCAG, the 2024–2050 RTP/SCS has not yet been approved by CARB. In addition, SB 375 does not provide GHG emissions reduction targets specific to the 2024–2050 RTP/SCS that are not also applicable to 2020–2045 RTP/SCS.

(4) Local

(a) Green New Deal

On April 8, 2015, Mayor Eric Garcetti released the Sustainable City pLAn, which includes both short-term and long-term aspirations through the year 2035 in various topic areas, including water, solar power, energy-efficient buildings, carbon and climate leadership, waste and landfills, housing and development, mobility and transit, and air quality, among others.[14] Specific targets included the construction of new housing units within 1,500 feet of transit by 2017, reducing VMT per capita by 5 percent by 2025, and

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[14] City of Los Angeles, Sustainable City pLAn, April 2015.

increasing trips made by walking, biking or transit by at least 35 percent by 2025. The Sustainable City pLAn was intended to be updated every four years.

In April 2019, Mayor Eric Garcetti released an update to the Sustainable City pLAn renamed as LA's Green New Deal, which consists of a program of actions designed to create sustainability-based performance targets through 2050 to advance economic, environmental, and equity objectives.[15] The Green New Deal augments, expands, and elaborates in more detail the City's vision for a sustainable future, and it tackles the climate emergency with accelerated targets and new aggressive goals.

Within the Green New Deal, climate mitigation is one of eight explicit benefits that help define its strategies and goals. These include reducing GHG emissions through near-term outcomes:

- Reduce potable water use per capita by 22.5 percent by 2025, 25 percent by 2035, Reduce potable water use per capita by 22.5 percent by 2025, 25 percent by 2035, and maintain or reduce 2035 per capita water use through 2050.
- Reduce building energy use per square foot for all building types by 22 percent by 2025, 34 percent by 2035, and 44 percent by 2050 (from a baseline of 68 thousand British thermal units (MBtu) per square foot in 2015).
- All new buildings will be net zero carbon by 2030 and 100 percent of buildings will be net zero carbon by 2050.
- Increase cumulative new housing unit construction to 150,000 by 2025 and 275,000 units by 2035.
- Ensure 57 percent of new housing units are built within 1,500 feet of transit by 2025 and 75 percent by 2035.
- Increase the percentage of all trips made by walking, biking, micro-mobility/ matched rides or transit to at least 35 percent by 2025, 50 percent by 2035, and maintain at least 50 percent by 2050.
- Reduce VMT per capita by at least 13 percent by 2025, 39 percent by 2035, and 45 percent by 2050.
- Increase the percentage of electric vehicles (EVs) and ZEVs in the city to 25 percent by 2025, 80 percent by 2035, and 100 percent by 2050.

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15 City of Los Angeles, LA's Green New Deal, 2019.

- Increase landfill diversion rate to 90 percent by 2025, 95 percent by 2035, and 100 percent by 2050.
- Reduce municipal solid waste generation per capita by at least 15 percent by 2030, including phasing out single-use plastics by 2028 (from a baseline of 17.85 pounds of waste generated per capita per day in 2011).
- Eliminate organic waste going to landfill by 2028.
- Reduce urban/rural temperature differential by at least 1.7 degrees by 2025 and 3 degrees by 2035.
- Ensure the proportion of Angelenos living within 0.5 mile of a park or open space is at least 65 percent by 2025, 75 percent by 2035, and 100 percent by 2050.

(b) Los Angeles Green Building Code

Article 9 of Chapter IX of the Los Angeles Municipal Code (LAMC) is referred to as the "Los Angeles Green Building Code," which incorporates by reference portions of the CALGreen Code. Specific mandatory requirements and elective measures are provided for three categories: (1) low-rise residential buildings; (2) nonresidential and high-rise residential buildings; and (3) additions and alterations to nonresidential and high-rise residential buildings. The Los Angeles Green Building Code includes some requirements that are more stringent than State requirements, such as increased requirements for electric vehicle supply equipment (EVSE) to support electric vehicle (EV) charging stations and water efficiency, which result in potentially greater energy demand reductions from improved transportation fuel efficiency and water efficiency.

(c) City of Los Angeles All-Electric Ordinance

In December 2022, the City approved Ordinance No. 187,714, which amends Divisions 2, 4, and 5 of Article 9 of Chapter IX of the LAMC to require all new buildings to be all-electric buildings with exceptions. The ordinance is applicable to new buildings in which an application for a building permit was submitted after June 1, 2023. Consistent with this new ordinance, Chapter IX of the LAMC, Section 99.02.202 defines an all-electric building as:

> *A building that contains no combustion equipment, plumbing for combustion equipment, gas piping, or fuel gas serving any use including, but not limited to, space heating (including fireplaces), water heating (including pools and spas), cooking appliances (including barbeques), and clothes drying, within the building or building property lines, and instead uses electricity as the sole source of energy for all lighting, appliances and/or equipment,*

including, but not limited to, space heating, water heating, cooking appliances, and drying appliances.

Chapter IX of the LAMC, Section 99.04.106.8 provides exemptions from the requirements for cooking equipment contained within kitchens in a public use area, such as restaurants, commissaries, cafeterias, and community kitchens as long as electrical infrastructure is installed. Gas-powered process equipment in institutions, such as hospitals, industrial, and laboratories, is also exempt. The LAMC is consistent with 2022 Title 24 goals of encouraging all-electric development, which requires new residential uses to be electric-ready (wiring installed for all-electric appliances). Buildings in Los Angeles account for 43 percent of greenhouse gas emissions—more than any other sector in the City. These LAMC requirements ensure that new buildings being constructed are built to leverage the increasingly clean electric grid, which is anticipated to be carbon-free by 2035, rather than relying on fossil fuels.

(a) City of Los Angeles Mobility Plan 2035

In August 2015, the City Council adopted Mobility Plan 2035 (Mobility Plan), which serves as the City's General Plan circulation element. The City Council has adopted several amendments to the Mobility Plan since its initial adoption, including the most recent amendment on September 7, 2016.[16] The Mobility Plan incorporates "complete streets" principles and lays the policy foundation for how the City's residents interact with their streets. While the Mobility Plan mainly relates to transportation, certain components would serve to reduce VMT and fuel consumption.

[16] Los Angeles Department of City Planning, Mobility Plan 2035: An Element of the General Plan, approved by City Planning Commission on June 23, 2016, and adopted by City Council on September 7, 2016.

The Row DTLA Residential

Appendix EN-2- Regulatory Framework

- Appendix EN-2: Energy Analysis
    - Energy Consumption Summary
    - Construction Energy Usage
        - Construction Electricity Consumption
        - Off-Road Equipment
        - On-Road Fuel Usage Rates
        - On-Road Vehicles
        - Construction Water Usage
    - Operational Energy Usage
        - Buildout
        - All Electric Calculations
        - EMFAC Operations
        - Peak Electricity Demand Calculations
        - Total County Fuel Consumption

DTLA Row

Summary of Energy Use During Construction

Electricty		
Water Consumption	1,695	kWh
Temporary Power (lighting, tools)	49,241	kWh
Total:	**50,936**	kWh
Gasoline		
On Road	603,400	Gallons
Off Road	0	Gallons
Total:	**603,400**	Gallons
Diesel		
On Road	554,701	Gallons
Off Road	110,113	Gallons
Total:	**664,814**	Gallons
Total Mobile	**1,268,214**	

Summary of Energy Use During Operations

		Project	Units
Electricity			
Electricity (building)		7,686,061	kWh/year
Electricity (water)		353,653	kWh/year
EV Charging		201,507	kWh/year
	Electricity Total	**8,241,221**	**kWh/year**
Natural Gas		**437,713**	**cu ft/year**
Mobile			
Gasoline		386,543	Gallons/year
Diesel		70,640	Gallons/year
	Mobile Total	**457,183**	**Gallons/year**

Construction Electricity Usage

Caterpillar 40-C4.4 Generator[a]

Peak Power Rating - Prime (kW)	36
Typical Load	70%
Average Output (kW)	25.2
Hours per Day	2
Average Daily Output (kWh)	50.4
Building Construction Phase Duration (days)	977
Total Construction (kWh)	49,241
Total Construction (MWh)	49.2

[a]https://www.albancat.com/content/uploads/2014/06/40-C4.4-Spec-Sheet.pdf

Calculation of Diesel Usage During Cosnstruciton (Offroad Equipment):

Phase Name	Off Road Equipment Type	Units	Hours	HP	Load Factor	Avg. Daily Factor	Number of Days	Diesel Fuel Usage	
Demolition/Utility Relocation	Excavators	1	8	158	0.38	0.6	41	591	
Demolition/Utility Relocation	Generator Sets	1	8	14	0.74	0.6	41	102	
Demolition/Utility Relocation	Other Construction Equipment	1	8	82	0.42	0.6	41	339	
Demolition/Utility Relocation	Skid Steer Loaders	2	8	71	0.37	0.6	41	517	
Demolition/Utility Relocation	Tractors/Loaders/Backhoes	1	8	84	0.37	0.6	41	306	
Grading/Shoring/Excavation	Bore/Drill Rigs	1	8	83	0.5	0.6	46	458	
Grading/Shoring/Excavation	Excavators	2	8	158	0.38	0.6	46	1,326	
Grading/Shoring/Excavation	Other Construction Equipment	1	8	82	0.42	0.6	46	380	
Grading/Shoring/Excavation	Plate Compactors	2	8	8	0.43	0.6	46	76	
Grading/Shoring/Excavation	Rollers	1	8	36	0.38	0.6	46	151	
Grading/Shoring/Excavation	Rubber Tired Loaders	1	8	150	0.36	0.6	46	596	
Grading/Shoring/Excavation	Skid Steer Loaders	2	8	71	0.37	0.6	46	580	
Building Foundation	Air Compressors	2	8	37	0.48	0.6	142	1,211	
Building Foundation	Cement and Mortar Mixers	1	8	10	0.56	0.6	142	191	
Building Foundation	Concrete/Industrial Saws	2	8	33	0.73	0.6	142	1,642	
Building Foundation	Cranes	1	8	367	0.29	0.6	142	3,627	
Building Foundation	Excavators	1	8	158	0.38	0.6	142	2,046	
Building Foundation	Forklifts	2	8	82	0.2	0.6	142	1,118	
Building Foundation	Pumps	1	8	11	0.74	0.6	142	277	
Building Foundation	Plate Compactors	2	8	8	0.43	0.6	142	234	
Building Foundation	Rough Terrain Forklifts	2	8	96	0.4	0.6	142	2,617	
Building Foundation	Tractors/Loaders/Backhoes	1	8	84	0.37	0.6	142	1,059	
Building Foundation	Welders	2	8	46	0.45	0.6	142	1,411	
Building Construction	Aerial Lifts	2	8	46	0.31	0.6	320	2,190	
Paving	Cranes	1	8	367	0.29	0.6	139	3,551	
Paving	Other Construction Equipment	1	8	82	0.42	0.6	139	1,149	
Paving	Paving Equipment	1	8	89	0.36	0.6	139	1,069	
Paving	Plate Compactors	2	8	8	0.43	0.6	139	230	
Paving	Rollers	1	8	36	0.38	0.6	139	456	
Paving	Signal Boards	2	8	6	0.82	0.6	139	328	
Paving	Tractors/Loaders/Backhoes	2	8	84	0.37	0.6	139	2,074	
Demolition/Utility Relocation	Air Compressors	2	8	37	0.48	0.6	41	350	
Demolition/Utility Relocation	Excavators	2	8	158	0.38	0.6	41	1,182	
Demolition/Utility Relocation	Generator Sets	1	8	14	0.74	0.6	41	102	
Demolition/Utility Relocation	Other Construction Equipment	1	8	82	0.42	0.6	41	339	
Demolition/Utility Relocation	Skid Steer Loaders	3	8	71	0.37	0.6	41	775	
Demolition/Utility Relocation	Tractors/Loaders/Backhoes	3	8	84	0.37	0.6	41	917	
Grading/Shoring/Excavation	Bore/Drill Rigs	2	8	83	0.5	0.6	46	916	
Grading/Shoring/Excavation	Excavators	3	8	158	0.38	0.6	46	1,989	
Grading/Shoring/Excavation	Other Construction Equipment	1	8	82	0.42	0.6	46	380	
Grading/Shoring/Excavation	Plate Compactors	2	8	8	0.43	0.6	46	76	
Grading/Shoring/Excavation	Rollers	2	8	36	0.38	0.6	46	302	
Grading/Shoring/Excavation	Rubber Tired Loaders	2	8	150	0.36	0.6	46	1,192	
Grading/Shoring/Excavation	Skid Steer Loaders	2	8	71	0.37	0.6	46	580	
Building Foundation	Air Compressors	2	8	37	0.48	0.6	142	1,211	
Building Foundation	Cement and Mortar Mixers	1	8	10	0.56	0.6	142	191	
Building Foundation	Concrete/Industrial Saws	3	8	33	0.73	0.6	142	2,463	
Building Foundation	Cranes	1	8	367	0.29	0.6	142	3,627	
Building Foundation	Excavators	1	8	158	0.38	0.6	142	2,046	
Building Foundation	Forklifts	2	8	82	0.2	0.6	142	1,118	
Building Foundation	Pumps	2	8	11	0.74	0.6	142	555	
Building Foundation	Plate Compactors	2	8	8	0.43	0.6	142	234	
Building Foundation	Rough Terrain Forklifts	3	8	96	0.4	0.6	142	3,926	
Building Foundation	Tractors/Loaders/Backhoes	2	8	84	0.37	0.6	142	2,118	
Building Foundation	Welders	2	8	46	0.45	0.6	142	1,411	
Building Construction	Aerial Lifts	3	8	46	0.31	0.6	320	3,286	
Paving	Cranes	1	8	367	0.29	0.6	139	3,551	
Paving	Other Construction Equipment	1	8	82	0.42	0.6	139	1,149	
Paving	Paving Equipment	1	8	89	0.36	0.6	139	1,069	
Paving	Plate Compactors	2	8	8	0.43	0.6	139	230	
Paving	Rollers	2	8	36	0.38	0.6	139	913	
Paving	Signal Boards	2	8	6	0.82	0.6	139	328	
Paving	Tractors/Loaders/Backhoes	2	8	84	0.37	0.6	139	2,074	
Demolition	Air Compressors	1	8	37	0.48	0.6	17	72	
Demolition	Excavators	1	8	158	0.38	0.6	17	245	
Demolition	Generator Sets	1	8	14	0.74	0.6	17	42	
Demolition	Other Construction Equipment	1	8	82	0.42	0.6	17	141	
Demolition	Skid Steer Loaders	1	8	71	0.37	0.6	17	107	
Demolition	Tractors/Loaders/Backhoes	1	8	84	0.37	0.6	17	127	
Grading & Utilities	Bore/Drill Rigs	1	8	83	0.5	0.6	83	827	
Grading & Utilities	Excavators	2	8	158	0.38	0.6	83	2,392	
Grading & Utilities	Other Construction Equipment	1	8	82	0.42	0.6	83	686	
Grading & Utilities	Plate Compactors	1	8	8	0.43	0.6	83	69	
Grading & Utilities	Rollers	1	8	36	0.38	0.6	83	273	
Grading & Utilities	Rubber Tired Loaders	1	8	150	0.36	0.6	83	1,076	
Grading & Utilities	Skid Steer Loaders	1	8	71	0.37	0.6	83	523	
Foundation/Structure	Air Compressors	1	8	37	0.48	0.6	271	1,155	
Foundation/Structure	Cement and Mortar Mixers	1	8	10	0.56	0.6	271	364	
Foundation/Structure	Concrete/Industrial Saws	1	8	33	0.73	0.6	271	1,567	
Foundation/Structure	Cranes	1	8	367	0.29	0.6	271	6,922	
Foundation/Structure	Excavators	1	8	158	0.38	0.6	271	3,905	
Foundation/Structure	Forklifts	2	8	82	0.2	0.6	271	2,133	
Foundation/Structure	Pumps	1	8	11	0.74	0.6	271	529	
Foundation/Structure	Plate Compactors	1	8	8	0.43	0.6	271	224	
Foundation/Structure	Rough Terrain Forklifts	1	8	96	0.4	0.6	271	2,498	
Foundation/Structure	Tractors/Loaders/Backhoes	1	8	84	0.37	0.6	271	2,021	
Foundation/Structure	Welders	1	8	46	0.45	0.6	271	1,346	
Interior	Aerial Lifts	1	8	46	0.31	0.6	140	479	
Paving	Cranes	1	8	367	0.29	0.6	139	3,551	
Paving	Other Construction Equipment	1	8	82	0.42	0.6	139	1,149	
Paving	Paving Equipment	1	8	89	0.36	0.6	139	1,069	
Paving	Plate Compactors	1	8	8	0.43	0.6	139	115	
Paving	Rollers	1	8	36	0.38	0.6	139	456	
Paving	Signal Boards	1	8	6	0.82	0.6	139	164	
Paving	Tractors/Loaders/Backhoes	1	8	84	0.37	0.6	139	1,037	
							Total Diesel Usage for Construction (Offr	**110,113.4**	**gallons of diesel fuel**

gallons of diesel fuel per horsepower-hour=	0.05

Notes: Equipment assumptions are provide in the CalEEMod output files and fuel usage estimate of 0.05 gallons of diesel fuel per horsepower-hour is from the SCAQMD CEQA Air Quality Handbook, Table A9-3E.

EMFAC2021 Emissions Inventory
Region Type: County
Region: Los Angeles
Calendar Year: 2026
Season: Annual
Vehicle Classification: EMFAC2011 Categories

Region	Veh_Class	Fuel	Speed (miles/hr)	Population (vehicles)	VMT (miles/day)	Trips (trips/day)	Fuel_Gas (1000 gallons/day)	Fuel_DSL (1000 gallons/day)	Miles per Gallon
South Coast	LDA	Gasoline	Aggregate	3,294,447	129,517,422	15,284,837	4,349	0	29.8
South Coast	LDT1	Gasoline	Aggregate	309,047	11,251,578	1,361,992	452	0	24.9
South Coast	LDT2	Gasoline	Aggregate	1,657,464	68,121,910	7,802,414	2,800	0	24.3
						Construction Worker Trip (Composite LDA/LDT1/LDT2):			**27.2**
South Coast	HHDT	Diesel	Aggregate	56,774	7,075,238	888,983	0	1137.4	**6.2**

Notes: Consistent with CalEEMod, a construction worker trip is assumed to be a composite of 50% LDA , 25% for LDT1, and 25% for LDT2. Used EMFAC 2011 Categories for construciton as EMFAC2011 has specific categories for vehicle class T7.

Calculation of Gasoline and Diesel Usage During Construction (Onroad Vehicles):

Phase Name	Daily Worker Trips	Daily Vendor Trips	Daily Haul Trips	Days	Total Worker Trips	Total Vendor Trips	Total Haul Trips	Trip Length (miles)			Total Length (miles)			Avg. Daily Factor	Gallons of Fuel	
								Worker	Vendor	Haul	Worker	Vendor	Haul	(worker and vendor)	Gasoline	Diesel
Demolition/Utility Relocation	40	4	20	41	1640	164	820	18.5	10.2	25	30340	1672.8	20500	0.6	669.5	3,456.9
Grading/Shoring/Excavation	60	8	240	46	2760	368	11040	18.5	10.2	25	51060	3753.6	276000	0.6	1,126.8	44,730.9
Building Foundation	180	160	0	142	25560	22720	0	18.5	10.2	20	472860	231744	0	0.6	10,434.8	22,352.6
Building Construction	240	36	0	320	76800	11520	0	18.5	10.2	20	1420800	117504	0	0.6	31,353.3	11,333.7
Paving	80	30	0	139	11120	4170	0	18.5	10.2	20	205720	42534	0	0.6	4,539.7	4,102.6
Architectural Coating	0	0	0	154	0	0	0	18.5	10.2	20	0	0	0	0.6	0.0	0.0
Demolition/Utility Relocation	40	4	20	30	1200	120	600	18.5	10.2	25	22200	1224	15000	1.6	1,306.4	2,726.2
Grading/Shoring/Excavation	80	6	240	50	4000	300	12000	18.5	10.2	25	74000	3060	300000	2.6	7,076.3	49,506.0
Building Foundation	260	200	0	155	40300	31000	0	18.5	10.2	20	745550	316200	0	3.6	98,714.0	182,992.5
Building Construction	300	36	0	386	115800	13896	0	18.5	10.2	20	2142300	141739.2	0	4.6	362,441.2	104,813.4
Paving	100	30	0	143	14300	4290	0	18.5	10.2	20	264550	43758	0	5.6	54,487.3	39,392.6
Architectural Coating	0	0	0	176	0	0	0	18.5	10.2	20	0	0	0	6.6	0.0	0.0
Demolition	24	4	20	17	408	68	340	18.5	10.2	25	7548	693.6	8500	7.6	2,109.8	2,213.8
Grading & Utilities	60	6	240	83	4980	498	19920	18.5	10.2	25	92130	5079.6	498000	8.6	29,140.6	87,079.4
Foundation/Structure	300	200	0	271	81300	54200	0	18.5	10.2	20	1504050	552840	0	9.6	531,046.9	853,178.1
Interior	240	36	0	140	33600	5040	0	18.5	10.2	20	621600	51408	0	10.6	242,335.1	87,600.3
Paving	50	30	0	165	8250	4950	0	18.5	10.2	20	152625	50490	0	11.6	65,115.3	94,152.6
Architectural Coating	0	0	0	173	0	0	0	18.5	10.2	20	0	0	0	12.6	0.0	0.0
														Total:	**603,399.6**	**554,700.6**

Worker Miles per gallon=	27.19	gasoline
Vedor/Haul miles per gallon=	6.22	diesel

Notes: Consistent with CalEEMod worker vehicles are assumed to be gasoline and 50% LDA, 25%LDT1, and 25% LDT2. Vendor and haul trips are assumed to be 100% diesel Heavy Duty Trucks (T7).

Water Usage for Control of Fugitive Dust during Construction:

Phase	Days	Average Daily Acreage Distrubed	Gallons Per Year	Electricity (kWhr)
Demolition/Utility Relocation	41	0.5	61,910	602
Grading/Shoring/Excavation	46	0.5	69,460	676
Building Foundation	142	0.1	42,884	417
Building Construction	320	0.0	0	0
Paving	139	0.0	0	0
Architectural Coating	154	0.0	0	0
Demolition/Utility Relocation	30	0.5	45,300	441
Grading/Shoring/Excavation	50	0.5	75,500	734
Building Foundation	155	0.1	46,810	455
Building Construction	386	0.0	0	0
Paving	143	0.0	0	0
Architectural Coating	176	0.0	0	0
Demolition	17	0.5	25,670	250
Grading & Utilities	83	0.5	125,330	1,219
Foundation/Structure	271	0.1	81,842	796
Interior	140	0.0	0	0
Paving	165	0.0	0	0
Architectural Coating	173	0.0	0	0
		Total:	**174,254**	**1,695**

Water application rate=	3020	gal/acre/day
kWhr equivalent=	0.01	kWhr

Notes: 1) Gallons per year of water usage for dust control is calculated based on a minimum control efficiency of 66% (three times daily) with an application rate of 3,020 gal/acre/day (Air & Waste Management Association Air Pollution Engineering Manual (1992 Edition)) and average of 26 construction days per month.
2) CalEEMod Default: Each gallon of delivered potable water in Southern California is associated with 0.009727 kWhr of electricity).

DTLA Row - Buildout Operations
Los Angeles-South Coast County, Annual

Land Use Details

Land Uses	*Size*	*Metric*	*Lot Acreage*	*Floor Surface Area*	*Population*
Apartments Mid Rise	1000	Dwelling Unit	4.81	519106	2354
High Turnover (Sit Down Restaurant)	6.547	1000sqft	0	6547	
Recreational Swimming Pool	0.883	1000sqft	0	883	
Enclosed Parking with Elevator	1092	Space	9.827999577	436800	

Trip Summary Information

Land Uses	*Average Daily Trip Rate*			*Mitigated*
	Weekday	*Saturday*	*Sunday*	
Total	4,648	4,648	4,648	11,084,685

Mitigated Gasoline and Diesel Usage

	Gasoline	*Diesel*
Miles/Gallon	27.0	9.3
% Fleet Mix	94.2%	5.8%
Total (Gallons):	**386,543**	**69,551**

Note: Fleet mix is 92.3% gasoline @ 30.6 miles/gallon and 7.7% diesel @ 12.1 miles/gallon.

Energy by Land Use - Natural Gas (Mitigated)

Land Uses	*kBTU/yr*	cu ft/year
Apartments Mid Rise	0	0
High Turnover (Sit Down Restaurant)	459599	437,713
Recreational Swimming Pool	0	0
Enclosed Parking with Elevator	0	0
Total	0	**437,713**

Energy by Land Use - Electricity (Mitigated)

Land Uses	*kWh/yr*
Apartments Mid Rise	3,945,343
High Turnover (Sit Down Restaurant)	336,045
Recreational Swimming Pool	1,792,256
Enclosed Parking with Elevator	1,612,417
Total	**7,686,061**

Water Detail (Unmitigated)

Land Uses	*Indoor Use (Mgal)*	*Outdoor Use (Mgal)*	*Electricity Use (kWh/yr)*
Apartments Mid Rise	29.819	0.432	335,525
High Turnover (Sit Down Restaurant)	1.590	0.000	17,664
Recreational Swimming Pool	0.042	0.000	464
Enclosed Parking with Elevator	0.000	0.000	0
Total	31.45	0.43	**353,653**

Notes: Indoor water results in 0.0111 kWhr of electricity usage per gallon from delivery, treatment, and distribution of water within Southern California (CalEEMod). Outdoor water results in 0.009727 kWhr ofelectricity usage per gallon from delivery and distribution of water within Southern California (CalEEMod). The City of Los Angeles Green Building Code (Chapter IX, Article 9, of the LAMC) requires newly constructed non-residential and high-rise residential buildings to reduce indoor water use by at least 20 percent by: (1) using water saving fixtures or flow restrictions; and/or (2) demonstrating a 20 percent reduction in baseline water use. No reduction was applied to Elysian apartments.

DTLA Row (Full Buildout)
All Electric Calculation

CAPCOA Consumption Rate*

	Natural Gas (Therm/yr/KSF)								Electricity (kWh/yr/KSF)						
Building Type	**Water Heater**	**Primary Heat**	**Cooking**	**Dryer**	**Cooling**	**Misc**	**Refrig.**		**Water Heater**	**Primary Heat**	**Cooling**	**Dryer**	**Cooling**	**Misc**	**Refrig.**
Apartment High Rise	268	48	20	17	31	35	NA		1052	330	262	365	205	560	NA
High Turnover (Sit Down Restaurant)	90	37	702	NA	48	67	4		35	268	1275	NA	3214	8965	6236

*California Air Pollution Control Officers Association (CAPCOA) Handbook for Analyzing Greenhouse Gas Emissions Reductions, Assessing Climate Vulnerabilities, and Advancing Health and Equity. Appendix C. Table E 15. December 2021. Note: Residential use provides aux. heat which was included under cooling (residential use does not provide a natural gas usage for cooling or refrigeration). In addition, Table E 15 cites that the sample size for several end uses and housing types was limited and should be used with caution.

Project Energy Demand

		Natural Gas (Therm/yr/KSF)								Electricity (kWh/yr/KSF)							
Project Uses	**Amount (DU/KSF)**	**Water Heater**	**Primary Heat**	**Cooking**	**Dryer**	**Cooling**	**Misc**	**Refrig.**	**Total**	**Water Heater**	**Primary Heat**	**Cooling**	**Dryer**	**Cooling**	**Misc**	**Refrig.**	**Total**
Apartment High Rise	1000	268,000	48,000	20,000	17,000	31,000	35,000	NA	**419,000**	1,052,000	330,000	262,000	365,000	205,000	560,000	NA	**2,794,000**
High Turnover (Sit Down Restaurant)	6.167	589	242	4,696	NA	316	439	26	**6,207**	229	1,755	0	NA	21,304	58,694	40,827	**122,809**
Total		268,589	48,242	24,586	17,000	31,316	35,439	26	**425,207**	1,052,229	331,755	262,000	365,000	226,304	618,694	40,827	**2,916,809**

CalEEMod Adjustments

Default Values

	Total Electricity	Total Natural Gas	Check	Difference between CalEEMod and CAPCOA natural gas usage
Apartment High Rise	3,283,894	9,671,316	41,900,000	327%
High Turnover (Sit Down Restaurant)	233,236	620,936	620,636	0%
Enclosed Parking with Elevator	1,622,417	0		
Total	5,109,547	10,543,554	42,520,636	

Adjusted Values

	Total Electricity	Total Natural Gas	
Apartment High Rise	3,945,343	0	Note: Includes an adjustment to account for difference between CalEEMod and CAPCOA natural gas usage
High Turnover (Sit Down Restaurant)	336,045	459,599	
Enclosed Parking with Elevator	1,374,680	0	
Total	5,656,076	459,599	

Additional Sources

	Natural Gas (Btu/hr)	Electricity (kWh/yr for an average single-family residential pool)		
	Pool and Spa Heat	**Pool Heat Pump**	**Pool Pump**	**Spa Pump**
Swimming Pool (3)	800,000	575,600	2898	683
	Natural Gas (kBtu/yr)	**Electricity (kWh/yr)**		
	5,256,000	3,538,800	43,470	10,245 1,630,515

- Pool and Spa heat based on 2 (400,000 btu/hr) natural gas heaters 6 hours per day for 365 days/yr.
- Pool and spa pumps electricity usage is based on 2019 California Residential Appliance Saturation Study, Page 6: https://www.energy.ca.gov/sites/default/files/2021-08/CEC-200-2021-005-ES.PDF
- Project pool and spa are conservatively estimated to be approximately 3 times the average single family residential pool.
- Electric pool heat (heat pump) assumes conversion of 1 therm = 30 kwh.

	Units	Natural Gas (kBtu/yr)	Electricity (kWh/yr)
Grills (6) @ 360,000 btu/hr	6	539,136	161,741

Notes:
(1) CalEEmod provide pollutant emissions associated fireplaces, but does not include natural gas usage in output files. The provided usage rate is consistent with CalEEMod default factors (i.e., 90 percent of DUs have 60,000 btu/hr fireplaces, operate 25 days per year for three hours per day).
(2) Natural gas grills and fireplaces are assumed to operate 104 days per year for three hours per day @ 80 percent output.

Total with CalEEMod Defaults

	Total Electricity	Total Natural Gas
Land Uses	5,109,547	10,543,554
Swimming Pool (3)	53,755	5,256,000
Grills (6) @ 360,000 btu/hr		539,136
Total:	5,162,862	16,340,690

Compliance with Ordinance No. 187,714

	Total Electricity	Total Natural Gas
Land Uses	5,656,076	459,599
Swimming Pool (3)	1,630,515	0
Grills (6) @ 360,000 btu/hr	161,741	
Total:	7,448,332	459,599
Difference in Energy Use with Implementation of Ordinance:	2,285,470	-15,881,091
Percent Change:	44%	-97%

GHG Emissions

	Electricity lb/MWh	Natural Gas lb/MMBtu	Global Warming Potential	
	532	116.9771	1	CO_2
	0.0489	0.0104	25	CH_4
	0.0069	0.0002	298	N_2O
Default Values CO2e	785	869	1,655	mtons/yr
Code Compliance Values CO2e	1,133	24	1,157	mtons/yr
			(497)	mtons/yr decrease

EMFAC2021 Emissions Inventory
Region Type: County
Region: Los Angeles
Calendar Year: 2032
Season: Annual
Vehicle Classification: EMFAC2007 Categories

Region	CalYr	Season	Veh_Class	Fuel	MdlYr	Speed (miles/hr)	Population (vehicles)	VMT (miles/day)	Trips (trips/day)	Fuel_Gas (1000 gallons/day)	Fuel_DSL (1000 gallons/day)
Los Angeles	2032	Annual	HHDT	Diesel	Aggregated	Aggregated	60,990	7,712,063	968,238	0.00	1,132.12
Los Angeles	2032	Annual	HHDT	Gasoline	Aggregated	Aggregated	17	1,918	338	0.40	0.00
Los Angeles	2032	Annual	LDA	Diesel	Aggregated	Aggregated	3,708	119,511	16,151	0.00	2.65
Los Angeles	2032	Annual	LDA	Gasoline	Aggregated	Aggregated	3,068,824	118,725,200	14,229,411	3,679.88	0.00
Los Angeles	2032	Annual	LDT1	Diesel	Aggregated	Aggregated	2	89	10	0.00	0.00
Los Angeles	2032	Annual	LDT1	Gasoline	Aggregated	Aggregated	287,184	10,403,138	1,274,836	385.05	0.00
Los Angeles	2032	Annual	LDT2	Diesel	Aggregated	Aggregated	6,524	264,838	30,955	0.00	7.77
Los Angeles	2032	Annual	LDT2	Gasoline	Aggregated	Aggregated	1,828,693	72,666,506	8,559,238	2,763.49	0.00
Los Angeles	2032	Annual	LHDT1	Diesel	Aggregated	Aggregated	73,593	2,961,123	925,707	0.00	140.56
Los Angeles	2032	Annual	LHDT1	Gasoline	Aggregated	Aggregated	120,506	4,631,040	1,795,363	302.01	0.00
Los Angeles	2032	Annual	LHDT2	Diesel	Aggregated	Aggregated	34,707	1,351,890	436,574	0.00	75.24
Los Angeles	2032	Annual	LHDT2	Gasoline	Aggregated	Aggregated	17,695	696,807	263,634	47.67	0.00
Los Angeles	2032	Annual	MCY	Gasoline	Aggregated	Aggregated	174,741	1,091,268	349,482	26.05	0.00
Los Angeles	2032	Annual	MDV	Diesel	Aggregated	Aggregated	11,943	443,841	55,571	0.00	17.21
Los Angeles	2032	Annual	MDV	Gasoline	Aggregated	Aggregated	1,050,467	39,309,646	4,880,286	1,824.65	0.00
Los Angeles	2032	Annual	MH	Diesel	Aggregated	Aggregated	6,788	70,239	679	0.00	7.06
Los Angeles	2032	Annual	MH	Gasoline	Aggregated	Aggregated	13,486	144,434	1,349	29.82	0.00
Los Angeles	2032	Annual	MHDT	Diesel	Aggregated	Aggregated	63,299	2,487,046	781,231	0.00	268.18
Los Angeles	2032	Annual	MHDT	Gasoline	Aggregated	Aggregated	11,789	616,724	235,866	110.85	0.00
Los Angeles	2032	Annual	OBUS	Diesel	Aggregated	Aggregated	2,395	172,835	32,013	0.00	23.34
Los Angeles	2032	Annual	OBUS	Gasoline	Aggregated	Aggregated	2,837	94,154	56,781	17.45	0.00
Los Angeles	2032	Annual	SBUS	Diesel	Aggregated	Aggregated	1,342	27,687	19,431	0.00	3.62
Los Angeles	2032	Annual	SBUS	Gasoline	Aggregated	Aggregated	1,580	71,103	6,320	7.68	0.00
Los Angeles	2032	Annual	UBUS	Diesel	Aggregated	Aggregated	0	23	1	0.00	0.00
Los Angeles	2032	Annual	UBUS	Gasoline	Aggregated	Aggregated	378	28,693	1,513	6.05	0.00
Los Angeles	2032	Annual	LDA	Plug-in Hybrid	Aggregated	Aggregated	126,320	2,306,951	522,331	84.32	0.00
Los Angeles	2032	Annual	LDT1	Plug-in Hybrid	Aggregated	Aggregated	2,730	51,374	11,290	1.88	0.00
Los Angeles	2032	Annual	LDT2	Plug-in Hybrid	Aggregated	Aggregated	34,731	634,105	143,862	23.40	0.00
Los Angeles	2032	Annual	MDV	Plug-in Hybrid	Aggregated	Aggregated	21,293	364,970	88,004	13.68	0.00

				MPG	Gallons Per Mile
Totals	267,389,216.51		9,324.34	1,677.73	**24.3**	0.04
Total (GAS)	251,778,031.81	0.94			**27.0**	0.04
Total (DSL)	15,611,184.70	0.06			**9.3**	0.11

Baseline Year
Calendar Year: 2024
Season: Annual
Vehicle Classification: EMFAC2007 Categories

Region	CalYr	Season	Veh_Class	Fuel	MdlYr	Speed (miles/hr)	Population (vehicles)	VMT (miles/day)	Trips (trips/day)	Fuel_Gas (1000 gallons/day)	Fuel_DSL (1000 gallons/day)
Los Angeles	2024	Annual	HHDT	Diesel	Aggregated	Aggregated	53,754	6,853,263	838,229	0.00	1,133.15
Los Angeles	2024	Annual	HHDT	Gasoline	Aggregated	Aggregated	44	2,968	874	0.73	0.00
Los Angeles	2024	Annual	LDA	Diesel	Aggregated	Aggregated	9,078	270,276	37,297	0.00	6.72
Los Angeles	2024	Annual	LDA	Gasoline	Aggregated	Aggregated	3,388,823	134,787,726	15,748,887	4,681.69	0.00
Los Angeles	2024	Annual	LDT1	Diesel	Aggregated	Aggregated	122	2,462	360	0.00	0.11
Los Angeles	2024	Annual	LDT1	Gasoline	Aggregated	Aggregated	318,253	11,637,173	1,401,220	483.30	0.00
Los Angeles	2024	Annual	LDT2	Diesel	Aggregated	Aggregated	5,016	218,613	24,221	0.00	7.06
Los Angeles	2024	Annual	LDT2	Gasoline	Aggregated	Aggregated	1,580,817	65,943,414	7,487,016	2,019.14	0.00
Los Angeles	2024	Annual	LHDT1	Diesel	Aggregated	Aggregated	57,966	2,559,141	729,143	0.00	125.04
Los Angeles	2024	Annual	LHDT1	Gasoline	Aggregated	Aggregated	126,447	5,033,815	1,883,870	372.61	0.00
Los Angeles	2024	Annual	LHDT2	Diesel	Aggregated	Aggregated	26,105	1,133,992	328,371	0.00	65.75
Los Angeles	2024	Annual	LHDT2	Gasoline	Aggregated	Aggregated	19,310	723,443	287,696	61.32	0.00
Los Angeles	2024	Annual	MCY	Gasoline	Aggregated	Aggregated	150,984	992,732	301,968	24.08	0.00
Los Angeles	2024	Annual	MDV	Diesel	Aggregated	Aggregated	11,173	440,034	52,678	0.00	18.90
Los Angeles	2024	Annual	MDV	Gasoline	Aggregated	Aggregated	961,866	36,861,227	4,457,929	1,033.82	0.00
Los Angeles	2024	Annual	MH	Diesel	Aggregated	Aggregated	5,642	58,114	564	0.00	5.92
Los Angeles	2024	Annual	MH	Gasoline	Aggregated	Aggregated	15,894	156,938	1,590	32.40	0.00
Los Angeles	2024	Annual	MHDT	Diesel	Aggregated	Aggregated	60,974	2,592,300	748,009	0.00	290.83
Los Angeles	2024	Annual	MHDT	Gasoline	Aggregated	Aggregated	14,868	815,923	297,486	158.20	0.00
Los Angeles	2024	Annual	OBUS	Diesel	Aggregated	Aggregated	2,141	170,283	27,730	0.00	24.69
Los Angeles	2024	Annual	OBUS	Gasoline	Aggregated	Aggregated	3,744	149,450	74,914	29.68	0.00
Los Angeles	2024	Annual	SBUS	Diesel	Aggregated	Aggregated	1,563	40,241	28,427	0.00	5.46
Los Angeles	2024	Annual	SBUS	Gasoline	Aggregated	Aggregated	1,424	65,854	5,696	7.33	0.00
Los Angeles	2024	Annual	UBUS	Diesel	Aggregated	Aggregated	39	6,249	155	0.00	0.98
Los Angeles	2024	Annual	UBUS	Gasoline	Aggregated	Aggregated	438	30,984	1,750	6.75	0.00
Los Angeles	2024	Annual	LDA	Plug-in Hybrid	Aggregated	Aggregated	93,801	2,160,200	387,866	78.58	0.00
Los Angeles	2024	Annual	LDT1	Plug-in Hybrid	Aggregated	Aggregated	478	10,957	1,977	0.40	0.00
Los Angeles	2024	Annual	LDT2	Plug-in Hybrid	Aggregated	Aggregated	13,889	319,671	57,480	11.72	0.00
Los Angeles	2024	Annual	MDV	Plug-in Hybrid	Aggregated	Aggregated	8,066	172,561	33,353	6.42	0.00

				MPG	Gallons Per Mile
Totals	274,210,953.18		10,708.19	1,684.61	**22.1**	0.05
Total (GAS)	259,865,035.68	0.95			**24.3**	0.04
Total (DSL)	14,345,957.50	0.05			**8.5**	0.12

Peak Electricity Demand Calculations

Electrical Load Factor Equation

$$f_{Load} = \frac{\text{Average load}}{\text{Maximum load in given time period}}$$

Load Factor (%)[1]	**52%**

Project Electricity Demand (Operational)

Annual Demand	**Project**
Building (MWh)	7,888
Water (MWh)	354
Total (MWh)	8,241
Average Daily Demand	
Building (kWh)	21,610
Water (kWh)	969
Total (kWh)	22,579
Average Load	
Building (kW)	900
Water (kW)	40
Total (kW)	941

Peak Load Calculation

Peak Load (kW)	1,772
Systemwide Peak Load (MW)	6,190
Percent of Peak	0.029%

[1]2017 Report: System Efficiency of California's Electric Grid. California Public Utilities Comr
2017. Page 11, Figure 6. Visual estimate.

EMFAC Emission inventories for County

EMFAC2021 (v1.0.1) Emissions Inventory

Region Type: County

Region: Los Angeles

Calendar Year: **2026** (Construction Start Year)

Season: Annual

Vehicle Classification: EMFAC2011 Categories

Region	CalYr	VehClass	MdlYr	Speed	Fuel	Fuel_Gasoline (1000 gallons/day)	Fuel_DSL (1000 gallons/day)
Los Angeles	2026	HHDT	Aggregate	Aggregate	Diesel	0.00	1137.39
Los Angeles	2026	HHDT	Aggregate	Aggregate	Gasoline	0.60	0.00
Los Angeles	2026	LDA	Aggregate	Aggregate	Diesel	0.00	5.43
Los Angeles	2026	LDA	Aggregate	Aggregate	Gasoline	4348.93	0.00
Los Angeles	2026	LDT1	Aggregate	Aggregate	Diesel	0.00	0.08
Los Angeles	2026	LDT1	Aggregate	Aggregate	Gasoline	452.49	0.00
Los Angeles	2026	LDT2	Aggregate	Aggregate	Diesel	0.00	7.36
Los Angeles	2026	LDT2	Aggregate	Aggregate	Gasoline	2800.01	0.00
Los Angeles	2026	LHDT1	Aggregate	Aggregate	Diesel	0.00	134.85
Los Angeles	2026	LHDT1	Aggregate	Aggregate	Gasoline	358.04	0.00
Los Angeles	2026	LHDT2	Aggregate	Aggregate	Diesel	0.00	71.32
Los Angeles	2026	LHDT2	Aggregate	Aggregate	Gasoline	58.26	0.00
Los Angeles	2026	MCY	Aggregate	Aggregate	Gasoline	24.78	0.00
Los Angeles	2026	MDV	Aggregate	Aggregate	Diesel	0.00	18.51
Los Angeles	2026	MDV	Aggregate	Aggregate	Gasoline	1895.54	0.00
Los Angeles	2026	MH	Aggregate	Aggregate	Diesel	0.00	6.30
Los Angeles	2026	MH	Aggregate	Aggregate	Gasoline	31.54	0.00
Los Angeles	2026	MHDT	Aggregate	Aggregate	Diesel	0.00	291.63
Los Angeles	2026	MHDT	Aggregate	Aggregate	Gasoline	147.17	0.00
Los Angeles	2026	OBUS	Aggregate	Aggregate	Diesel	0.00	24.28
Los Angeles	2026	OBUS	Aggregate	Aggregate	Gasoline	26.17	0.00
Los Angeles	2026	SBUS	Aggregate	Aggregate	Diesel	0.00	5.06
Los Angeles	2026	SBUS	Aggregate	Aggregate	Gasoline	7.54	0.00
Los Angeles	2026	UBUS	Aggregate	Aggregate	Diesel	0.00	0.93
Los Angeles	2026	UBUS	Aggregate	Aggregate	Gasoline	6.65	0.00
Los Angeles	2026	LDA	Aggregate	Aggregate	Plug-in Hybrid	82.30	0.00
Los Angeles	2026	LDT1	Aggregate	Aggregate	Plug-in Hybrid	0.70	0.00
Los Angeles	2026	LDT2	Aggregate	Aggregate	Plug-in Hybrid	14.79	0.00
Los Angeles	2026	MDV	Aggregate	Aggregate	Plug-in Hybrid	8.49	0.00
						3,746,357,298	621,640,500
					Fuel Usage for Project Construction	603,400	664,814
					Percentage of County for Construction	0.0161%	0.107%

EMFAC Emission inventories for County

EMFAC2021 (v1.0.1) Emissions Inventory
Region Type: County
Region: Los Angeles
Calendar Year: **2032** (Operational Start Year)
Season: Annual
Vehicle Classification: EMFAC2011 Categories

Region	CalYr	VehClass	MdlYr	Speed	Fuel	Fuel_Gasoline (1000 gallons/day)	Fuel_DSL (1000 gallons/day)
Los Angeles	2032	HHDT	Aggregate	Aggregate	Diesel	0.00	1132.12
Los Angeles	2032	HHDT	Aggregate	Aggregate	Gasoline	0.40	0.00
Los Angeles	2032	LDA	Aggregate	Aggregate	Diesel	0.00	2.65
Los Angeles	2032	LDA	Aggregate	Aggregate	Gasoline	3679.88	0.00
Los Angeles	2032	LDT1	Aggregate	Aggregate	Diesel	0.00	0.00
Los Angeles	2032	LDT1	Aggregate	Aggregate	Gasoline	385.05	0.00
Los Angeles	2032	LDT2	Aggregate	Aggregate	Diesel	0.00	7.77
Los Angeles	2032	LDT2	Aggregate	Aggregate	Gasoline	2763.49	0.00
Los Angeles	2032	LHDT1	Aggregate	Aggregate	Diesel	0.00	140.56
Los Angeles	2032	LHDT1	Aggregate	Aggregate	Gasoline	302.01	0.00
Los Angeles	2032	LHDT2	Aggregate	Aggregate	Diesel	0.00	75.24
Los Angeles	2032	LHDT2	Aggregate	Aggregate	Gasoline	47.67	0.00
Los Angeles	2032	MCY	Aggregate	Aggregate	Gasoline	26.05	0.00
Los Angeles	2032	MDV	Aggregate	Aggregate	Diesel	0.00	17.21
Los Angeles	2032	MDV	Aggregate	Aggregate	Gasoline	1824.65	0.00
Los Angeles	2032	MH	Aggregate	Aggregate	Diesel	0.00	7.06
Los Angeles	2032	MH	Aggregate	Aggregate	Gasoline	29.82	0.00
Los Angeles	2032	MHDT	Aggregate	Aggregate	Diesel	0.00	268.16
Los Angeles	2032	MHDT	Aggregate	Aggregate	Gasoline	110.85	0.00
Los Angeles	2032	OBUS	Aggregate	Aggregate	Diesel	0.00	23.34
Los Angeles	2032	OBUS	Aggregate	Aggregate	Gasoline	17.45	0.00
Los Angeles	2032	SBUS	Aggregate	Aggregate	Diesel	0.00	3.62
Los Angeles	2032	SBUS	Aggregate	Aggregate	Gasoline	7.68	0.00
Los Angeles	2032	UBUS	Aggregate	Aggregate	Diesel	0.00	0.00
Los Angeles	2032	UBUS	Aggregate	Aggregate	Gasoline	6.05	0.00
Los Angeles	2032	LDA	Aggregate	Aggregate	Plug-in Hybrid	84.32	0.00
Los Angeles	2032	LDT1	Aggregate	Aggregate	Plug-in Hybrid	1.88	0.00
Los Angeles	2032	LDT2	Aggregate	Aggregate	Plug-in Hybrid	23.40	0.00
Los Angeles	2032	MDV	Aggregate	Aggregate	Plug-in Hybrid	13.68	0.00

	3,358,385,245	612,370,685
Net Fuel Usage for Project Operation	386,543	70,640
Percentage of County for Operation	0.0115%	0.0115%

ENTITLEMENT-LEVEL GEOTECHNICAL REPORT
ROW DTLA RESIDENTIAL PROJECT
767 S. Alameda Street
Los Angeles, California

Prepared for

ALAMEDA SQUARE OWNER LLC
1318E 7th Street
Los Angeles, California, 90021

Submitted by

GROUP DELTA CONSULTANTS, INC.
370 Amapola Avenue, Suite 212
Torrance, California 90501
GDC Project No. LA-1598

November 6, 2024

GROUP DELTA

Alameda Square Owner LLC
1318 E 7th Street
Los Angeles, California

November 6, 2024
Project No. LA1598

Attention: Mr. Jeffrey A. Goldberger

SUBJECT: Entitlement-Level Geotechnical Report
ROW DTLA Residential Project
767 S. Alameda Street, Los Angeles, California

Dear Mr. Goldberger,

Group Delta Consultants (GDC) is pleased to submit this entitlement-level geotechnical report for the proposed ROW DTLA Residential Project to be constructed at 767 South Alameda Street in Los Angeles, California. Our scope of work was conducted in general accordance with our proposal dated December 19, 2022, the Atlas Statement of Work Purchase Order dated January 5, 2023 (PO/Contract No. grp-3310-002-017) and the agreement between your firm and Group Delta Consultants, Inc. included in the Purchase Order. **This report has been prepared in support of project entitlements only and may not contain information for final design or to obtain construction permits.** A subsequent design-level report will need to be prepared and submitted to the City of Los Angeles Department of Building and Safety during design and permitting for construction.

We appreciate the opportunity to provide geotechnical services for this significant project. Should you have any questions regarding this report, or if we can be of further service, please do not hesitate to contact us.

Sincerely,

GROUP DELTA CONSULTANTS, INC.

PK Ghandi

Pirooz Kashighandi, Ph.D., G.E.
Senior Engineer

REGISTERED PROFESSIONAL ENGINEER
PIROOZ KASHIGHANDI
GE 3104
GEOTECHNICAL
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Jaime Bueno, P.E.
Associate Engineer

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JAIME LUIS BUENO MARCOS
No. C 85389
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CIVIL
STATE OF CALIFORNIA

Distribution: Addressee C/O Marisa Fontaine (1 electronic copy)

TABLE OF CONTENTS

1.0 INTRODUCTION 1
1.1 Development Area and ROW DTLA Residential Project Description 1
1.2 Scope of Work 2
2.0 GEOTECHNICAL FIELD INVESTIGATION 2
3.0 LABORATORY TESTING PROGRAM 3
4.0 SUBSURFACE CONDITIONS 3
5.0 GEOLOGIC AND SEISMIC HAZARDS 4
5.1 Geologic Setting 4
5.2 Seismic Setting 4
5.3 Surface Fault Rupture 5
5.4 Liquefaction and Seismically Induced Ground Failure 5
5.5 Landslides 6
5.6 Naturally Occurring Methane 6
5.7 Soil Stability 6
5.7.1 Erosion 6
5.7.2 Collapse and/or Expansion 7
5.7.3 Subsidence 7
5.8 Soil Corrosivity 7
5.9 Wastewater Disposal 8
5.10 Geologic Features of Significance 8
6.0 PRELIMINARY GEOTECHNICAL RECOMMENDATIONS 9
6.1 General 9
6.2 Temporary Excavation and Shoring 9
6.3 Basement Walls 11
6.4 Foundations 11
6.5 Floor Slab 11
6.6 Seismic Considerations 11
6.7 Stormwater Infiltration 12
7.0 LIMITATIONS 13
8.0 REFERENCES 14

LIST OF FIGURES

Figure 1 Site Vicinity Map
Figure 2 Exploration Location Plan
Figure 3 Cross Section A-A'
Figure 4 Regional Geologic Map
Figure 5 Regional Seismicity and Fault Map
Figure 6 Earthquake Zones of Required Investigations Map
Figure 7 Historical Highest Groundwater Map

LIST OF TABLES

Table 1	List of Nearest Earthquake Faults
Table 2	Soil Corrosivity Test Results
Table 3	Mapped Seismic Design Acceleration Parameters
Table 4	Infiltration Rate Based on Grain-Size Analyses

LIST OF APPENDICES

Appendix A	Field Exploration
Appendix B	Laboratory Testing

ENTITLEMENT-LEVEL GEOTECHNICAL REPORT
ROW DTLA RESIDENTIAL PROJECT
767 S. ALAMEDA STREET
LOS ANGELES, CALIFORNIA

1.0 INTRODUCTION

This report has been prepared to present the findings of our geotechnical investigation. The intent of this report is to identify the primary geologic hazards and geotechnical issues affecting the Development Area and provide preliminary design recommendations to support project entitlements and the conceptual design of the ROW DTLA Residential Project.

This report is not sufficient for final geotechnical design and is not suitable for submission to obtain construction permitting. A design-level geotechnical report will be required for those purposes.

This report provides a description of the ROW DTLA Residential Project, our scope of work, findings from the investigation, and preliminary geotechnical design recommendations.

1.1 Development Area and ROW DTLA Residential Project Description

The ROW DTLA Residential Project site) is located within the ROW DTLA campus in the City of Los Angeles, California, as shown on Figure 1. The topography of the site and immediate vicinity is relatively level with the ground surface gently sloping towards the south and east. Ground surface elevations range from approximately 245 feet to 243 feet above mean sea level.

The ROW DTLA Residential Project ("Project") includes the construction of two mixed-use buildings and one multi-family building on the existing paved surface parking lots of the Development Area in the Project site. The Development Area consists of the north and south lots on a portion of the existing ROW DTLA site at 757-787 S. Alameda Street, 1318-1396 E. 7th Street, 736-796 S. Central Avenue, 1301-1327 E. 8th Street, 700-760 S. Market Court, 720-746 S. Terminal Street, and 760 S. Warehouse Street (the "Site") located in the Central City Community Plan area of the City of Los Angeles (the "City"). The three new buildings would be located just north and south of Center Street, which runs east-west through the Site.

The Project proposes three eight-story new construction buildings, including 1,000 total residential units, with 11% Very Low-Income units, 1,000 parking spaces, and 6,131 square feet of retail and cafe space. Buildings A and B are planned in the south lot, while Building C is planned in the north lot.

Building A would include 1,267 square feet of commercial space at the first floor; 417 residential units at the first through eighth floors; and two levels of subterranean parking. Building B would include 216 residential units at the first through eight floors and two levels of subterranean parking. Building C would consist of 4,946 square feet of commercial space at the first floor; 367 residential units at the first through eighth floors; and one level of subterranean parking.

1.2 Scope of Work

The purpose of this investigation is to address the primary geotechnical and geologic factors affecting the Development Area in accordance with the California Environmental Quality Act (CEQA) guidelines and to provide preliminary geotechnical design recommendations for project planning purposes. Our scope of work as part of this investigation included the following:

- Review of available data for the Development Area including
  - Published maps and reports from the United States Geological Survey (USGS), California Geological Survey (CGS), and the Safety Element of the General Plan for the City of Los Angeles.
  - Geotechnical reports obtained from the City of Los Angeles Department of Building and Safety (LADBS) or Alameda Square Owner LLC (Alameda Square) for previous investigations conducted at or near the Development Area.
  - Conceptual development plans provided by client and the project team.
- Subsurface explorations
- Laboratory testing
- Engineering analyses
  Preparation of this report

2.0 GEOTECHNICAL FIELD INVESTIGATION

Group Delta performed a geotechnical field investigation program consisting of a visual site reconnaissance, utility locating investigation, and subsurface explorations. The site reconnaissance was conducted to assess the existing site conditions and mark the proposed exploration locations. Information from the reconnaissance was used to determine the accessibility of the Development Area for field equipment and notify Underground Service Alert for utility clearance. Subsequent to the reconnaissance, a subsurface utility investigation was performed by way of a ground penetrating radar survey as an added measure to clear the exploration locations of any potential conflict with existing utilities.

Group Delta explored the subsurface conditions of the Development Area by drilling a collection of hollow-stem auger borings and performing several cone penetration tests (CPTs). The aim of the subsurface explorations was to characterize the stratigraphy and evaluate the engineering properties of the in-situ soils.

A total of seven (7) hollow-stem auger borings were advanced to depths of 30 to 50 feet below the existing grade. The borings were positioned throughout the Development Area, particularly within the footprint of the proposed structures, at the locations shown on Figure 2.

To supplement the data from the borings, eight (8) cone penetration test soundings were performed to depths of about 20 to 45 feet below the existing grade at the locations shown on

Figure 2. Details of the explorations and the logs of the borings and CPTs are presented in the Appendix A.

3.0 LABORATORY TESTING PROGRAM

Laboratory tests were performed on selected samples obtained from the borings to aid in the classification of the soils and to determine the pertinent engineering properties of the foundation soils. The following tests were performed:

- Soil Classification: USCS (ASTM D2487) and Visual Manual (ASTM D2488)
- In-situ moisture content (ASTM D2216) & Dry Unit Weight (ASTM D2937);
- Direct Shear (ASTM D3080);
- Sieve Analyses (ASTM D422);
- Expansion Index (ASTM D4829);
- Maximum Dry Density (ASTM D1557);
- R-value (CTM-301)
- Soil Corrosivity:
    - Minimum Electrical Resistivity (ASTM G187)
    - pH (ASTM G51)
    - Water Soluble Chloride and Sulfate (ASTM D4327)

A detailed description of the laboratory testing program and test results are presented in Appendix B.

4.0 SUBSURFACE CONDITIONS

Based on the results of the field explorations, at the surface, the Development Area consists of asphalt concrete pavement of three (3) to four (4) inches thick underlain by fill soils and native soils. Fill was encountered within all of the borings to depths ranging from two (2) to four (4) feet below the ground surface. The fill soils consist of a mixture of silty sand, sandy silt, sand lean clay, and poorly graded sand with occasional gravel and debris fragments intermixed. The native soils were primarily granular in nature comprised of alternating layers of silty sand and poorly graded to well graded sand with occasional gravel. Thin, intermittent strata of fine grained silty and clayey sediments were also observed throughout the profiles.

The upper portions of the native soils exhibited relatively loose conditions generally to a depth of 5 feet below grade and up to 12 feet at Borings B-1, B-2, and B-7. At depths of 20 feet and greater, the coarse-grained layers were dense to very dense. The subsurface conditions at the Development Area are illustrated on Figures 3 (Cross-Section A-A').

Groundwater was not encountered within any of the borings to a maximum explored depth of 50 feet below the ground surface. The Seismic Hazard Zone Report for the Los Angeles

Quadrangle (CGS, 1998) indicates that the historically highest ground water level at the Development Area is approximately 150 feet below ground surface as shown in Figure 7.

5.0 GEOLOGIC AND SEISMIC HAZARDS

5.1 Geologic Setting

Regionally, the Site, including the Development Area is located within the seismically active Los Angeles Basin area of southern California Peninsular Ranges Geomorphic Province. The Los Angeles Basin began forming over 7 million years ago through transtensional stresses and subsidence between north-west and east-west trending fault systems (Wright, 1991). Today, the basin is undergoing transpresssional stress bound by surrounding faults including the Santa Monica-Hollywood-Raymond fault system locally (Dolan, 1995). Internally, the basin is filled with sedimentation thousands of feet thick, structurally influenced by thrusting fault blocks and strike-slip faults dividing the basin into northwest trending valleys and ridges (Wright, 1991).

Locally, the Site, including the Development Area is situated on the west alluvial plain of the Los Angeles River on the northeast boundary the Los Angeles Basin. Debris carried and deposited by the Los Angeles River consist largely of eroded granitic and Tertiary sedimentary rock exposed within the surrounding mountains. Today the river is controlled within a lined channel which flows to the south, located about 0.5 miles east of the Site . The Elysian Park foothills outcrop just north of the Site exposing Tertiary sedimentary rock. Tertiary marine-deposited sedimentary rock underlies the Site at depth. The location of the Site with respect to the geological features described above is presented in Figure 4.

5.2 Seismic Setting

The Site, including the Development Area is located within the seismically active area of southern California and there is a high potential for the Site to experience strong ground shaking from local and regional faults. These hazards and their potential impact can be mitigated with proper seismic design. The intensity of ground shaking is highly dependent upon the distance of the fault to the Site , the magnitude of the earthquake, and the underlying soil conditions. The Site in relation to regional seismic faults and significant historical earthquake epicenters is presented in Figure 5. A Holocene-active fault is one that has ruptured in the last approximate 11,000 years (Holocene). Potentially active faults are faults that have ruptured in the last approximately 130,000 years.

A list of a few of the nearest active faults considered capable of producing significant shaking at the Site, including the Development Area is provided in Table 1.

Table 1: List of Nearest Earthquake Faults

Abbreviated Fault Name	Fault Type	Max. Magnitude (Mw)	Approximate Closest Surface Projected Distance* (mile)
Elysian Park (Lower)	Blind Thrust	6.7	0.9
Elysian Park (Upper)	Blind Thrust	6.7	2.0
Puente Hills	Blind Thrust	7.5	3.2
Hollywood	Strike Slip	6.5	5.7
Newport-Inglewood-Rose Canyon	Blind Thrust	7.2	7.3
San Andreas	Strike Slip	8.0	36

Notes: Maximum magnitude sourced from Southern California Earthquake Center
**Distance as measured from USGS/CGS QFault KMl files*

5.3 Surface Fault Rupture

Surface fault rupture due to active faulting has been evaluated through review of the State of California Earthquake Zones of Required Investigation Maps for the Hollywood and Los Angeles Quadrangles (CGS, 2017) and the City of Los Angeles Preliminary Fault Study Areas (NavigateLA.lacity.org). Based on our review, neither the Site nor the Development Area is located within a fault zone of required investigation and there are no Holocene-active or potentially active faults at the Development Area or projecting toward the Development Area. The closest Alquist-Priolo Earthquake Fault Zone is associated with the Newport-Inglewood-Rose Canyon Fault Zone, located approximately 6.7 miles west of the Site, including the Development Area. Therefore, the potential for surface fault rupture at the Development Area is considered low.

5.4 Liquefaction and Seismically Induced Ground Failure

Liquefaction is the sudden decrease in the strength and stiffness of unconsolidated, saturated cohesionless soils typically caused by the generation of pore water pressure during cyclic loading (e.g., seismic ground shaking). For soils to liquefy, the intensity and duration of the seismically induced cyclic loading must be sufficient to increase the excess pore water pressures to such an extent that the effective stresses on the soil particles reduces to zero. If liquefaction is initiated, the saturated soils behave temporarily as a viscous fluid and consequently lose their capacity to support the structures founded on them. The occurrence of liquefaction may also result in substantial ground deformations. Liquefaction potential has been found to be greatest where groundwater levels and loose cohesionless soils are present within 50 feet of the ground surface. The potential for liquefaction decreases with increasing clay and gravel content. Seismic shaking can also cause soil compaction and ground settlement without liquefaction occurring, including settlement of dry sands above the water table.

According to the Earthquake Zones of Required Investigation Map of the Hollywood and Los Angeles Quadrangles (CGS, 2017) neither the Site nor the Development Area is not located within an area identified as susceptible to liquefaction (Figure 6). Groundwater was not encountered to a maximum explored depth of 50 feet and the historically-highest ground water level reported by CGS at the Development Area is approximately 150 feet below the ground surface (Figure 7). Based on these groundwater conditions, the potential for liquefaction and associated ground deformation is considered low for the Development Area. Based on the low potential for liquefaction and the relatively level ground surface, the potential for lateral spreading at the Development Area is considered low.

For the proposed structures with one basement level, the excavation of the basement would remove all, or most, of the existing fill soils and loose natural sandy soils. Therefore, the potential for seismically-induced ground failure and/or excessive settlement at the Development Area is low.

5.5 Landslides

The Site, including the Development Area and immediate vicinity are relatively level with no significant slopes or grade changes. There are no mapped landslides or CGS-designated Earthquake Zones of Required Investigation for landslide hazard at or near the Development Area (Figure 6). Thus, the potential for landslide hazards at the Development Area are negligible. Where excavations for a potential subterranean level will be a part of the proposed development, proper shoring design should be implemented to ensure stable excavations and prevent the undermining of any adjacent properties or structures.

5.6 Naturally Occurring Methane

According to the City of Los Angeles, the Site, including the Development Area is not located within a designated oil field (NavigateLA). The closest oil field is the Union Oil Field which is located approximately 0.3 miles north of the Development Area. No active or abandoned oil wells are reported within the limits of the Development Area. In addition, the Development Area is not located within a mapped methane or methane-buffer zone as defined by the City of Los Angeles. Therefore, the potential for naturally-occurring oil and methane onsite is considered low.

5.7 Soil Stability

5.7.1 Erosion

Substantial soil erosion can occur along slopes and gentle gradients where loose and weakly vegetated soils are present and exposed to surface water flow and/or wind. Under the current project site conditions there is very minimal space where soil is open to the atmosphere and limited perimeter landscaping. The Project will cover the land with buildings and pavements.

With best management practices implemented during construction, erosion of soils would not be significant. The potential hazard of substantial soil erosion is negligible.

5.7.2 Collapse and/or Expansion

The existing onsite soils predominantly consist of non-expansive coarse-grained, sandy materials. Therefore, the potential of soil expansion is considered negligible.

The fill materials and upper native soils consist of loose sandy soils. These soils will be removed during basement construction and the buildings will be supported on dense native materials or compacted engineered fill. Requirements for depth of over-excavation and recompaction of the upper soils to remove fill and/or limit settlement due to wetting under pavements, hardscape, and exterior structures can be addressed during final design. Therefore, the potential hazard for soil collapse or expansion is considered low.

5.7.3 Subsidence

Subsidence in southern California is typically associated with groundwater withdrawal, oil extraction, and/or the deterioration of peat or organic soils that settle over time. State and local regulation has allowed for monitor programs and general management to reduce the negative impacts of subsidence due to groundwater and oil withdrawal. The Site, including the Development Area is not located within an active subsidence area, as defined by the USGS online map of Areas of Land Subsidence in California. In addition, the Site, including the Development Area is not located within an active oil field as defined by the City of Los Angeles (NavigateLA). The potential for subsidence at the Development Area is considered low.

5.8 Soil Corrosivity

Corrosion testing was conducted as part of this investigation on representative samples of the surficial soils. The samples were obtained from the upper 5 feet and submitted to a laboratory to measure soil corrosion potential parameters. Corrosivity testing included minimum electrical resistivity, soil pH, water-soluble chlorides, and water-soluble sulfates. The results of the testing are provided in Appendix B and are summarized in the Table 2 below.

Table 2: Soil Corrosivity Test Results

Boring No.	Depth (feet)	Soluble Sulfate Content (Caltrans 417) (%)	pH (Caltrans 643)	Soluble Chlorides (Caltrans 422) (ppm)	Saturated Electrical Resistivity (Caltrans 643) (Ohm-cm)
B-2	0'-5'	0.0087	7.9	3.2	4,000
B-6	0'-5'	0.0056	8.7	6.9	5,200
B-7	0'-5'	0.0082	8.6	3.4	4,160

The test results indicated that the corrosion potential for concrete exposed to sulfate-containing solutions is negligible. Based on the sulfate content of the soils tested, per ACI 318 there are no restrictions on cement type and/or water/cement ratio for the concrete.

The following correlation can generally be used between electrical resistivity and corrosion potential:

Electrical Resistivity (Ohm-Cm)	Corrosion Potential
Less than 1,000	Severe
1,000 to 2,000	Corrosive
2,000 to 5,000	Moderate
5,000 to 10,000	Mild

Based on the laboratory test results, the onsite soils can be classified as mildly to moderately corrosive to buried metals. The results of the corrosion potential testing on on-site soils presented should be considered in the project design and construction. These results should be provided to a corrosion consultant for interpretation and for recommendations in the design of the Project. With proper engineering design, soil corrosivity hazard is considered low.

5.9 Wastewater Disposal

The city provides wastewater disposal through the city sewer systems. The Project will be served by the city's existing sewer system and does not include septic tanks or alternative wastewater disposal systems. The potential for waste-water disposal to be a hazard at the Development Area is low.

5.10 Geologic Features of Significance

The Site, including the Development Area is situated within a densely developed area of Los Angeles, California. The Site is currently developed with industrial and commercial structures and pavements. There is no natural landscape remaining at the Development Area or in the immediate vicinity. Therefore, there is no potential hazard of destroying a natural geological feature of significance.

6.0 PRELIMINARY GEOTECHNICAL RECOMMENDATIONS

6.1 General

Based on the results of our preliminary geotechnical investigation, it is our professional opinion that development of the Project is feasible from a geotechnical standpoint. Preliminary geotechnical recommendations for design planning are discussed in the following sections. A design-level geotechnical report will be required to develop geotechnical recommendations for final design, including possible supplemental geotechnical investigation to better define the subsurface conditions and confirm engineering parameters for detailed engineering analyses.

Existing fill soils, about 5 feet thick, were encountered in the borings. In addition, loose natural soils were encountered up to a depth of approximately 12 feet in the South Lot and to a depth of approximately 8 feet in the North Lot. Existing fill soils and the loose natural soils should be over-excavated and recompacted and the proposed structures may be supported on shallow foundation and the floor slab may be supported on grade.

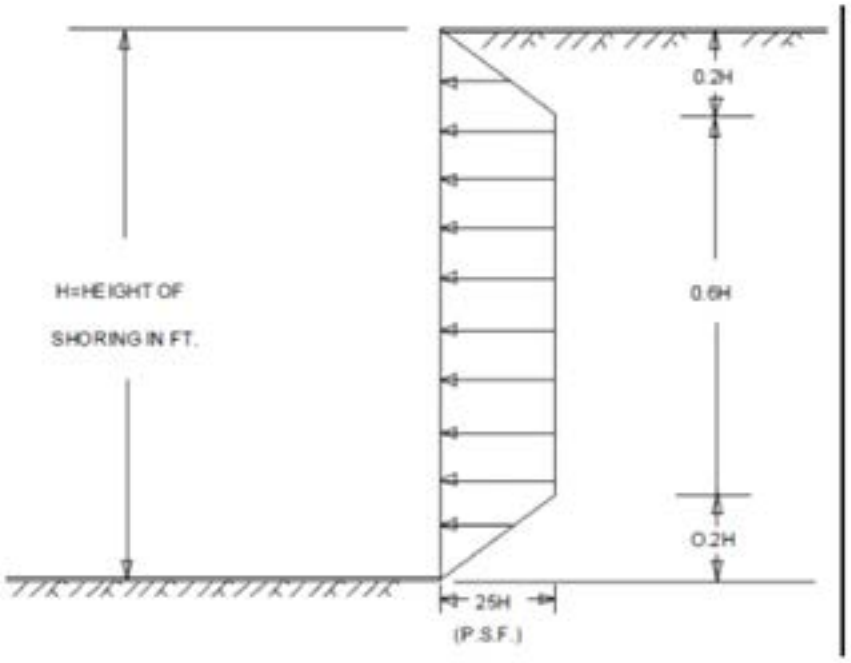
For pavements and hardscape, it may be possible to limit over-excavation and recompaction of the uncertified fill soils to a depth of approximately 3 feet if a Request for Modification of Building Ordinances is filed out with the Los Angeles Department of Building and Safety (LADBS) subject to approval.

6.2 Temporary Excavation and Shoring

Excavations up to about 20 feet below the existing grade are planned. For construction of subterranean walls, conventional soldier beams with lagging for shoring is feasible. This method of shoring would consist of steel soldier piles placed in drilled holes, backfilled with concrete.

For cantilevered shoring, we recommend using a triangular pressure distribution for calculating earth pressures. At minimum, an active earth pressure equal to that of a fluid with a density of 35 pcf may be used for level retained ground, plus and any surcharge loads resulting from loads placed above the excavation.

For preliminary design of restrained shoring systems (tie backs and/or internal bracing), we recommend the use of a trapezoidal distribution of earth pressure. The recommended pressure distribution for the case where the grade is level behind the shoring is illustrated in the diagram below, with the maximum pressure equal to 25H in pounds per square foot, where H is the height of the shoring in feet.



The recommended earth pressure provided above is a preliminary value. The design earth pressure should be estimated based on the depth of the excavation, type of the retaining structure and soil properties.

The temporary shoring system shall be designed to limit deflections and to protect adjacent buildings, utilities, and other structures, as required. A monitoring program to measure shoring deflections shall be part of the design and implemented during construction.

Caving may be anticipated during drilling. Special technique, such as casing or drilling mud may be used to prevent caving.

Surface drainage should be controlled and prevented from running down the temporary excavations or the face of the shoring. Ponding water should not be allowed within the excavation.

6.3 Basement Walls

Braced basement walls should be designed to resist at-rest earth pressures. Accordingly, for the case where the grade is level behind the walls, a triangular distribution of lateral earth pressure equivalent to that developed by a fluid with a density of 60 pounds per cubic foot may be used. This earth pressure assumes that all walls are constructed with a properly designed drainage system to prevent buildup of hydrostatic pressures behind the wall. Any surcharge loadings occurring as a result of the traffic, any heavy crane loads, and stockpiled materials should be added to this pressure.

The basement walls should be designed to resist, an active pressure combined with a seismic increment of active static lateral earth pressure. The active static lateral earth pressure is equivalent to a fluid with a density of 35 pounds per cubic foot. To compute seismic increment, a seismic lateral earth pressure coefficient (k_h) of 0.3g (one-half of two-thirds of PGA_M) was used in accordance with the procedure provided in the LADBS Bulletin No. P/BC 2020-083. Accordingly, a seismic increment of 30 pounds per cubic foot may be used for seismic design.

6.4 Foundations

For the proposed structures with one and two basement levels, the excavation of the basement would remove all, or most, of the existing fill soils and loose natural soils. Spread footings extending at least one foot into the properly compacted fill soils or undisturbed natural soils and at least 2 feet below the floor slab or lowest adjacent grade, may be designed to impose a net dead-plus-live load pressure of 5,000 pounds per square foot. The allowable bearing pressure may be increased by one-third when considering temporary loads associated with wind and seismic loading.

This value is based on the assumption that all soil to a depth of 12 feet is removed and the foundations are supported below the upper loose soils. The final foundation types and bearing capacity should be confirmed during the design-level geotechnical investigation.

6.5 Floor Slab

If the bottoms of excavations can be scarified to a depth of 6 inches, brought to near-optimum moisture content, and rolled with heavy compaction equipment, the floor slab may be supported on grade.

6.6 Seismic Considerations

Structures should be designed in general accordance with the seismic provisions of the 2022 California Building Code and ASCE 7-16 for Seismic Design Category D. Since the subsurface exploration did not include site-specific shear wave velocity measurements at the Development Area, the Development Area is classified as D-Default in accordance with Chapter 20, subject to the requirements of Section 11.4.4.

Per Section 11.4.8 of ASCE 7-16 and Supplement 3, a site-specific ground motion hazard analysis is required for "structures on Site Class D sites with S_1 greater than or equal to 0.2", unless the exception of Section 11.4.8 of Supplement 3 of ASCE 7-16 is met. Per this exception, a ground motion hazard analysis is not required where the mapped value of S_{M1} is increased by 50%.

Mapped seismic design parameters are provided below, incorporating the exception of Section 11.4.8 (S_{M1} is increased by 50%) of Supplement 3. Note that the corresponding S_{D1} and T_S are also increased as a result. The parameters tabulated below were developed using the referenced ASCE 7 Hazard Tool (ASCE, 2023).

Table 3: Mapped Seismic Design Acceleration Parameters

Design Parameters	Seismic Design Parameter Mapped Value (ASCE 7-16 Section 11.4)
Site Latitude	34.0335
Site Longitude	-118.2392
S_s (g)	1.919
S_1 (g)	0.683
Site Class	D
F_a	1.2
F_v	2.55
T_S (sec)	0.756 [1]
T_L (sec)	8
S_{MS} (g)	2.303
S_{M1} (g)	1.742 [1]
S_{DS} (g)	1.535
S_{D1} (g)	1.161 [1]
PGA_M	0.986

Notes:
[1] S_{M1} (and S_{D1}) has been increased by 50% per ASCE 7-16 Supplement 3, which also impacts the value of T_S. F_v is based on Table 11.4-2.

6.7 Stormwater Infiltration

Site-specific field percolation tests have not been performed and will be performed at a later date for final design once low-impact-development (LID) infiltration improvement locations are better defined. A preliminary stormwater infiltration rate was estimated based on hydraulic conductivity of the soils in accordance with the procedures of the "Guidelines for Design, Investigation, and Reporting Low Impact Development Stormwater Infiltration by Los Angeles

County Department of Public Works" (GS200.1, 2021) and "Planning and Land Development Handbook for Low Impact Development" by City of Los Angeles Department of Sanitation.

We have estimated the soil hydraulic conductivity using the Hazen equation as shown below:

$$K = C \times (D_{10})^2$$

Where K = Hydraulic Conductivity in cm/s
C = 1, Hazen's Empirical Coefficient
D_{10} = Grain Diameter in mm Corresponding to 10% Passing

The grain diameter corresponding to 10% passing was obtained from laboratory tests on selected samples from our field investigation. The infiltration rates based on grain-size analyses are shown in Table 4.

Table 4: Infiltration Rate Estimated Based on Grain-Size Analyses

Boring No.	Sample Depth (feet)	Soil Type	D_{10} (mm)	Reduction Factor	Computed Infiltration Rate (inch/hour)
B-1	25	Sand with Silt	0.10	3	4.7
B-3	25	Sand	0.11	3	5.7
B-6	25	Sand with Silt	0.17	3	13.7

Based on the results presented in Table 4, Group Delta recommends using a preliminary infiltration rate of about 5 in/hr. The recommended infiltration rate may be applicable for target infiltration zone at depth of 25 feet below existing ground surface or deeper. The infiltration rate should be further assessed during the design phase of the Project when more details about infiltration infrastructure characteristics and locations are known.

7.0 LIMITATIONS

This entitlement-level geotechnical report was prepared in accordance with generally accepted Geotechnical Engineering principles and practice. The professional engineering work and judgments presented in this report meet the standard of care of our profession at this time. No other warranty, expressed or implied, is made. This report has been prepared for the Alameda Square Owner LLC, and their consultants. It may not contain sufficient information for other parties for other purposes or other projects and should not be used for other projects without review and approval by Group Delta. **This entitlement-level report may not be sufficient to obtain a building permit from the City. A design-level geotechnical report will be required prior to developing final plans for the Project.**

8.0 REFERENCES

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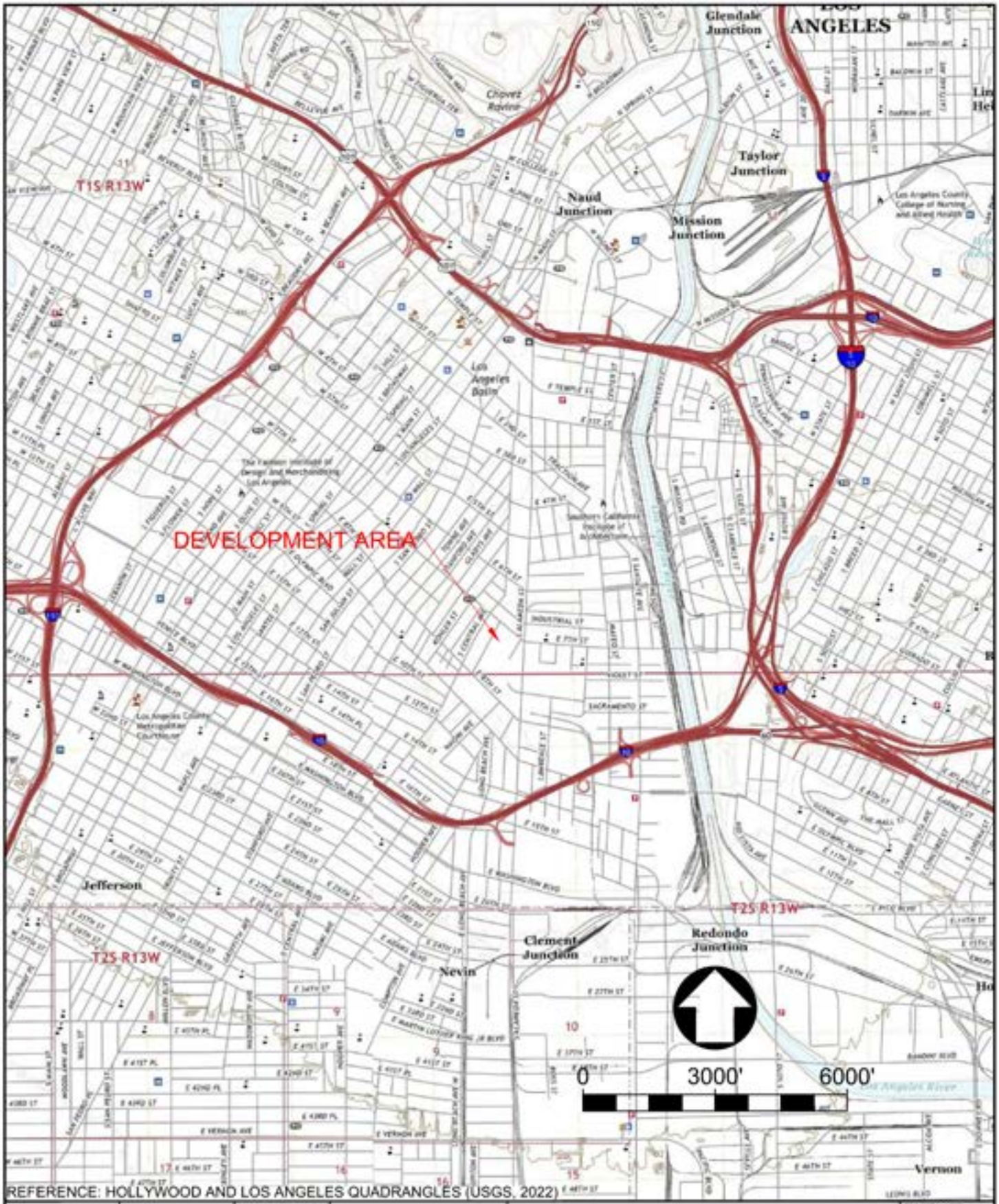

REFERENCE: HOLLYWOOD AND LOS ANGELES QUADRANGLES (USGS, 2022)

DATE: 12/29/2022	Drawn BY: JMT	GROUP DELTA CONSULTANTS, INC 370 Amapola Ave. Suite 212 Torrance, CA. 90501	SITE VICINITY MAP	PROJECT NUMBER: LA1598
REVIEWED BY: -	APPROVED BY: -		GEOTECHNICAL INVESTIGATION FOR ENTITLEMENT AND CONCEPTUAL DESIGN BOTANICAL VILLAGE AT ROW DTLA-NORTH AND SOUTH LOTS 767 S. ALAMEDA STREET, LOS ANGELES, CALIFORNIA	SCALE: AS SHOWN
PREPARED BY: -				FIGURE NUMBER: 1

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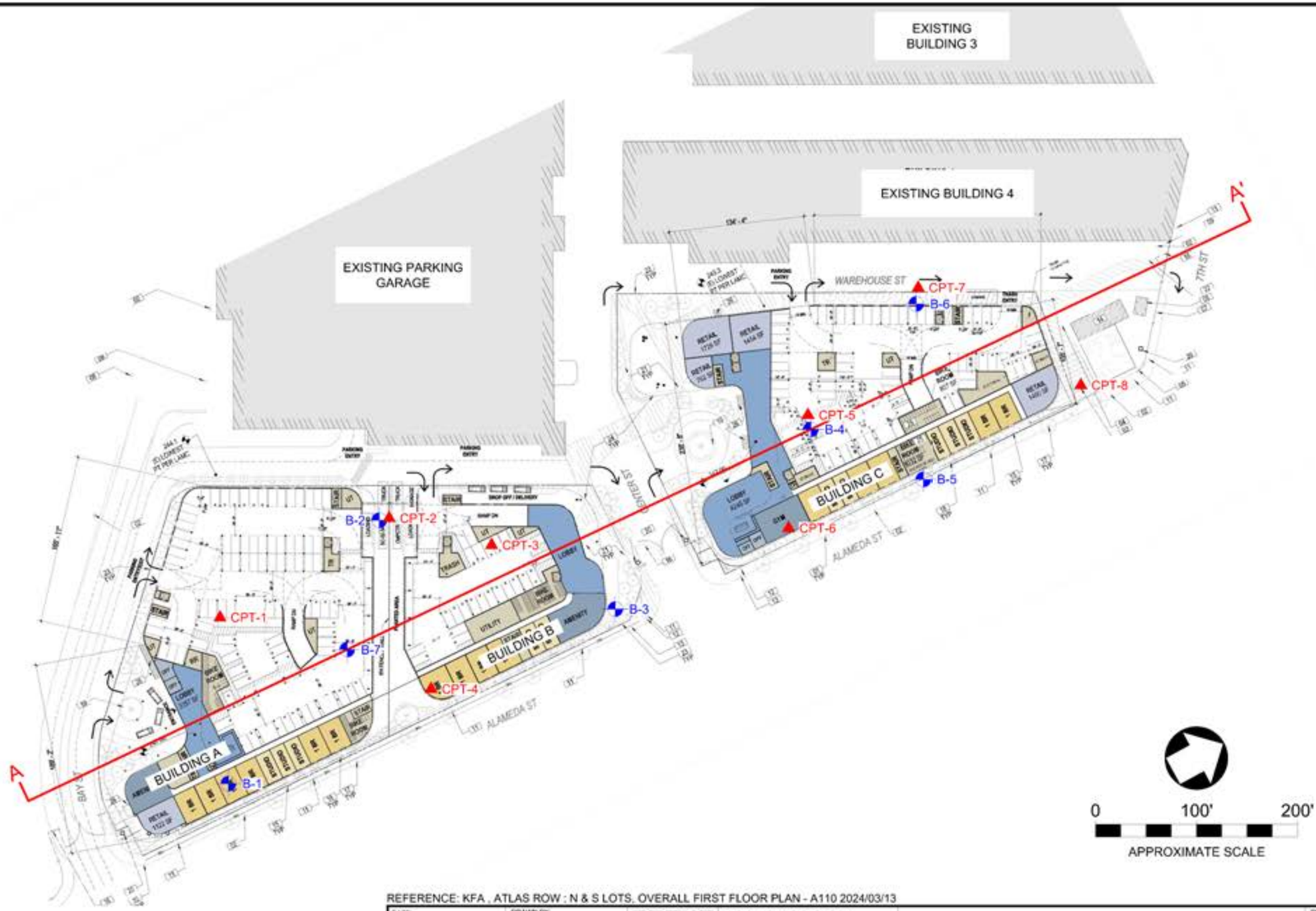

LEGEND:

B-7	APPROXIMATE BORING LOCATION
CPT-8	APPROXIMATE CPT LOCATION
A — A'	CROSS SECTION LOCATION

REFERENCE: KFA , ATLAS ROW : N & S LOTS, OVERALL FIRST FLOOR PLAN - A110 2024/03/13

DATE: 11/06/2024	DRAWN BY: JMT	GROUP DELTA	GROUP DELTA CONSULTANTS, INC 370 Amapola Ave. Suite 212 Torrance, CA. 90501	EXPLORATION LOCATION PLAN	PROJECT NUMBER: LA1598
REVIEWED BY: ET/EB	APPROVED BY: -			GEOTECHNICAL INVESTIGATION FOR ENTITLEMENT AND CONCEPTUAL DESIGN BOTANICAL VILLAGE AT ROW DTLA-NORTH AND SOUTH LOTS 767 S. ALAMEDA STREET, LOS ANGELES, CALIFORNIA	SCALE: AS SHOWN
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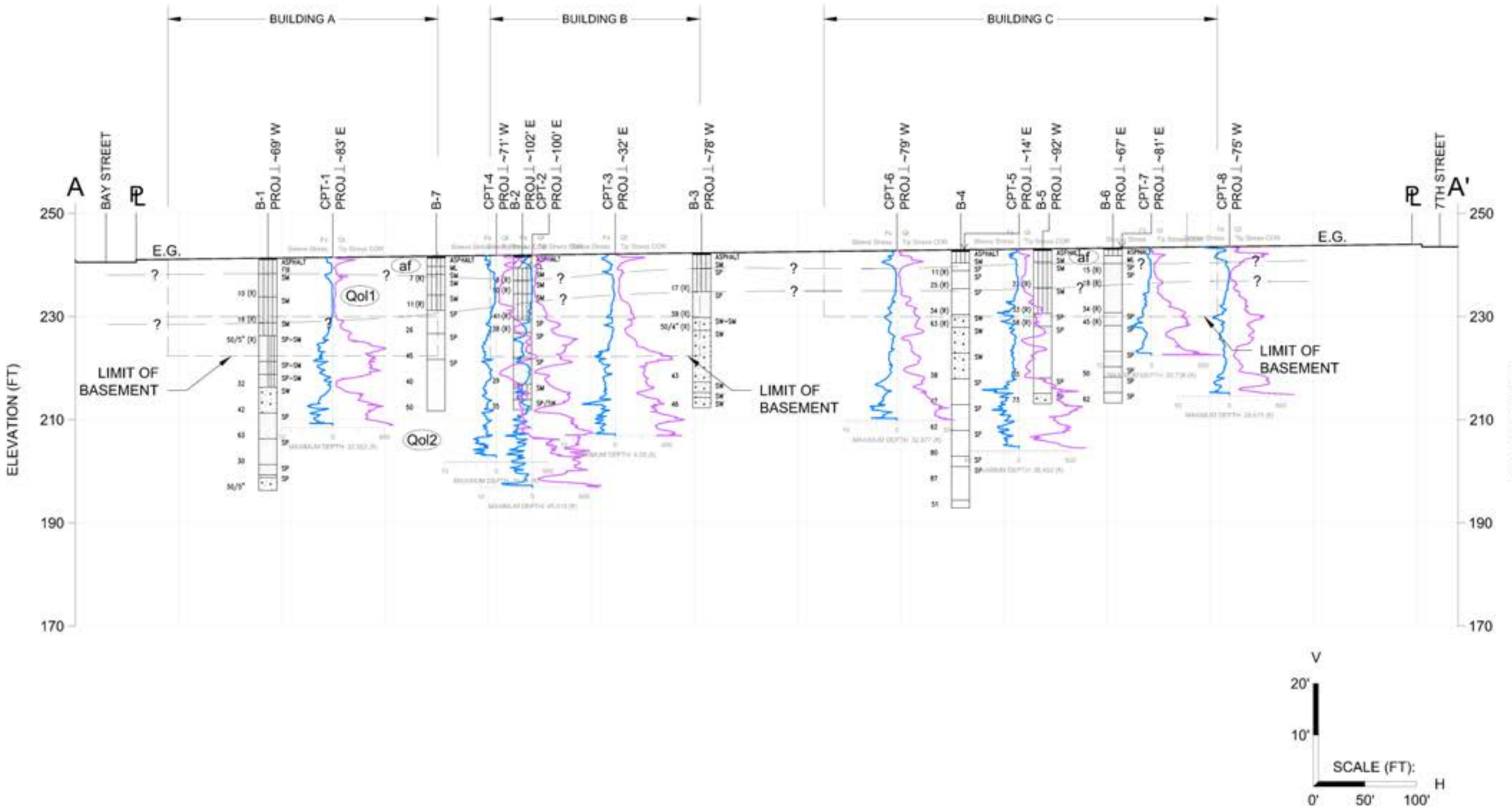

LEGEND:

af	ARTIFICIAL FILL
Qol1	ALLUVIUM - LOOSE
Qol2	ALLUVIUM - DENSE

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MAP UNITS AND SYMBOL EXPLORATION

Late Holocene (Surficial Deposits)

af — **Artificial Fill** - deposits of fill resulting from human construction, mining, or quarrying activities; includes engineered fill for buildings, roads, dams, airport runways, harbor facilities, and waste landfills

Qou — **Undifferentiated Surficial Deposits** - includes colluvium, slope wash, talus deposits, and other surficial deposits of all ages, generally unconsolidated but locally may contain consolidated layers

Qls — **Landslide Deposits** - may include debris flows and older landslides of various earth material and movement types; unconsolidated to moderately well-consolidated

Qb — **Beach Deposits** - unconsolidated marine beach sediments consisting mostly of fine- and medium-grained, well-sorted sand

Qw — **Alluvial Wash Deposits** - unconsolidated sandy and gravelly sediment deposited in recently active channels of streams and rivers; may contain loose to moderately loose sand and silty sand

Qf — **Alluvial Fan Deposits** - unconsolidated boulders, cobbles, gravel, sand, and silt recently deposited where a river or stream issues from a confined valley or canyon; sediment typically deposited in a fan-shaped cone; gravelly sediment generally more dominant than sandy sediment

Qa — **Alluvial Valley Deposits** - unconsolidated clay, silt, sand, and gravel recently deposited parallel to localized stream valleys and/or spread more regionally onto alluvial flats of larger river valleys; sandy sediment generally more dominant than gravelly sediment

Qt — **Terrace Deposits** - includes marine and stream terrace deposits; marine deposits include slightly to moderately consolidated and bedded gravel and conglomerate, sand and sandstone, and silt and siltstone; river terrace deposits consist of unconsolidated thin- to thick-bedded gravel

Ql — **Lacustrine, Playa, and Estuarine (Paralic) Deposits** - mostly unconsolidated fine-grained sand, silt, mud, and clay from fresh water (lacustrine) lakes, saline (playa) dry lakes that are periodically flooded, and estuaries; deposits may contain salt and other evaporites

Qe — **Eolian and Dune Deposits** - unconsolidated, generally well-sorted wind-blown sand; may occur as dune forms or sheet sand

Holocene to Late Pleistocene (Surficial Deposits)

Qyf — **Young Alluvial Fan Deposits** - unconsolidated to slightly consolidated, undissected to slightly dissected boulder, cobble, gravel, sand, and silt deposits issued from a confined valley or canyon

Qya — **Young Alluvial Valley Deposits** - unconsolidated to slightly consolidated, undissected to slightly dissected clay, silt, sand, and gravel along stream valleys and alluvial flats of larger rivers

Late to Middle Pleistocene (Surficial Deposits)

Qof — **Old Alluvial Fan Deposits** - slightly to moderately consolidated, moderately dissected boulder, cobble, gravel, sand, and silt deposits issued from a confined valley or canyon

Qoa — **Old Alluvial Valley Deposits** - slightly to moderately consolidated, moderately dissected clay, silt, sand, and gravel along stream valleys and alluvial flats of larger rivers

Qot — **Old Terrace Deposits** - slightly to moderately consolidated, moderately dissected marine and stream terrace deposits

Qol — **Old Lacustrine, Playa, and Estuarine (Paralic) Deposits** - slightly to moderately consolidated, moderately dissected fine-grained sand, silt, mud, and clay from lake, playa, and estuarine deposits of various types

Middle to Early Pleistocene (Surficial Deposits)

Qvof — **Very Old Alluvial Fan Deposits** - moderately to well-consolidated, highly dissected boulder, cobble, gravel, sand, and silt deposits issued from a confined valley or canyon

Qvoa — **Very Old Alluvial Valley Deposits** - moderately to well-consolidated, highly dissected clay, silt, sand, and gravel along stream valleys and alluvial flats of larger rivers, generally uplifted and deformed

Quaternary (Bedrock)

Qac — **Coarse-grained formations of Pleistocene age and younger** - primarily sandstone and conglomerate

Qafi — **Fine-grained formations of Pleistocene age and younger** - includes fine-grained sandstone, siltstone, mudstone, shale, siliceous and calcareous sediments

Tertiary (Bedrock)

Tsc — **Coarse-grained Tertiary age formations** - primarily sandstone and conglomerate

Tsf — **Fine-grained Tertiary age formations** - includes fine-grained sandstone, siltstone, mudstone, shale, siliceous and calcareous sediments

Tv — **Tertiary age formations of volcanic origin**

Mesozoic and Older (Bedrock)

Kac — **Coarse-grained Cretaceous age formations of sedimentary origin**

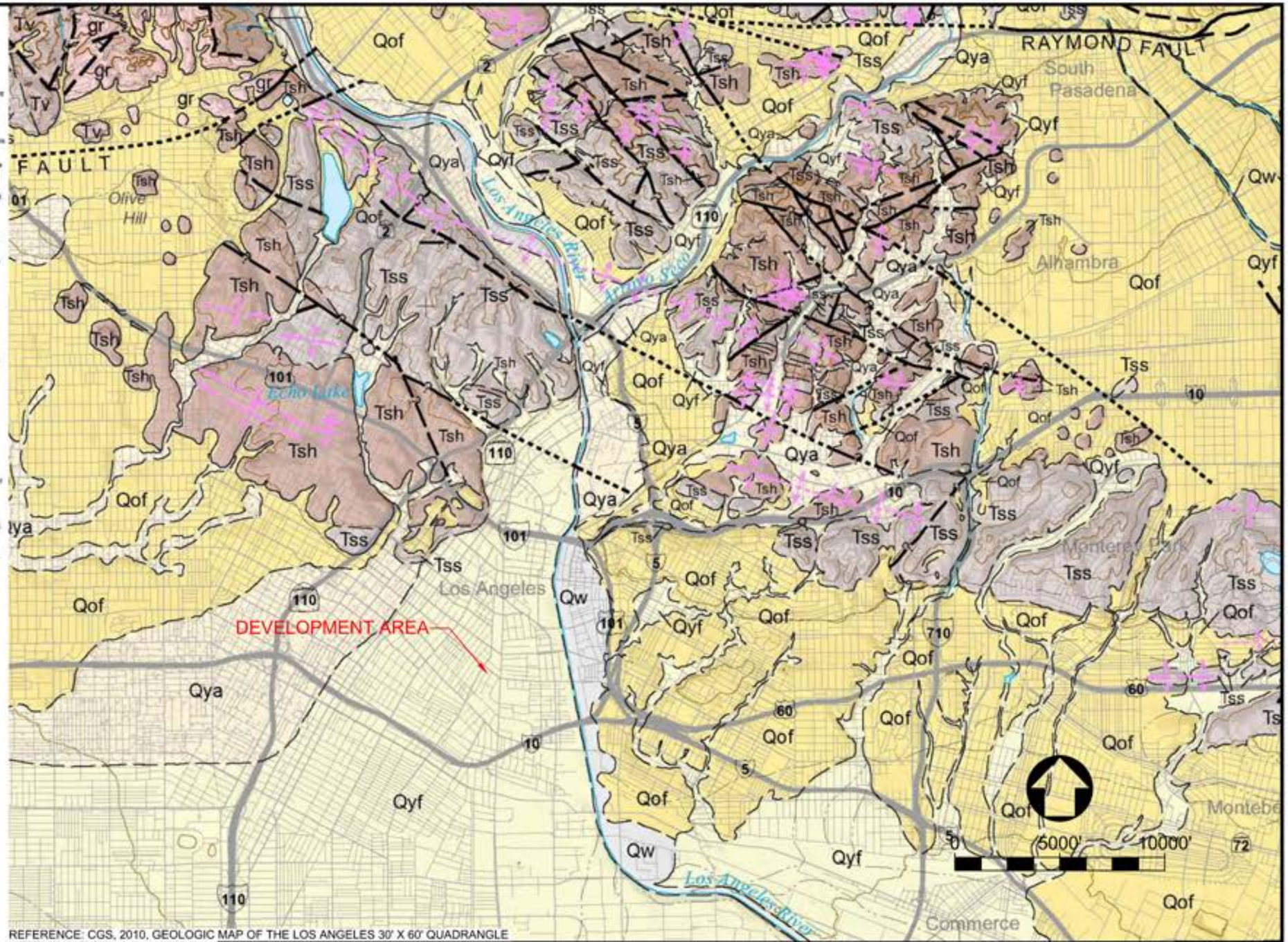
Kvh — **Fine-grained Cretaceous age formations of sedimentary origin**

pMzm — **Cretaceous and pre-Cretaceous metamorphic formations of sedimentary and volcanic origin**

sp — **Serpentinite of all ages**

gr — **Granitic and other intrusive crystalline rocks of all ages**

- Contact
- Gradational contact
- Reference contact – Used to delineate geologic units that were mapped as separate units on the original source map, but are consolidated on this map
- Fault – Includes strike-slip, normal, reverse, oblique, and unspecified slip
- Lineament
- Folds – Showing direction of plunge where appropriate
- Anticline
- Overturned anticline
- Syncline
- Dike
- Stream
- Spring
- Road



REFERENCE: CGS, 2010, GEOLOGIC MAP OF THE LOS ANGELES 30' X 60' QUADRANGLE

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USGS, EARTHQUAKE CATALOG, ACCESSED 07/13/2022 USGS & CGS, QUATERNARY FAULT AND FOLD DATABASE, ACCESSED 3/4/2020

DATE: 12/29/2022	DRAWN BY: JMT	GROUP DELTA	GROUP DELTA CONSULTANTS, INC 370 Amapola Ave. Suite 212 Torrance, CA. 90501	REGIONAL FAULT AND SEISMICITY MAP	PROJECT NUMBER: LA1598
REVIEWED BY: -	APPROVED BY: -			GEOTECHNICAL INVESTIGATION FOR ENTITLEMENT AND CONCEPTUAL DESIGN BOTANICAL VILLAGE AT ROW DTLA-NORTH AND SOUTH LOTS 767 S. ALAMEDA STREET, LOS ANGELES, CALIFORNIA	SCALE: AS SHOWN
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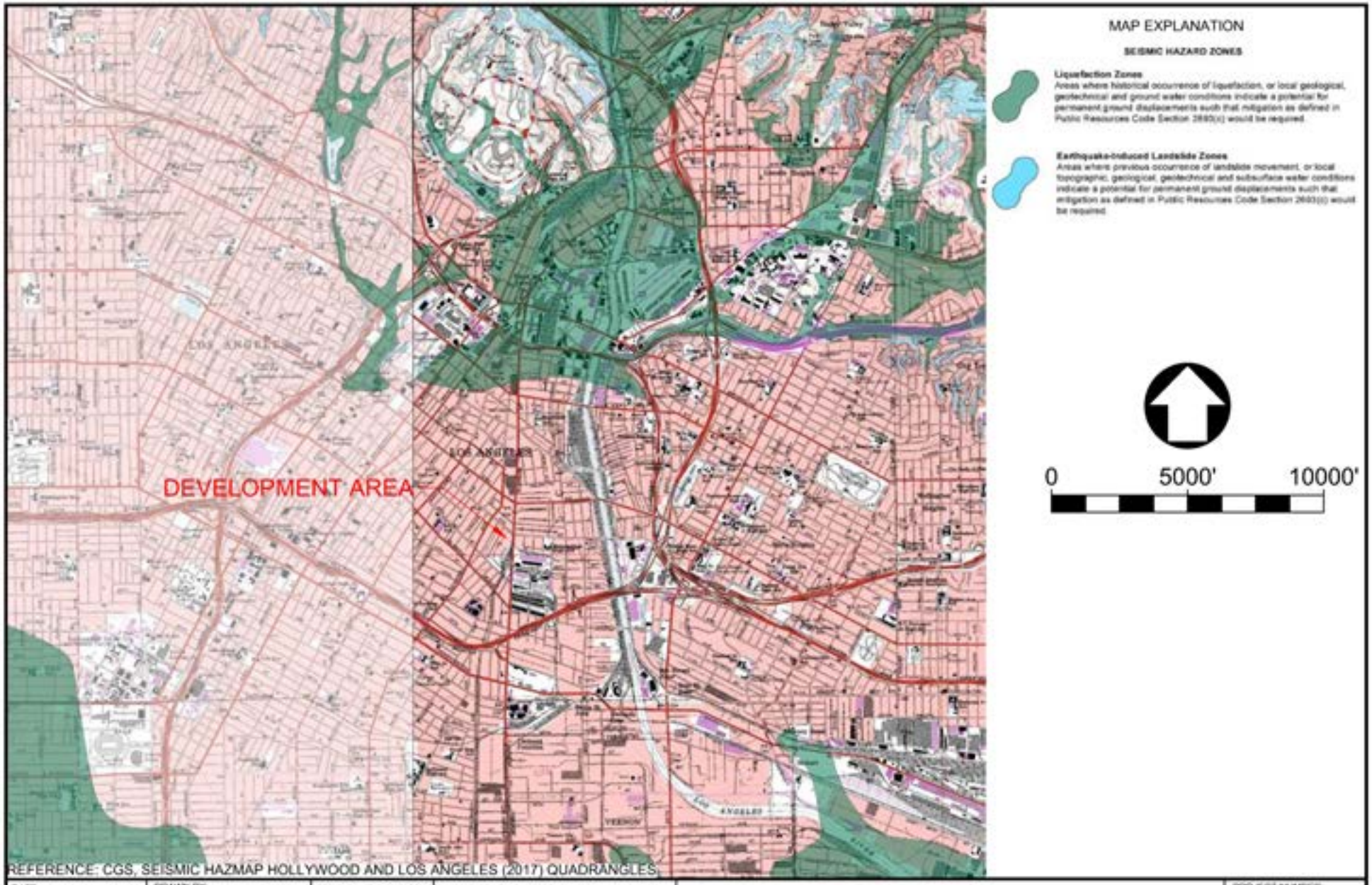

REFERENCE: CGS, SEISMIC HAZMAP HOLLYWOOD AND LOS ANGELES (2017) QUADRANGLES

DATE: 12/29/2022	DRAWN BY: JMT	GROUP DELTA	GROUP DELTA CONSULTANTS, INC 370 Amapola Ave. Suite 212 Torrance, CA. 90501	PROJECT NUMBER: LA1598
REVIEWED BY: -	APPROVED BY: -		EARTHQUAKE ZONES OF REQUIRED INVESTIGATION MAP	SCALE: AS SHOWN
PREPARED BY: -			GEOTECHNICAL INVESTIGATION FOR ENTITLEMENT AND CONCEPTUAL DESIGN BOTANICAL VILLAGE AT ROW DTLA-NORTH AND SOUTH LOTS 767 S. ALAMEDA STREET, LOS ANGELES, CALIFORNIA	FIGURE NUMBER: 6

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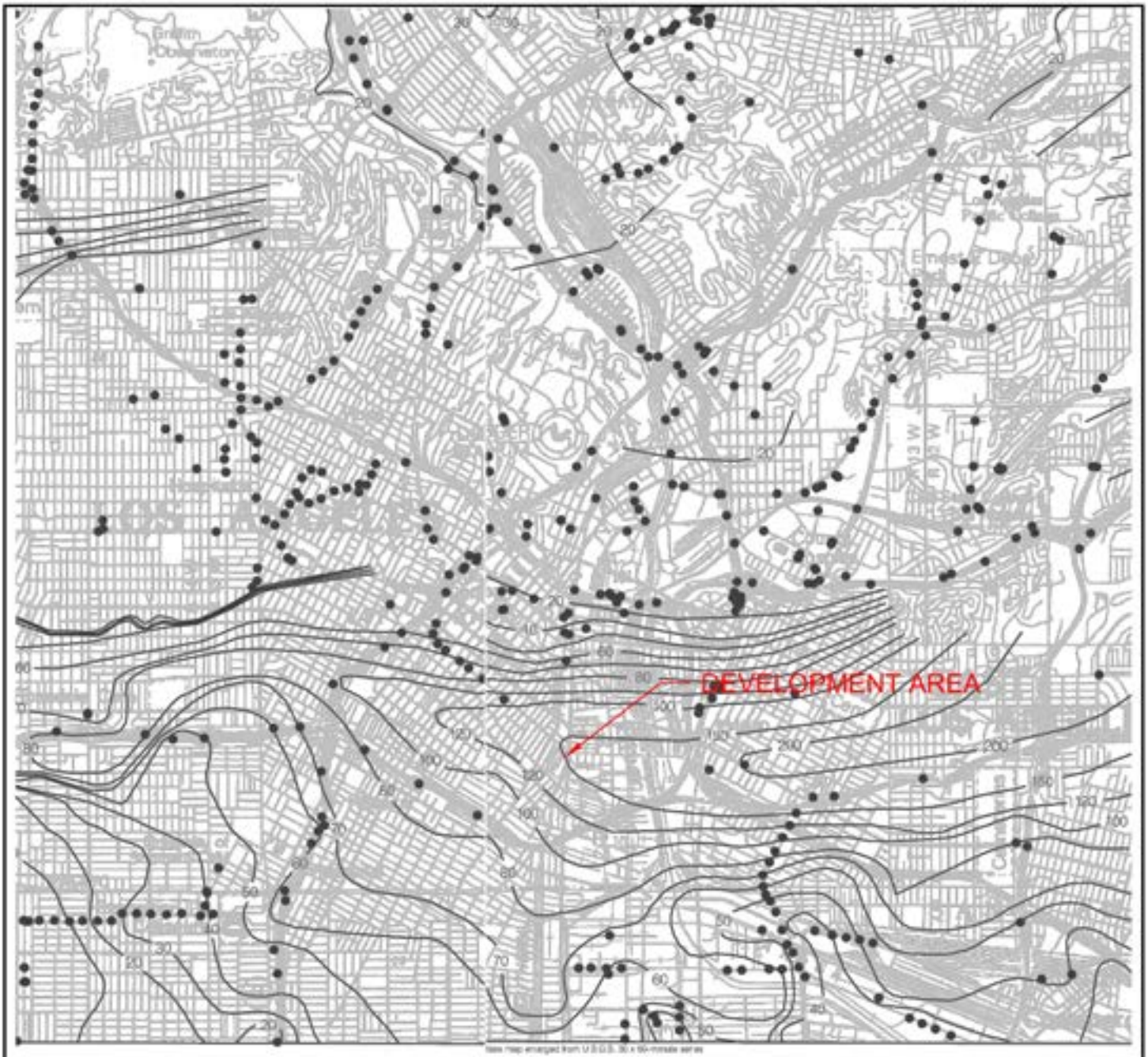

Plate 1.2 Historically Highest Ground Water Contours and Borehole Log Data Locations, Los Angeles Quadrangle.

● Borehole Site

30 Depth to ground water in feet

ONE MILE
SCALE

REFERENCE: CGS, 1998, SEISMIC HAZARD ZONE REPORT, PLATE 1.2 GROUND WATER, FOR HOLLYWOOD (SHZR 026) AND LOS ANGELES (SHZR 029) 7.5-MINUTE QUADRANGLE, LOS ANGELES, CALIFORNIA.

DATE: 12/29/2022	DRAWN BY: JMT	GROUP DELTA	GROUP DELTA CONSULTANTS, INC 370 Amapola Ave. Suite 212 Torrance, CA. 90501	HISTORICAL GROUND WATER MAP	PROJECT NUMBER: LA1598
REVIEWED BY: -	APPROVED BY: -			GEOTECHNICAL INVESTIGATION FOR ENTITLEMENT AND CONCEPTUAL DESIGN BOTANICAL VILLAGE AT ROW DTLA-NORTH AND SOUTH LOTS 767 S. ALAMEDA STREET, LOS ANGELES, CALIFORNIA	SCALE: AS SHOWN
PREPARED BY: -					FIGURE NUMBER: 7

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APPENDIX A
FIELD EXPLORATION

A.1 Introduction

Group Delta conducted subsurface explorations on January 4 and January 6, 2023, as part of a geotechnical investigation to aid in the design of the proposed ROW DTLA Residential Development in Los Angeles, California. The explorations consisted of seven (7) hollow-stem borings and eight (8) Cone Penetration Test (CPT) soundings. The exploration locations and identifications are shown in Figure 2 of the main report. A summary table of the field exploration program by Group Delta is provided in Table A-1.

Table A-1
Summary of Subsurface Explorations

Exploration No.	Date Performed	*Ground Surface Elevation (feet, MSL)	Total Depth (ft)	Groundwater Depth (ft)	Exploration Type
B-1	1/4/23	244	45	Not Encountered	Hollow-Stem Auger
B-2	1/6/23	245	30	Not Encountered	Hollow-Stem Auger
B-3	1/4/23	245	30	Not Encountered	Hollow-Stem Auger
B-4	1/6/23	245	50	Not Encountered	Hollow-Stem Auger
B-5	1/4/23	245	30	Not Encountered	Hollow-Stem Auger
B-6	1/6/23	245	30	Not Encountered	Hollow-Stem Auger
B-7	1/6/23	245	30	Not Encountered	Hollow-Stem Auger
CPT-1	1/4/23	245	32.5	Not Encountered	Cone Penetration Test
CPT-2	1/4/23	245	45	Not Encountered	Cone Penetration Test
CPT-3	1/4/23	245	35	Not Encountered	Cone Penetration Test
CPT-4	1/4/23	245	39	Not Encountered	Cone Penetration Test
CPT-5	1/4/23	245	38.4	Not Encountered	Cone Penetration Test
CPT-6	1/4/23	245	32.9	Not Encountered	Cone Penetration Test
CPT-7	1/4/23	244	20.6	Not Encountered	Cone Penetration Test
CPT-8	1/4/23	245	28.6	Not Encountered	Cone Penetration Test

*Approximate elevations via Google Earth

A.2 Soil Borings

Hollow-stem auger borings were advanced to depths of 30 to 50 feet below the ground surface positioned throughout the North and South Lots. The borings were drilled on January 4 and January 6, 2023, by ABC Liovin Drilling (Group Delta's subcontractor) by way of a CME-75 drill rig. The borings were performed under the supervision of a Group Delta field engineer, who

maintained detailed logs of the soils encountered in accordance with the Caltrans Soil and Rock Logging, Classification, and Presentation Manual (2010), classified the materials according to the Unified Soil Classification System (USCS), and obtained soil samples.

Driven (undisturbed) samples and bulk samples of the encountered materials were obtained from the borings and recorded on the boring logs. Driven samples were obtained with a Modified California Sampler lined with 1-inch-high brass rings. The Modified California sampler has an outside diameter of 3 inches, and a cutting shoe with an inside diameter of 2.42 inches. The samples were retained in brass rings and placed in sealed plastic canisters to prevent moisture loss. The Modified California samplers were driven into the soil at the bottom of the borehole using a 140-pound hammer free-falling 30 inches. The penetration resistance (or "blow count") in blows per six inches of driving was recorded on the logs. Bulk samples were obtained at various depth ranges and placed into polyethylene bags.

A key for soil classification and a boring record legend are presented in Figures A-1a to A-1b and A-2a to A-2c, respectively. The boring logs are presented in Figures A-3 to A-9.

A.3 Cone Penetration Tests

Kehoe Testing and Engineering performed the CPT soundings as a subcontractor to Group Delta. The CPTs were conducted in accordance with ASTM D5778 using an electronic piezocone penetrometer. The test consists of hydraulically pushing a conical pointed penetrometer with a cylindrical friction sleeve and a piezo-element located behind the conical point into subsurface soils at a slow, steady rate. Parameters electronically measured and recorded nearly continuously during the CPT are soil penetration resistance at the cone tip (qc), soil frictional resistance along the cylindrical friction sleeve (fs), and pore water pressure directly behind the cone tip (U). These measured values were used to estimate the type and engineering properties of the in-situ soils being penetrated using published correlations between qc, fs, and U.

At the completion of the soundings, the cave-in depths were measured with a weighted tape and the holes were abandoned by backfilling with grout. Paved surfaces were patched with either cold mix asphalt or rapid-set concrete. The CPT data in graphical form are presented in Figures A-10 to A-17

A.4 List of Attached Figures

The following figures are attached and complete this appendix:

Figures A-1a to A-1b Key for Soil Classification

Figures A-2a to A-2c Boring Record Legend

Figures A-3a to A-9b Boring Logs

Figures A-10 to A-17 CPT Plots

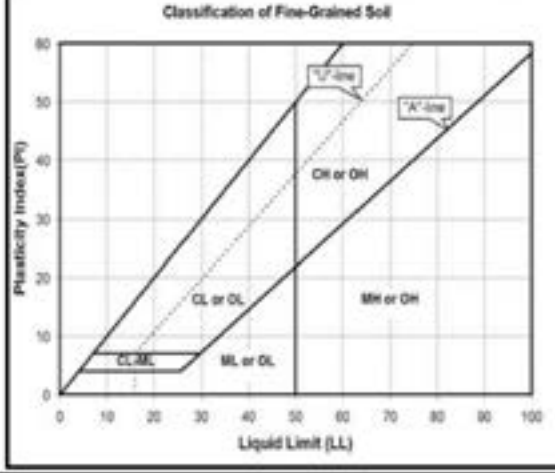
CLASSIFICATION OF INORGANIC FINE GRAINED SOILS (Soils with ≥50% finer than No. 200 Sieve)

GROUP SYMBOL				GROUP NAME
CL	<30% plus No. 200	<15% plus No. 200		Lean clay
		15-25% plus No. 200	%sand ≥%gravel	Lean clay with sand
			%sand <%gravel	Lean clay with gravel
	≥30% plus No. 200	% sand ≥ % gravel	<15% gravel	Sandy lean clay
			≥15% gravel	Sandy lean clay with gravel
		% sand < % gravel	<15% sand	Gravelly lean clay
			≥15% sand	Gravelly lean clay with sand
ML	<30% plus No. 200	<15% plus No. 200		Silt
		15-25% plus No. 200	%sand ≥%gravel	Silt with sand
			%sand <%gravel	Silt with gravel
	≥30% plus No. 200	% sand ≥ % gravel	<15% gravel	Sandy silt
			≥15% gravel	Sandy silt with gravel
		% sand < % gravel	<15% sand	Gravelly silt
			≥15% sand	Gravelly silt with sand
CH	<30% plus No. 200	<15% plus No. 200		Fat clay
		15-25% plus No. 200	%sand ≥%gravel	Fat clay with sand
			%sand <%gravel	Fat clay with gravel
	≥30% plus No. 200	% sand ≥ % gravel	<15% gravel	Sandy fat clay
			≥15% gravel	Sandy fat clay with gravel
		% sand < % gravel	<15% sand	Gravelly fat clay
			≥15% sand	Gravelly fat clay with sand
MH	<30% plus No. 200	<15% plus No. 200		Elastic silt
		15-25% plus No. 200	%sand ≥%gravel	Elastic silt with sand
			%sand <%gravel	Elastic silt with gravel
	≥30% plus No. 200	% sand ≥ % gravel	<15% gravel	Sandy elastic silt
			≥15% gravel	Sandy elastic silt with gravel
		% sand < % gravel	<15% sand	Gravelly elastic silt
			≥15% sand	Gravelly elastic silt with sand

Reference:
ASTM D 2487 and 2488

Laboratory Classification of Clay and Silt

REFERENCE: Caltrans Soil and Rock Logging, Classification, and Presentation Manual (2010).



CL: LL<50; above A-Line.

CH: LL≥50; above A-Line.

ML: LL<50; below A-Line, or PI<4, or Non-Plastic

MH: LL≥50; below A-Line.

CL-ML: above A-Line and PI=4 to 7

CL/CH, ML/MH: at or near LL=50

ML/CL, MH/CH: at or near the A-Line

Field Identification of Clays and Silts

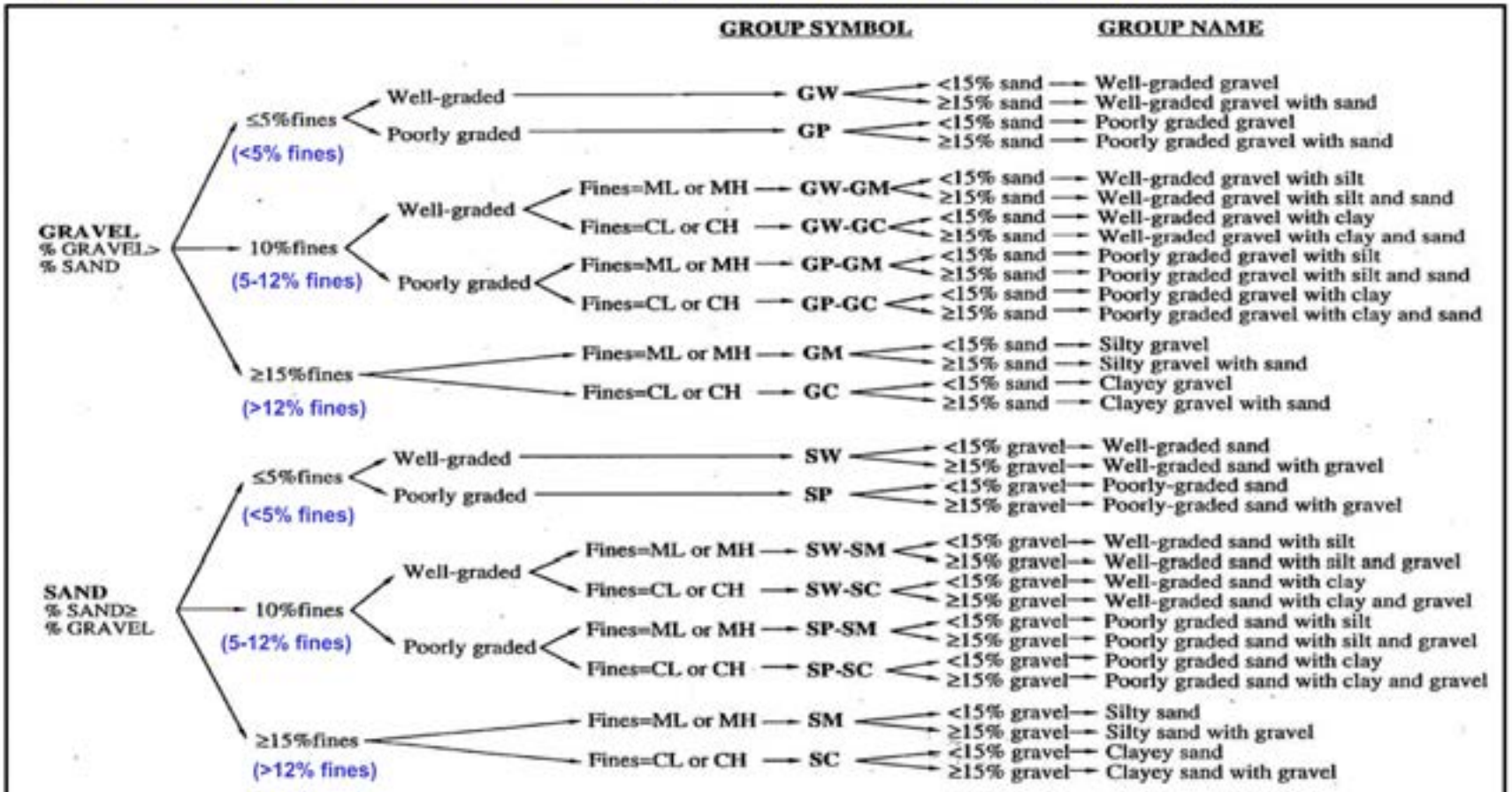
Group Symbol	Dry Strength	Dilatancy	Toughness	Plasticity
ML	None to low	Slow to rapid	Low or thread cannot be formed	Low to nonplastic
CL	Medium to high	None to slow	Medium	Medium
MH	Low to medium	None to slow	Low to medium	Low to medium
CH	High to very high	None	High	High

GROUP DELTA

Project No.: LA-1598

KEY FOR SOIL CLASSIFICATION #1
Figure A-1a

CLASSIFICATION OF COARSE-GRAINED SOILS (Soils with <50% "fines" passing No. 200 Sieve)



Reference:

ASTM D 2487 and 2488

Note: Values estimated to nearest 5% to be used for visual identification, values in parentheses to be used for classification when based on laboratory grain size data.

Granular Soil Gradation Parameters

Coefficient of Uniformity: $C_u = D_{60}/D_{10}$

Coefficient of Curvature: $Cc = D_{30}^2 / (D_{60} \times D_{10})$

D_{10} = 10% of soil is finer than this diameter

D_{30} = 30% of soil is finer than this diameter

D_{60} = 60% of soil is finer than this diameter

Group Symbol	Gradation or Plasticity Requirement
SW	$C_u > 6$ and $1 \leq C_c \leq 3$
GW	$C_u > 4$ and $1 \leq C_c \leq 3$
GP or SP	Clean gravel or sand not meeting requirement for SW or GW
SM or GM	Non-plastic fines or below A-Line or PI<4
SC or GC	Plastic fines or above A-Line and PI>7

GROUP DELTA

Project No.: LA-1598

KEY FOR SOIL CLASSIFICATION #2

Figure A-1b

SOIL IDENTIFICATION AND DESCRIPTION SEQUENCE

Sequence		Refer to Section		Required	Optional
		Field	Lab		
1	Group Name	2.5.2	3.2.2	●	
2	Group Symbol	2.5.2	3.2.2	●	
	Description Components				
3	Consistency of Cohesive Soil	2.5.3	3.2.3	●	
4	Apparent Density of Cohesionless Soil	2.5.4		●	
5	Color	2.5.5		●	
6	Moisture	2.5.6		●	
7	Percent or Proportion of Soil	2.5.7	3.2.4	●	◉
	Particle Size	2.5.8	2.5.8	●	◉
	Particle Angularity	2.5.9			○
	Particle Shape	2.5.10			○
8	Plasticity (for fine-grained soil)	2.5.11	3.2.5		○
9	Dry Strength (for fine-grained soil)	2.5.12			○
10	Dilatency (for fine-grained soil)	2.5.13			○
11	Toughness (for fine-grained soil)	2.5.14			○
12	Structure	2.5.15			○
13	Cementation	2.5.16		●	
14	Percent of Cobbles and Boulders	2.5.17		●	
	Description of Cobbles and Boulders	2.5.18		●	
15	Consistency Field Test Result	2.5.3		●	
16	Additional Comments	2.5.19			○

Describe the soil using descriptive terms in the order shown

Minimum Required Sequence:

USCS Group Name (Group Symbol); Consistency or Density; Color; Moisture; Percent or Proportion of Soil; Particle Size; Plasticity (optional).

◉ = optional for non-Caltrans projects

Where applicable:

Cementation; % cobbles & boulders;
Description of cobbles & boulders;
Consistency field test result

Ref.: Caltrans Soil and Rock Logging Classification, and Presentation Manual (2010)

HOLE IDENTIFICATION

Holes are identified using the following convention:

H-YY-NNN

Where:
H: Hole Type Code
YY: 2-digit year
NNN: 3-digit number (001-999)

Hole Type Code	Description
A	Auger boring (hollow or solid stem, bucket)
R	Rotary drilled boring (conventional)
RC	Rotary core (self-cased wire-line, continuously-sampled)
RW	Rotary core (self-cased wire-line, not continuously sampled)
P	Rotary percussion boring (Air)
HD	Hand driven (1-inch soil tube)
HA	Hand auger
D	Driven (dynamic cone penetrometer)
CPT	Cone Penetration Test
O	Other (note on LOTB)

Description Sequence Examples:

SANDY lean CLAY (CL); very stiff; yellowish brown; moist; mostly fines; some SAND, from fine to medium; few gravels; medium plasticity; PP=2.75.

Well-graded SAND with SILT and GRAVEL and COBBLES (SW-SM); dense; brown; moist; mostly SAND, from fine to coarse; some fine GRAVEL; few fines; weak cementation; 10% GRANITE COBBLES; 3 to 6 inches; hard; subrounded.

Clayey SAND (SC); medium dense, light brown; wet; mostly fine sand,; little fines; low plasticity.

GROUP DELTA

GROUP DELTA CONSULTANTS, INC.
GEOTECHNICAL ENGINEERS AND GEOLOGISTS

FIGURE NUMBER: A-2a

PROJECT NAME: Botanical Village - ROW DTLA

PROJECT NUMBER: LA1598

BORING RECORD LEGEND #1

GROUP SYMBOLS AND NAMES

Graphic / Symbol	Group Names
GW	Well-graded GRAVEL Well-graded GRAVEL with SAND
GP	Poorly graded GRAVEL Poorly graded GRAVEL with SAND
GW-GM	Well-graded GRAVEL with SILT Well-graded GRAVEL with SILT and SAND
GW-GC	Well-graded GRAVEL with CLAY (or SILTY CLAY) Well-graded GRAVEL with CLAY and SAND (or SILTY CLAY and SAND)
GP-GM	Poorly graded GRAVEL with SILT Poorly graded GRAVEL with SILT and SAND
GP-GC	Poorly graded GRAVEL with CLAY (or SILTY CLAY) Poorly graded GRAVEL with CLAY and SAND (or SILTY CLAY and SAND)
GM	SILTY GRAVEL SILTY GRAVEL with SAND
GC	CLAYEY GRAVEL CLAYEY GRAVEL with SAND
GC-GM	SILTY, CLAYEY GRAVEL SILTY, CLAYEY GRAVEL with SAND
SW	Well-graded SAND Well-graded SAND with GRAVEL
SP	Poorly graded SAND Poorly graded SAND with GRAVEL
SW-SM	Well-graded SAND with SILT Well-graded SAND with SILT and GRAVEL
SW-SC	Well-graded SAND with CLAY (or SILTY CLAY) Well-graded SAND with CLAY and GRAVEL (or SILTY CLAY and GRAVEL)
SP-SM	Poorly graded SAND with SILT Poorly graded SAND with SILT and GRAVEL
SP-SC	Poorly graded SAND with CLAY (or SILTY CLAY) Poorly graded SAND with CLAY and GRAVEL (or SILTY CLAY and GRAVEL)
SM	SILTY SAND SILTY SAND with GRAVEL
SC	CLAYEY SAND CLAYEY SAND with GRAVEL
SC-SM	SILTY, CLAYEY SAND SILTY, CLAYEY SAND with GRAVEL
PT	PEAT
	COBBLES COBBLES and BOULDERS BOULDERS

Graphic / Symbol	Group Names
CL	Lean CLAY Lean CLAY with SAND Lean CLAY with GRAVEL SANDY lean CLAY SANDY lean CLAY with GRAVEL GRAVELLY lean CLAY GRAVELLY lean CLAY with SAND
CL-ML	SILTY CLAY SILTY CLAY with SAND SILTY CLAY with GRAVEL SANDY SILTY CLAY SANDY SILTY CLAY with GRAVEL GRAVELLY SILTY CLAY GRAVELLY SILTY CLAY with SAND
ML	SILT SILT with SAND SILT with GRAVEL SANDY SILT SANDY SILT with GRAVEL GRAVELLY SILT GRAVELLY SILT with SAND
OL	ORGANIC lean CLAY ORGANIC lean CLAY with SAND ORGANIC lean CLAY with GRAVEL SANDY ORGANIC lean CLAY SANDY ORGANIC lean CLAY with GRAVEL GRAVELLY ORGANIC lean CLAY GRAVELLY ORGANIC lean CLAY with SAND
OL	ORGANIC SILT ORGANIC SILT with SAND ORGANIC SILT with GRAVEL SANDY ORGANIC SILT SANDY ORGANIC SILT with GRAVEL GRAVELLY ORGANIC SILT GRAVELLY ORGANIC SILT with SAND
CH	Fat CLAY Fat CLAY with SAND Fat CLAY with GRAVEL SANDY fat CLAY SANDY fat CLAY with GRAVEL GRAVELLY fat CLAY GRAVELLY fat CLAY with SAND
MH	Elastic SILT Elastic SILT with SAND Elastic SILT with GRAVEL SANDY elastic SILT SANDY elastic SILT with GRAVEL GRAVELLY elastic SILT GRAVELLY elastic SILT with SAND
OH	ORGANIC fat CLAY ORGANIC fat CLAY with SAND ORGANIC fat CLAY with GRAVEL SANDY ORGANIC fat CLAY SANDY ORGANIC fat CLAY with GRAVEL GRAVELLY ORGANIC fat CLAY GRAVELLY ORGANIC fat CLAY with SAND
OH	ORGANIC elastic SILT ORGANIC elastic SILT with SAND ORGANIC elastic SILT with GRAVEL SANDY elastic ELASTIC SILT SANDY ORGANIC elastic SILT with GRAVEL GRAVELLY ORGANIC elastic SILT GRAVELLY ORGANIC elastic SILT with SAND
OL/OH	ORGANIC SOIL ORGANIC SOIL with SAND ORGANIC SOIL with GRAVEL SANDY ORGANIC SOIL SANDY ORGANIC SOIL with GRAVEL GRAVELLY ORGANIC SOIL GRAVELLY ORGANIC SOIL with SAND

FIELD AND LABORATORY TESTS

C	Consolidation (ASTM D 2435-04)
CL	Collapse Potential (ASTM D 5333-03)
CP	Compaction Curve (CTM 216 - 06)
CR	Corrosion, Sulfates, Chlorides (CTM 643 - 99; CTM 417 - 06; CTM 422 - 06)
CU	Consolidated Undrained Triaxial (ASTM D 4767-02)
DS	Direct Shear (ASTM D 3080-04)
EI	Expansion Index (ASTM D 4829-03)
M	Moisture Content (ASTM D 2216-05)
OC	Organic Content (ASTM D 2974-07)
P	Permeability (CTM 220 - 05)
PA	Particle Size Analysis (ASTM D 422-63 [2002])
PI	Liquid Limit, Plastic Limit, Plasticity Index (AASHTO T 89-02, AASHTO T 90-00)
PL	Point Load Index (ASTM D 5731-05)
PM	Pressure Meter
PP	Pocket Penetrometer
R	R-Value (CTM 301 - 00)
SE	Sand Equivalent (CTM 217 - 99)
SG	Specific Gravity (AASHTO T 100-06)
SL	Shrinkage Limit (ASTM D 427-04)
SW	Swell Potential (ASTM D 4546-03)
TV	Pocket Torvane
UC	Unconfined Compression - Soil (ASTM D 2166-06) Unconfined Compression - Rock (ASTM D 2938-95)
UU	Unconsolidated Undrained Triaxial (ASTM D 2850-03)
UW	Unit Weight (ASTM D 4767-04)
VS	Vane Shear (AASHTO T 223-96 [2004])

SAMPLER GRAPHIC SYMBOLS

- Standard Penetration Test (SPT)
- Standard California Sampler
- Modified California Sampler
- Shelby Tube
- Piston Sampler
- NX Rock Core
- HQ Rock Core
- Bulk Sample
- Other (see remarks)

DRILLING METHOD SYMBOLS

- Auger Drilling
- Rotary Drilling
- Dynamic Cone or Hand Driven
- Diamond Core

WATER LEVEL SYMBOLS

- First Water Level Reading (during drilling)
- Static Water Level Reading (after drilling, date)

Ref.: Caltrans Soil and Rock Logging Classification, and Presentation Manual (2010)

DEFINITIONS FOR CHANGE IN MATERIAL

Term	Definition	Symbol
Material Change	Change in material is observed in the sample or core, and the location of change can be accurately measured.	———
Estimated Material Change	Change in material cannot be accurately located because either the change is gradational or because of limitations in the drilling/sampling methods used.	. . . . .
Soil/Rock Boundary	Material changes from soil characteristics to rock characteristics.	~~~~

GROUP DELTA

GROUP DELTA CONSULTANTS, INC.
GEOTECHNICAL ENGINEERS AND GEOLOGISTS

FIGURE NUMBER: A-2b

PROJECT NAME: Botanical Village - ROW DTLA

PROJECT NUMBER: LA1598

BORING RECORD LEGEND #2

CONSISTENCY OF COHESIVE SOILS

Descriptor	Shear Strength (tsf)	Pocket Penetrometer, PP Measurement (tsf)	Torvane, TV. Measurement (tsf)	Vane Shear, VS. Measurement (tsf)
Very Soft	< 0.12	< 0.25	< 0.12	< 0.12
Soft	0.12 - 0.25	0.25 - 0.50	0.12 - 0.25	0.12 - 0.25
Medium Stiff	0.25 - 0.50	0.50 - 1.0	0.25 - 0.50	0.25 - 0.50
Stiff	0.50 - 1.0	1.0 - 2.0	0.50 - 1.0	0.50 - 1.0
Very Stiff	1.0 - 2.0	2.0 - 4.0	1.0 - 2.0	1.0 - 2.0
Hard	> 2.0	> 4.0	> 2.0	> 2.0

APPARENT DENSITY OF COHESIONLESS SOILS

Descriptor	SPT N_{60} - Value (blows / foot)
Very Loose	0 - 5
Loose	5 - 10
Medium Dense	10 - 30
Dense	30 - 50
Very Dense	> 50

MOISTURE

Descriptor	Criteria
Dry	No discernable moisture
Moist	Moisture present, but no free water
Wet	Visible free water

PERCENT OR PROPORTION OF SOILS

Descriptor	Criteria
Trace	Particles are present but estimated to be less than 5%
Few	5 to 10%
Little	15 to 25%
Some	30 to 45%
Mostly	50 to 100%

PARTICLE SIZE

Descriptor		Size (in)
Boulder		> 12
Cobble		3 - 12
Gravel	Coarse	3/4 - 3
	Fine	1/5 - 3/4
Sand	Coarse	1/16 - 1/5
	Medium	1/64 - 1/16
	Fine	1/300 - 1/64
Silt and Clay		< 1/300

PLASTICITY OF FINE-GRAINED SOILS

Descriptor	Criteria
Nonplastic	A 1/8-inch thread cannot be rolled at any water content.
Low	The thread can barely be rolled, and the lump cannot be formed when drier than the plastic limit.
Medium	The thread is easy to roll, and not much time is required to reach the plastic limit; it cannot be rerolled after reaching the plastic limit. The lump crumbles when drier than the plastic limit.
High	It takes considerable time rolling and kneading to reach the plastic limit. The thread can be rerolled several times after reaching the plastic limit. The lump can be formed without crumbling when drier than the plastic limit.

CONSISTENCY OF COHESIVE SOILS VS. N_{60}

Description	SPT N_{60} (blows / foot)
Very Soft	0 - 2
Soft	2 - 4
Medium Stiff	4 - 8
Stiff	8 - 15
Very Stiff	15 - 30
Hard	> 30

Ref: Peck, Hansen, and Thornburn, 1974, "Foundation Engineering", Second Edition

Note: Only to be used (with caution) when pocket penetrometer or other data on undrained shear strength are unavailable. Not allowed by Caltrans Soil and Rock Logging and Classification Manual, 2010

CEMENTATION

Descriptor	Criteria
Weak	Crumbles or breaks with handling or little finger pressure.
Moderate	Crumbles or breaks with considerable finger pressure.
Strong	Will not crumble or break with finger pressure.

Ref.: Caltrans Soil and Rock Logging Classification, and Presentation Manual (2010), with the exception of consistency of cohesive soils vs. N_{60}.

GROUP DELTA

GROUP DELTA CONSULTANTS, INC.
GEOTECHNICAL ENGINEERS AND GEOLOGISTS

FIGURE NUMBER: A-2c

PROJECT NAME: Botanical Village - ROW DTLA

PROJECT NUMBER: LA1598

BORING RECORD LEGEND #3

BORING RECORD

PROJECT NAME	PROJECT NUMBER	HOLE ID
Botanical Village - ROW DTLA	LA1598	B-1

SITE LOCATION	START	FINISH	SHEET NO.
767 S. Alameda St, Los Angeles, CA	1/4/2023	1/4/2023	1 of 2

DRILLING COMPANY	DRILL RIG	DRILLING METHOD	LOGGED BY	CHECKED BY
ABC Liovin	CME-75	Hollow-Stem Auger	E. Babayan	E. Tsai

HAMMER TYPE (WEIGHT/DROP)	HAMMER EFFICIENCY (ERI)	BORING DIA. (in)	TOTAL DEPTH (ft)	GROUND ELEV (ft)	DEPTH/ELEV. GW (ft)
Automatic Trip: 140lb / 30in	85.6%	8	45		▽ N/A / *na* DURING DRILLING

DRIVE SAMPLER TYPE(S) & SIZE (ID)	NOTES	
Bulk, MC (2.4"), SPT (1.4")	N_{60}* = 1.42N_{SPT} = 0.96N_{MC}	▼ N/A / *na* AFTER DRILLING

DEPTH (feet)	ELEVATION (feet)	SAMPLE TYPE	SAMPLE NO.	PENETRATION RESISTANCE (BLOWS / 6 IN)	BLOWS/FT "N"	MOISTURE (%)	DRY DENSITY (PCF)	PASSING #200 (%)	ATTERBERG LIMITS (LL,PL,PI)	POCKET PEN (tsf)	OTHER TESTS	DRILLING METHOD	GRAPHIC LOG	DESCRIPTION AND CLASSIFICATION
			B-1											3" of Asphalt Pavement FILL Silty SAND (SM), brown, moist, mostly fine sand, little silt, few gravel, few roots, few debris fragments (brick)
5			R-1	4 4 6	10	8.3	102.0				DS			NATIVE Silty SAND (SM), loose, brown, moist, mostly fine sand, some silt, trace gravel - coloration transitions to a yellowish brown
10			B-2											
			R-3	4 5 11	16	24.6	90.5							-becomes (medium dense), coloration shows some mottling, becoming more granular, less fines
15			R-4	38 50/5"	50/5"	7.8	97.1							Poorly graded SAND with silt (SP-SM), very dense, light brown, slightly moist, mostly fine to medium sand, few silt, trace gravel
20														- increase in gravel - thin seam of silt
			S-1	9 14 18	32			8.3			PA			

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370 Amapola Ave., Suite 212
Torrance, CA 90501

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FIGURE
A-3a

BORING RECORD

PROJECT NAME	PROJECT NUMBER	HOLE ID
Botanical Village - ROW DTLA	LA1598	B-1

SITE LOCATION	START	FINISH	SHEET NO.
767 S. Alameda St, Los Angeles, CA	1/4/2023	1/4/2023	2 of 2

DRILLING COMPANY	DRILL RIG	DRILLING METHOD	LOGGED BY	CHECKED BY
ABC Liovin	CME-75	Hollow-Stem Auger	E. Babayan	E. Tsai

HAMMER TYPE (WEIGHT/DROP)	HAMMER EFFICIENCY (ERI)	BORING DIA. (in)	TOTAL DEPTH (ft)	GROUND ELEV (ft)	DEPTH/ELEV. GW (ft)
Automatic Trip: 140lb / 30in	85.6%	8	45		▽ N/A / *na* DURING DRILLING

DRIVE SAMPLER TYPE(S) & SIZE (ID)	NOTES	
Bulk, MC (2.4"), SPT (1.4")	N_{60}* = 1.42N_{SPT} = 0.96N_{MC}	▼ N/A / *na* AFTER DRILLING

DEPTH (feet)	ELEVATION (feet)	SAMPLE TYPE	SAMPLE NO.	PENETRATION RESISTANCE (BLOWS / 6 IN)	BLOWS/FT "N"	MOISTURE (%)	DRY DENSITY (PCF)	PASSING #200 (%)	ATTERBERG LIMITS (LL,PL,PI)	POCKET PEN (tsf)	OTHER TESTS	DRILLING METHOD	GRAPHIC LOG	DESCRIPTION AND CLASSIFICATION
														Well graded SAND (SW), dense, light gray, dry, mostly fine to medium sand with few coarse sand, few gravel
30			S-2	17 20 22	42	3.4								Poorly Graded SAND (SP), dense, light brown, dry, mostly fine sand with few coarse sand grains, trace silt
35			S-3	12 30 33	63	3.0								- increase in fine gravel
40			S-4	15 11 19	30	14.5								- pockets of fines, still predominantly granular - more difficult to auger through, increase in gravel
														Well Graded SAND (SW), very dense, light gray to light brown, dry, mostly fine to coarse sand, little gravel
45			S-5	21 50/5"	50/5"	2.2								Total Depth: 45 feet bgs Groundwater not encountered Boring backfilled with cement bentonite grout

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FIGURE
A-3b

BORING RECORD

PROJECT NAME	PROJECT NUMBER	HOLE ID
Botanical Village - ROW DTLA	LA1598	B-2

SITE LOCATION	START	FINISH	SHEET NO.
767 S. Alameda St, Los Angeles, CA	1/6/2023	1/6/2023	1 of 2

DRILLING COMPANY	DRILL RIG	DRILLING METHOD	LOGGED BY	CHECKED BY
ABC Liovin	CME-75	Hollow-Stem Auger	E. Babayan	E. Tsai

HAMMER TYPE (WEIGHT/DROP)	HAMMER EFFICIENCY (ERI)	BORING DIA. (in)	TOTAL DEPTH (ft)	GROUND ELEV (ft)	DEPTH/ELEV. GW (ft)
Automatic Trip: 140lb / 30in	85.6%	8	30		▽ N/A / *na* DURING DRILLING

DRIVE SAMPLER TYPE(S) & SIZE (ID)	NOTES	
Bulk, MC (2.4"), SPT (1.4")	N_{60}* = 1.42N_{SPT} = 0.96N_{MC}	▼ N/A / *na* AFTER DRILLING

DEPTH (feet)	ELEVATION (feet)	SAMPLE TYPE	SAMPLE NO.	PENETRATION RESISTANCE (BLOWS / 6 IN)	BLOWS/FT "N"	MOISTURE (%)	DRY DENSITY (PCF)	PASSING #200 (%)	ATTERBERG LIMITS (LL,PL,PI)	POCKET PEN (tsf)	OTHER TESTS	DRILLING METHOD	GRAPHIC LOG	DESCRIPTION AND CLASSIFICATION
														4" of Asphalt Pavement
			B-1								EI CR			FILL Sandy Lean CLAY (CL), dark brown, moist, mostly fines, some fine sand, few gravel and debris fragments (brick)
														Silty SAND (SM), brown, moist, mostly fine sand, some silt, easier to hand auger through
5			R-1	2 3 5	8	9.4	99.7							
			R-2	4 3 7	10	6.8	106.0							NATIVE Silty SAND (SM), loose, brown, moist, mostly fine sand, some silt, little clay - more granular, less fines
10			R-3	7 15 26	41	2.9	113.9							
														Poorly graded SAND (SP), dense, pale brown, dry, mostly fine to medium sand with few coarse sand, few gravel
			R-4	19 21 17	38	3.7	107.0							
15														- increase in gravel, trace cobble
20														- trace amount of fines
			S-1	8 10 19	29	6.4								

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FIGURE
A-4a

BORING RECORD

PROJECT NAME	PROJECT NUMBER	HOLE ID
Botanical Village - ROW DTLA	LA1598	B-2

SITE LOCATION	START	FINISH	SHEET NO.
767 S. Alameda St, Los Angeles, CA	1/6/2023	1/6/2023	2 of 2

DRILLING COMPANY	DRILL RIG	DRILLING METHOD	LOGGED BY	CHECKED BY
ABC Liovin	CME-75	Hollow-Stem Auger	E. Babayan	E. Tsai

HAMMER TYPE (WEIGHT/DROP)	HAMMER EFFICIENCY (ERI)	BORING DIA. (in)	TOTAL DEPTH (ft)	GROUND ELEV (ft)	DEPTH/ELEV. GW (ft)
Automatic Trip: 140lb / 30in	85.6%	8	30		▽ N/A / *na* DURING DRILLING

DRIVE SAMPLER TYPE(S) & SIZE (ID)	NOTES	
Bulk, MC (2.4"), SPT (1.4")	N_{60}* = 1.42N_{SPT} = 0.96N_{MC}	▼ N/A / *na* AFTER DRILLING

DEPTH (feet)	ELEVATION (feet)	SAMPLE TYPE	SAMPLE NO.	PENETRATION RESISTANCE (BLOWS / 6 IN)	BLOWS/FT "N"	MOISTURE (%)	DRY DENSITY (PCF)	PASSING #200 (%)	ATTERBERG LIMITS (LL,PL,PI)	POCKET PEN (tsf)	OTHER TESTS	DRILLING METHOD	GRAPHIC LOG	DESCRIPTION AND CLASSIFICATION
														Silty SAND (SM), medium dense, brown with mottling, dry, mostly fine sand, some silt, trace gravel
														Poorly to Well Graded SAND (SW), dense, brown to light gray, dry, mostly fine to coarse sand, little gravel, trace fines
30			S-2	19 14 21	35	2.9								Total Depth: 30 feet bgs Groundwater not encountered Boring backfilled with cement bentonite grout
35														
40														
45														

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FIGURE

A-4b

BORING RECORD

PROJECT NAME	PROJECT NUMBER	HOLE ID
Botanical Village - ROW DTLA	LA1598	B-3

SITE LOCATION	START	FINISH	SHEET NO.
767 S. Alameda St, Los Angeles, CA	1/4/2023	1/4/2023	1 of 2

DRILLING COMPANY	DRILL RIG	DRILLING METHOD	LOGGED BY	CHECKED BY
ABC Liovin	CME-75	Hollow-Stem Auger	E. Babayan	E. Tsai

HAMMER TYPE (WEIGHT/DROP)	HAMMER EFFICIENCY (ERI)	BORING DIA. (in)	TOTAL DEPTH (ft)	GROUND ELEV (ft)	DEPTH/ELEV. GW (ft)
Automatic Trip: 140lb / 30in	85.6%	8	30		▽ N/A / *na* DURING DRILLING

DRIVE SAMPLER TYPE(S) & SIZE (ID)	NOTES	
Bulk, MC (2.4"), SPT (1.4")	N_{60}* = 1.42N_{SPT} = 0.96N_{MC}	▼ N/A / *na* AFTER DRILLING

DEPTH (feet)	ELEVATION (feet)	SAMPLE TYPE	SAMPLE NO.	PENETRATION RESISTANCE (BLOWS / 6 IN)	BLOWS/FT "N"	MOISTURE (%)	DRY DENSITY (PCF)	PASSING #200 (%)	ATTERBERG LIMITS (LL,PL,PI)	POCKET PEN (tsf)	OTHER TESTS	DRILLING METHOD	GRAPHIC LOG	DESCRIPTION AND CLASSIFICATION
			B-1								R			4" of Asphalt Pavement FILL Silty SAND (SM), brown, moist, mostly fine sand, some silt, little gravel (up to 3"), few debris fragments (brick)
5			R-2	6 8 9	17	4.9	101.3				DS			NATIVE Silty SAND (SM), yellowish brown, slightly moist, mostly fine to medium sand, some silt, easy to hand auger through
10			B-2											Poorly graded SAND (SP), medium dense, very light brown, dry, mostly fine to medium sand with few coarse sand, trace silt
			R-4	16 27 32	59	3.1	120.3							
			R-5	14 50/4"	50/4"	4.7	119.9							Well graded SAND with Silt (SW-SM), dense, light brown, dry, mostly fine to coarse sand, few fine gravel
15														- increase in gravel
20			S-1	14 17 26	43			7.5			PA			

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FIGURE
A-5a

BORING RECORD

PROJECT NAME	PROJECT NUMBER	HOLE ID
Botanical Village - ROW DTLA	LA1598	B-3

SITE LOCATION	START	FINISH	SHEET NO.
767 S. Alameda St, Los Angeles, CA	1/4/2023	1/4/2023	2 of 2

DRILLING COMPANY	DRILL RIG	DRILLING METHOD	LOGGED BY	CHECKED BY
ABC Liovin	CME-75	Hollow-Stem Auger	E. Babayan	E. Tsai

HAMMER TYPE (WEIGHT/DROP)	HAMMER EFFICIENCY (ERI)	BORING DIA. (in)	TOTAL DEPTH (ft)	GROUND ELEV (ft)	DEPTH/ELEV. GW (ft)
Automatic Trip: 140lb / 30in	85.6%	8	30		▽ N/A / *na* DURING DRILLING

DRIVE SAMPLER TYPE(S) & SIZE (ID)	NOTES	
Bulk, MC (2.4"), SPT (1.4")	N_{60}* = 1.42N_{SPT} = 0.96N_{MC}	▼ N/A / *na* AFTER DRILLING

DEPTH (feet)	ELEVATION (feet)	SAMPLE TYPE	SAMPLE NO.	PENETRATION RESISTANCE (BLOWS / 6 IN)	BLOWS/FT "N"	MOISTURE (%)	DRY DENSITY (PCF)	PASSING #200 (%)	ATTERBERG LIMITS (LL,PL,PI)	POCKET PEN (tsf)	OTHER TESTS	DRILLING METHOD	GRAPHIC LOG	DESCRIPTION AND CLASSIFICATION
30		X	S-2	11 21 25	46	2.9								- soil continues to be dense, grains primarily consist of fine to medium sand - trace amount of fines (silt) - increased coarse sand grains
														Total Depth: 30 feet bgs Groundwater not encountered Boring backfilled with cement bentonite grout
35														
40														
45														

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FIGURE
A-5b

BORING RECORD

PROJECT NAME	PROJECT NUMBER	HOLE ID
Botanical Village - ROW DTLA	LA1598	B-4

SITE LOCATION	START	FINISH	SHEET NO.
767 S. Alameda St, Los Angeles, CA	1/6/2023	1/6/2023	1 of 2

DRILLING COMPANY	DRILL RIG	DRILLING METHOD	LOGGED BY	CHECKED BY
ABC Liovin	CME-75	Hollow-Stem Auger	E. Babayan	E. Tsai

HAMMER TYPE (WEIGHT/DROP)	HAMMER EFFICIENCY (ERI)	BORING DIA. (in)	TOTAL DEPTH (ft)	GROUND ELEV (ft)	DEPTH/ELEV. GW (ft)
Automatic Trip: 140lb / 30in	85.6%	8	50		▽ N/A / *na* DURING DRILLING

DRIVE SAMPLER TYPE(S) & SIZE (ID)	NOTES	
Bulk, MC (2.4"), SPT (1.4")	N_{60}* = 1.42N_{SPT} = 0.96N_{MC}	▼ N/A / *na* AFTER DRILLING

DEPTH (feet)	ELEVATION (feet)	SAMPLE TYPE	SAMPLE NO.	PENETRATION RESISTANCE (BLOWS / 6 IN)	BLOWS/FT "N"	MOISTURE (%)	DRY DENSITY (PCF)	PASSING #200 (%)	ATTERBERG LIMITS (LL,PL,PI)	POCKET PEN (tsf)	OTHER TESTS	DRILLING METHOD	GRAPHIC LOG	DESCRIPTION AND CLASSIFICATION
0			B-1											4" of Asphalt Pavement FILL Silty SAND (SM), brown, slightly moist, mostly fine sand with few medium and coarse sand grains, some silt, little gravel, few debris fragments (brick)
														Poorly graded Sand, light brown, slightly moist, mostly fine to medium sand, trace fines
			R-1	5 5 6	11	4.6	99.5				DS			NATIVE Poorly graded SAND (SP), loose, light brown, slightly moist, mostly fine to medium sand, trace silt
5			R-2	6 10 15	25									- medium dense, dry, fine to coarse sand, few fine gravel
10			R-3	9 12 22	34	4.0	104.8							Well Graded SAND (SW), medium dense, light brown, dry, fine to coarse sand, few fine gravel
			R-4	18 28 35	63	3.3	111.5							- increase in coarse sand and gravel
15														
20			S-1	13 11 27	38	6.8								- primarily fine to medium sand, trace amount of fines (silt)

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FIGURE
A-6a

BORING RECORD

PROJECT NAME	PROJECT NUMBER	HOLE ID
Botanical Village - ROW DTLA	LA1598	B-4

SITE LOCATION	START	FINISH	SHEET NO.
767 S. Alameda St, Los Angeles, CA	1/6/2023	1/6/2023	2 of 2

DRILLING COMPANY	DRILL RIG	DRILLING METHOD	LOGGED BY	CHECKED BY
ABC Liovin	CME-75	Hollow-Stem Auger	E. Babayan	E. Tsai

HAMMER TYPE (WEIGHT/DROP)	HAMMER EFFICIENCY (ERI)	BORING DIA. (in)	TOTAL DEPTH (ft)	GROUND ELEV (ft)	DEPTH/ELEV. GW (ft)
Automatic Trip: 140lb / 30in	85.6%	8	50		▽ N/A / *na* DURING DRILLING

DRIVE SAMPLER TYPE(S) & SIZE (ID)	NOTES	
Bulk, MC (2.4"), SPT (1.4")	N_{60}* = 1.42N_{SPT} = 0.96N_{MC}	▼ N/A / *na* AFTER DRILLING

DEPTH (feet)	ELEVATION (feet)	SAMPLE TYPE	SAMPLE NO.	PENETRATION RESISTANCE (BLOWS / 6 IN)	BLOWS/FT "N"	MOISTURE (%)	DRY DENSITY (PCF)	PASSING #200 (%)	ATTERBERG LIMITS (LL,PL,PI)	POCKET PEN (tsf)	OTHER TESTS	DRILLING METHOD	GRAPHIC LOG	DESCRIPTION AND CLASSIFICATION
														Poorly graded SAND, dense, light brown with mottling, dry, mostly fine to medium sand, thin lense of silty clay, few fine gravel
30			S-2	19 24 23	47	3.0								- fine to coarse sand, increase in gravel
35			S-3	24 27 35	62	2.2								- very dense, fine to coarse sand with few gravel
40			S-4	22 45 35	80	1.6								- more difficult to auger through - few fines (silt)
45			S-5	19 37 50	87	2.0								
			S-6	17 25 26	51	1.8								Total Depth: 50 feet bgs Groundwater not encountered Boring backfilled with cement bentonite grout

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FIGURE
A-6b

BORING RECORD

PROJECT NAME	PROJECT NUMBER	HOLE ID
Botanical Village - ROW DTLA	LA1598	B-5

SITE LOCATION	START	FINISH	SHEET NO.
767 S. Alameda St, Los Angeles, CA	1/4/2023	1/4/2023	1 of 2

DRILLING COMPANY	DRILL RIG	DRILLING METHOD	LOGGED BY	CHECKED BY
ABC Liovin	CME-75	Hollow-Stem Auger	E. Babayan	E. Tsai

HAMMER TYPE (WEIGHT/DROP)	HAMMER EFFICIENCY (ERI)	BORING DIA. (in)	TOTAL DEPTH (ft)	GROUND ELEV (ft)	DEPTH/ELEV. GW (ft)
Automatic Trip: 140lb / 30in	85.6%	8	30		▽ N/A / *na* DURING DRILLING

DRIVE SAMPLER TYPE(S) & SIZE (ID)	NOTES	
Bulk, MC (2.4"), SPT (1.4")	N_{60}* = 1.42N_{SPT} = 0.96N_{MC}	▼ N/A / *na* AFTER DRILLING

DEPTH (feet)	ELEVATION (feet)	SAMPLE TYPE	SAMPLE NO.	PENETRATION RESISTANCE (BLOWS / 6 IN)	BLOWS/FT "N"	MOISTURE (%)	DRY DENSITY (PCF)	PASSING #200 (%)	ATTERBERG LIMITS (LL,PL,PI)	POCKET PEN (tsf)	OTHER TESTS	DRILLING METHOD	GRAPHIC LOG	DESCRIPTION AND CLASSIFICATION
														4" of Asphalt Pavement
			B-1								CP			FILL Silty SAND with gravel (SM), brown, moist, mostly fine sand, some silt, some gravel (up to 3"), few debris fragments (brick)
														NATIVE Silty SAND (SM), brown, slightly moist, mostly fine to medium sand, little silt, trace fine gravel
5			R-2	7 9 14	23	7.4	103.8							- medium dense, grains consist primarily of fine sand, some mottling in coloration
10			B-2											
			R-4	12 17 16	33	4.4	108.2							Poorly graded SAND (SP), medium dense, light brown, dry, mostly fine to medium sand with few coarse sand, trace silt and fine gravel
15			R-5	13 26 32	58	5.5	104.8							- increased density (greater penetration resistance)
20			S-1	9 14 21	35	4.0								

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FIGURE
A-7a

BORING RECORD

PROJECT NAME	PROJECT NUMBER	HOLE ID
Botanical Village - ROW DTLA	LA1598	B-5

SITE LOCATION	START	FINISH	SHEET NO.
767 S. Alameda St, Los Angeles, CA	1/4/2023	1/4/2023	2 of 2

DRILLING COMPANY	DRILL RIG	DRILLING METHOD	LOGGED BY	CHECKED BY
ABC Liovin	CME-75	Hollow-Stem Auger	E. Babayan	E. Tsai

HAMMER TYPE (WEIGHT/DROP)	HAMMER EFFICIENCY (ERI)	BORING DIA. (in)	TOTAL DEPTH (ft)	GROUND ELEV (ft)	DEPTH/ELEV. GW (ft)
Automatic Trip: 140lb / 30in	85.6%	8	30		▽ N/A / *na* DURING DRILLING

DRIVE SAMPLER TYPE(S) & SIZE (ID)	NOTES	
Bulk, MC (2.4"), SPT (1.4")	N_{60}* = 1.42N_{SPT} = 0.96N_{MC}	▼ N/A / *na* AFTER DRILLING

DEPTH (feet)	ELEVATION (feet)	SAMPLE TYPE	SAMPLE NO.	PENETRATION RESISTANCE (BLOWS / 6 IN)	BLOWS/FT "N"	MOISTURE (%)	DRY DENSITY (PCF)	PASSING #200 (%)	ATTERBERG LIMITS (LL,PL,PI)	POCKET PEN (tsf)	OTHER TESTS	DRILLING METHOD	GRAPHIC LOG	DESCRIPTION AND CLASSIFICATION
														- soil remains primarily granuair consisting of fine sand with trace fine gravel
														- very dense, increase in coarse sand grains and gravel
30		X	S-2	19 35 38	73	3.3								Total Depth: 30 feet bgs Groundwater not encountered Boring backfilled with cement bentonite grout
35														
40														
45														

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FIGURE
A-7b

BORING RECORD

PROJECT NAME	PROJECT NUMBER	HOLE ID
Botanical Village - ROW DTLA	LA1598	B-6

SITE LOCATION	START	FINISH	SHEET NO.
767 S. Alameda St, Los Angeles, CA	1/6/2023	1/6/2023	1 of 2

DRILLING COMPANY	DRILL RIG	DRILLING METHOD	LOGGED BY	CHECKED BY
ABC Liovin	CME-75	Hollow-Stem Auger	E. Babayan	E. Tsai

HAMMER TYPE (WEIGHT/DROP)	HAMMER EFFICIENCY (ERI)	BORING DIA. (in)	TOTAL DEPTH (ft)	GROUND ELEV (ft)	DEPTH/ELEV. GW (ft)
Automatic Trip: 140lb / 30in	85.6%	8	30		▽ N/A / *na* DURING DRILLING

DRIVE SAMPLER TYPE(S) & SIZE (ID)	NOTES	
Bulk, MC (2.4"), SPT (1.4")	N_{60}* = 1.42N_{SPT} = 0.96N_{MC}	▼ N/A / *na* AFTER DRILLING

DEPTH (feet)	ELEVATION (feet)	SAMPLE TYPE	SAMPLE NO.	PENETRATION RESISTANCE (BLOWS / 6 IN)	BLOWS/FT "N"	MOISTURE (%)	DRY DENSITY (PCF)	PASSING #200 (%)	ATTERBERG LIMITS (LL,PL,PI)	POCKET PEN (tsf)	OTHER TESTS	DRILLING METHOD	GRAPHIC LOG	DESCRIPTION AND CLASSIFICATION
														3.5" of Concrete
														FILL Sandy SILT (ML), brown, moist, mostly fines, some fine sand, little clay, few debris fragments (brick)
			B-1								CR			Poorly graded SAND (SP), brown, slightly moist, fine to medium sand, few fines
														NATIVE Poorly graded SAND (SP), medium dense, light brown, slightly moist, mostly fine to medium sand, trace fines
			R-1	5 6 9	15									
5														
			R-2	4 7 11	18	4.3	98.7				DS			
10														
			R-3	12 14 20	34									
														- light gray, dry, fine to coarse sand, few fine gravel
			R-4	10 16 29	45									
15														- dense
20														- coloration changes to light brown, few fines
														- more difficult to auger through
			S-1	11 19 31	50			4.4			PA			

GDC_LOG_BORING_2011_LA1598.GPJ GDCLOG.GDT 2/9/23

GROUP DELTA CONSULTANTS, INC.
370 Amapola Ave., Suite 212
Torrance, CA 90501

THIS SUMMARY APPLIES ONLY AT THE LOCATION OF THIS BORING AND AT THE TIME OF DRILLING. SUBSURFACE CONDITIONS MAY DIFFER AT OTHER LOCATIONS AND MAY CHANGE AT THIS LOCATION WITH THE PASSAGE OF TIME. THE DATA PRESENTED IS A SIMPLIFICATION OF THE ACTUAL CONDITIONS ENCOUNTERED.

FIGURE
A-8a

BORING RECORD

PROJECT NAME	PROJECT NUMBER	HOLE ID
Botanical Village - ROW DTLA	LA1598	B-6

SITE LOCATION	START	FINISH	SHEET NO.
767 S. Alameda St, Los Angeles, CA	1/6/2023	1/6/2023	2 of 2

DRILLING COMPANY	DRILL RIG	DRILLING METHOD	LOGGED BY	CHECKED BY
ABC Liovin	CME-75	Hollow-Stem Auger	E. Babayan	E. Tsai

HAMMER TYPE (WEIGHT/DROP)	HAMMER EFFICIENCY (ERI)	BORING DIA. (in)	TOTAL DEPTH (ft)	GROUND ELEV (ft)	DEPTH/ELEV. GW (ft)
Automatic Trip: 140lb / 30in	85.6%	8	30		▽ N/A / *na* DURING DRILLING

DRIVE SAMPLER TYPE(S) & SIZE (ID)	NOTES	
Bulk, MC (2.4"), SPT (1.4")	N_{60}* = 1.42N_{SPT} = 0.96N_{MC}	▼ N/A / *na* AFTER DRILLING

DEPTH (feet)	ELEVATION (feet)	SAMPLE TYPE	SAMPLE NO.	PENETRATION RESISTANCE (BLOWS / 6 IN)	BLOWS/FT "N"	MOISTURE (%)	DRY DENSITY (PCF)	PASSING #200 (%)	ATTERBERG LIMITS (LL,PL,PI)	POCKET PEN (tsf)	OTHER TESTS	DRILLING METHOD	GRAPHIC LOG	DESCRIPTION AND CLASSIFICATION
30		X	S-2	18 24 38	62									- dense to very dense, fine to coarse sand with few fine gravel, trace fines - increase in gravel
														Total Depth: 30 feet bgs Groundwater not encountered Boring backfilled with cement bentonite grout
35														
40														
45														

GDC_LOG_BORING_2011_LA1598.GPJ_GDCLOG.GDT_2/9/23

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Torrance, CA 90501

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FIGURE
A-8b

BORING RECORD

PROJECT NAME	PROJECT NUMBER	HOLE ID
Botanical Village - ROW DTLA	LA1598	B-7

SITE LOCATION	START	FINISH	SHEET NO.
767 S. Alameda St, Los Angeles, CA	1/6/2023	1/6/2023	1 of 2

DRILLING COMPANY	DRILL RIG	DRILLING METHOD	LOGGED BY	CHECKED BY
ABC Liovin	CME-75	Hollow-Stem Auger	E. Babayan	E. Tsai

HAMMER TYPE (WEIGHT/DROP)	HAMMER EFFICIENCY (ERI)	BORING DIA. (in)	TOTAL DEPTH (ft)	GROUND ELEV (ft)	DEPTH/ELEV. GW (ft)
Automatic Trip: 140lb / 30in	85.6%	8	30		▽ N/A / *na* DURING DRILLING

DRIVE SAMPLER TYPE(S) & SIZE (ID)	NOTES	
Bulk, MC (2.4"), SPT (1.4")	N_{60}* = 1.42N_{SPT} = 0.96N_{MC}	▼ N/A / *na* AFTER DRILLING

DEPTH (feet)	ELEVATION (feet)	SAMPLE TYPE	SAMPLE NO.	PENETRATION RESISTANCE (BLOWS / 6 IN)	BLOWS/FT "N"	MOISTURE (%)	DRY DENSITY (PCF)	PASSING #200 (%)	ATTERBERG LIMITS (LL,PL,PI)	POCKET PEN (tsf)	OTHER TESTS	DRILLING METHOD	GRAPHIC LOG	DESCRIPTION AND CLASSIFICATION
														4" of Concrete
			B-1								CR			FILL Sandy SILT (ML), dark brown, moist, mostly fines, some fine sand, little clay, few gravel and debris fragments (brick)
														Silty SAND (SM), brown, moist, mostly fine to medium sand, some slt, few clay
			R-1	2 2 5	7	9.8	105.8							NATIVE Silty SAND (SM), loose, brown, moist, mostly fine sand, some silt
5														
														- few coarse sand
			R-2	4 6 5	11	10.1	97.6							
10														Poorly graded SAND (SP), loose, white, slightly moist, mostly fine sand, few fines
			S-1	4 8 18	26	6.7								
15														- medium dense, light brown with mottling, fine to medium sand, few fines
			S-2	13 23 22	45	4.8								
20														- dense, more variation in sand grain size (fine to coarse), few fine gravel
			S-3	8 15 25	40									

GDC_LOG_BORING_2011_LA1598.GPJ_GDCLOG.GDT_2/9/23

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FIGURE
A-9a

BORING RECORD

PROJECT NAME	PROJECT NUMBER	HOLE ID
Botanical Village - ROW DTLA	LA1598	B-7

SITE LOCATION	START	FINISH	SHEET NO.
767 S. Alameda St, Los Angeles, CA	1/6/2023	1/6/2023	2 of 2

DRILLING COMPANY	DRILL RIG	DRILLING METHOD	LOGGED BY	CHECKED BY
ABC Liovin	CME-75	Hollow-Stem Auger	E. Babayan	E. Tsai

HAMMER TYPE (WEIGHT/DROP)	HAMMER EFFICIENCY (ERI)	BORING DIA. (in)	TOTAL DEPTH (ft)	GROUND ELEV (ft)	DEPTH/ELEV. GW (ft)
Automatic Trip: 140lb / 30in	85.6%	8	30		▽ N/A / *na* DURING DRILLING

DRIVE SAMPLER TYPE(S) & SIZE (ID)	NOTES	
Bulk, MC (2.4"), SPT (1.4")	N_{60}* = 1.42N_{SPT} = 0.96N_{MC}	▼ N/A / *na* AFTER DRILLING

DEPTH (feet)	ELEVATION (feet)	SAMPLE TYPE	SAMPLE NO.	PENETRATION RESISTANCE (BLOWS / 6 IN)	BLOWS/FT "N"	MOISTURE (%)	DRY DENSITY (PCF)	PASSING #200 (%)	ATTERBERG LIMITS (LL,PL,PI)	POCKET PEN (tsf)	OTHER TESTS	DRILLING METHOD	GRAPHIC LOG	DESCRIPTION AND CLASSIFICATION
30		X	S-4	10 21 29	50	2.9								Total Depth: 30 feet bgs Groundwater not encountered Boring backfilled with cement bentonite grout
35														
40														
45														

GDC_LOG_BORING_2011_LA1598.GPJ_GDCLOG.GDT_2/9/23

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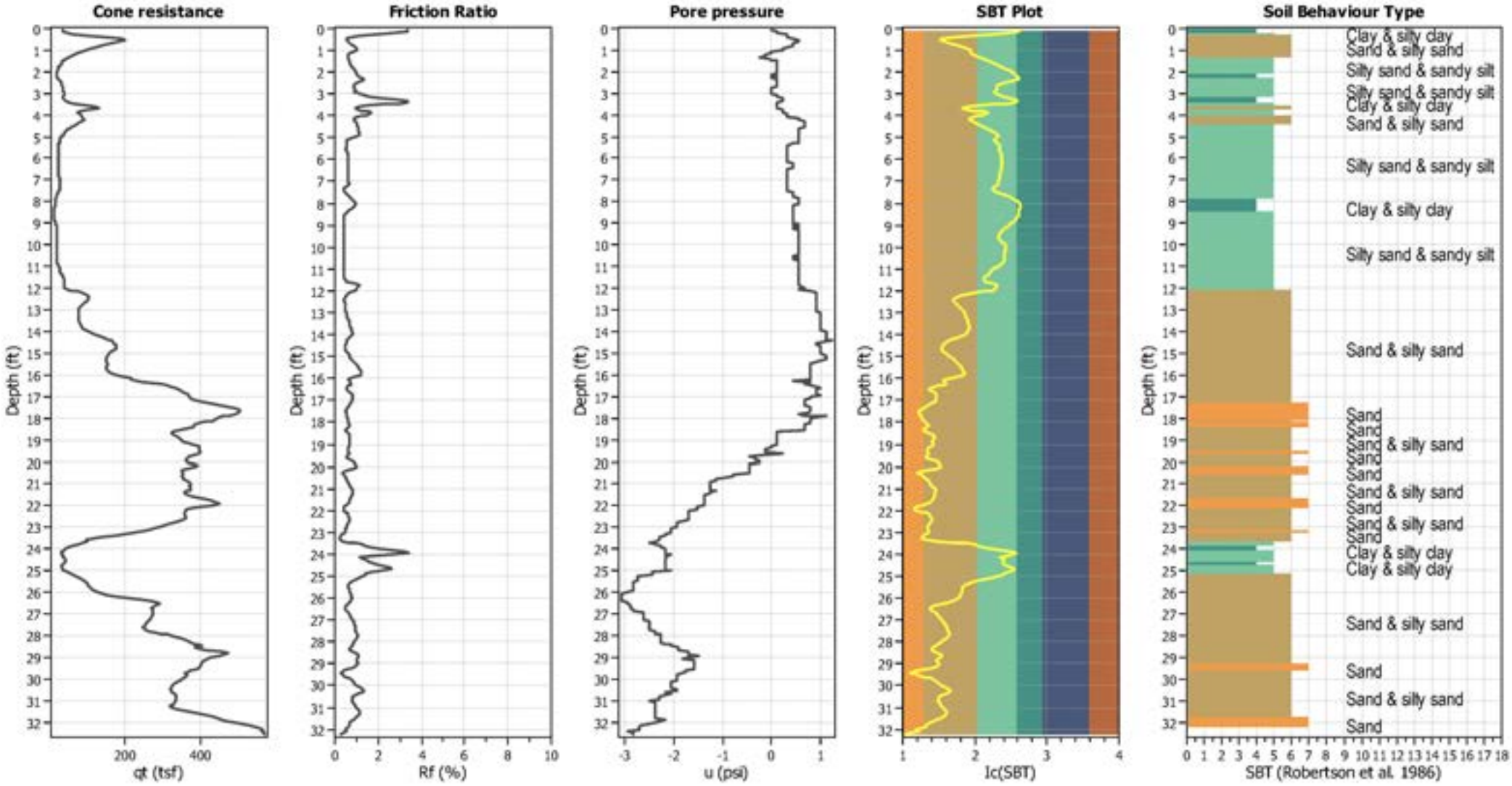
FIGURE
A-9b

CPT basic interpretation plots



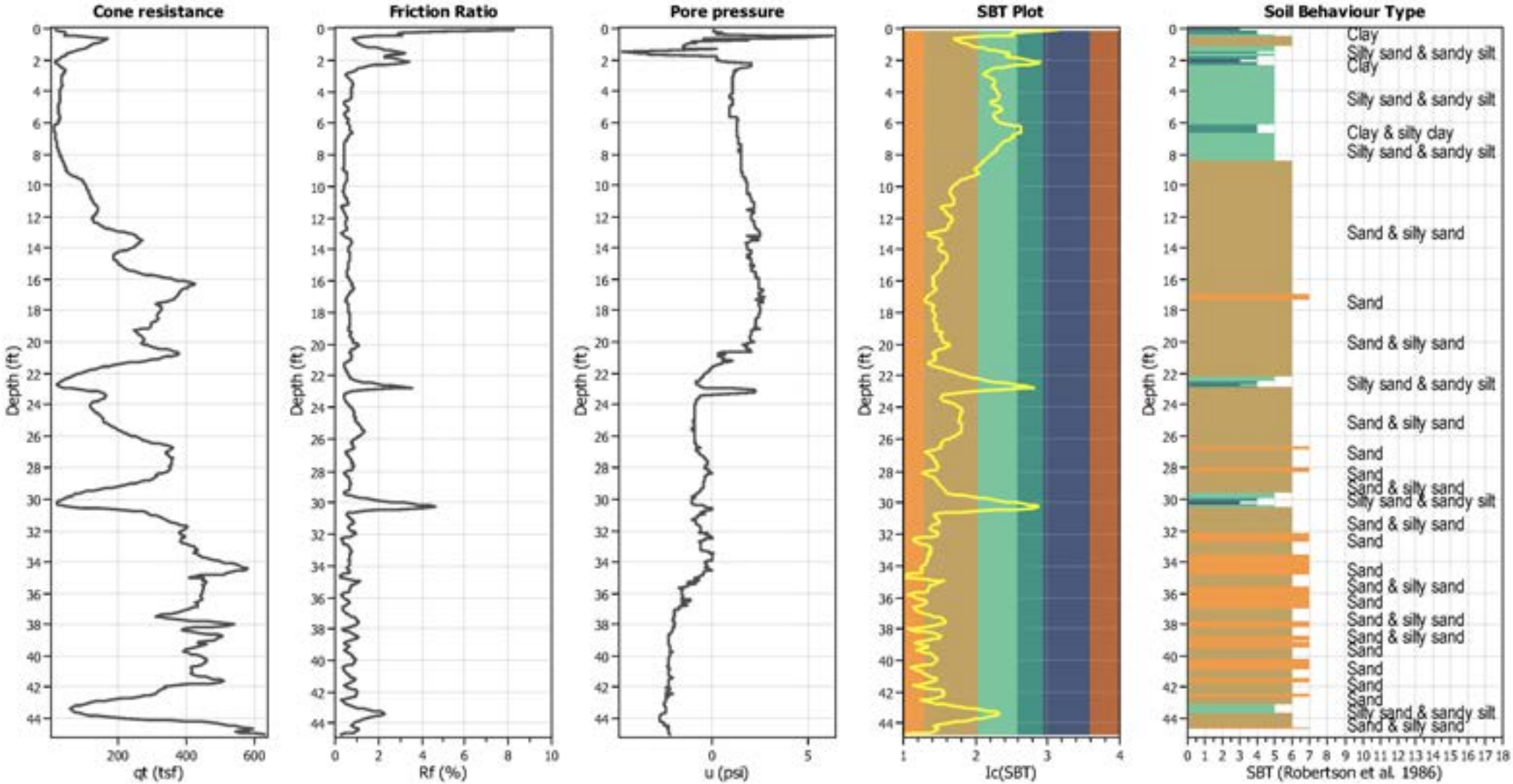
Input parameters and analysis data

Analysis method:	NCEER (1998)	Depth to water table (erthq.):	100.00 ft	Fill weight:	N/A
Fines correction method:	NCEER (1998)	Average results interval:	3	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K_0 applied:	Yes
Earthquake magnitude M_w:	6.90	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.60	Use fill:	No	Limit depth applied:	No
Depth to water table (insitu):	100.00 ft	Fill height:	N/A	Limit depth:	N/A

SBT legend

1. Sensitive fine grained
2. Organic material
3. Clay to silty clay
4. Clayey silt to silty
5. Silty sand to sandy silt
6. Clean sand to silty sand
7. Gravely sand to sand
8. Very stiff sand to
9. Very stiff fine grained

CPT basic interpretation plots



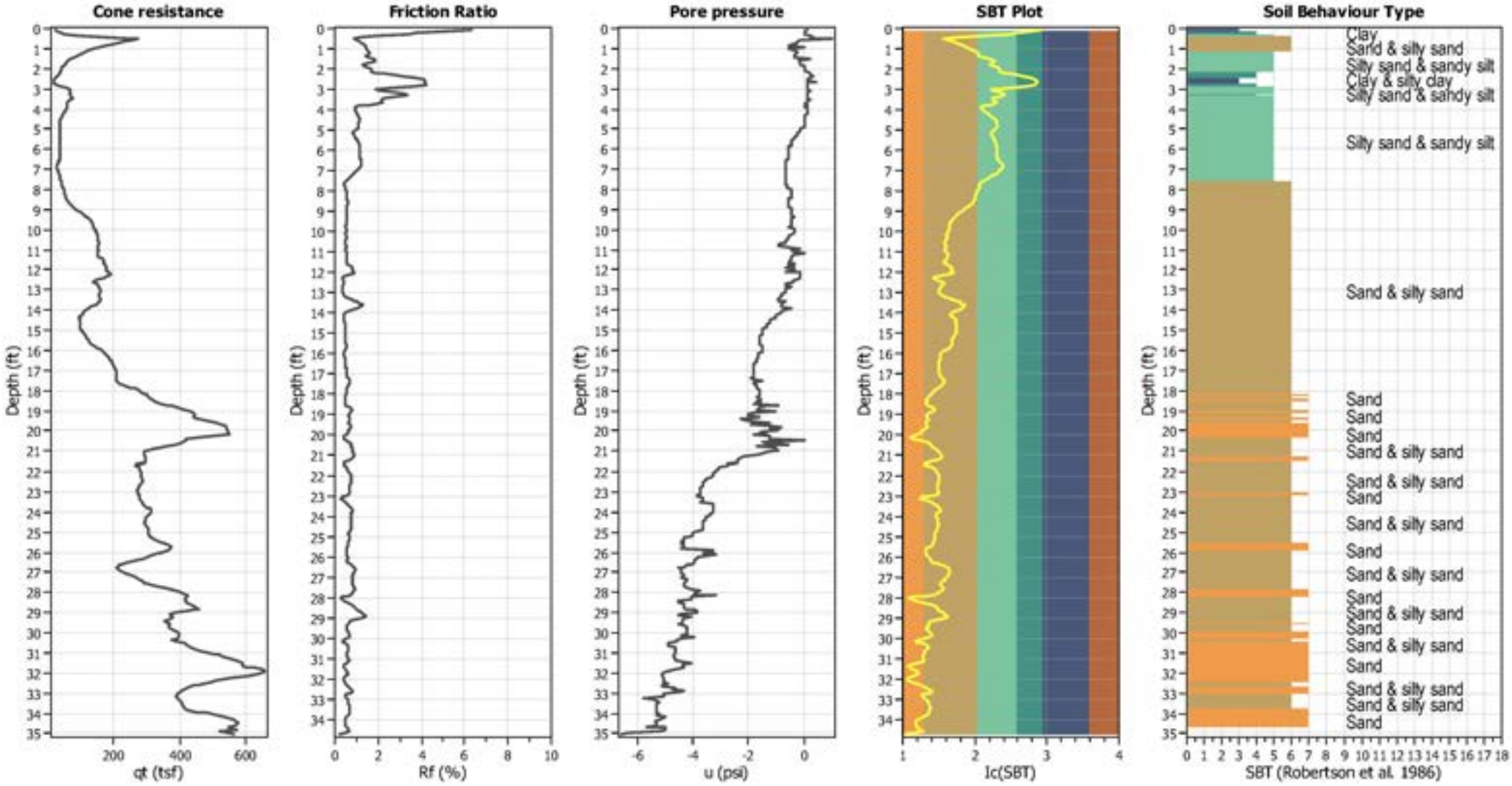
Input parameters and analysis data

Analysis method:	NCEER (1998)	Depth to water table (erthq.):	100.00 ft	Fill weight:	N/A
Fines correction method:	NCEER (1998)	Average results interval:	3	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K_0 applied:	Yes
Earthquake magnitude M_w:	6.90	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.60	Use fill:	No	Limit depth applied:	No
Depth to water table (insitu):	100.00 ft	Fill height:	N/A	Limit depth:	N/A

SBT legend

1. Sensitive fine grained
2. Organic material
3. Clay to silty clay
4. Clayey silt to silty
5. Silty sand to sandy silt
6. Clean sand to silty sand
7. Gravely sand to sand
8. Very stiff sand to
9. Very stiff fine grained

CPT basic interpretation plots



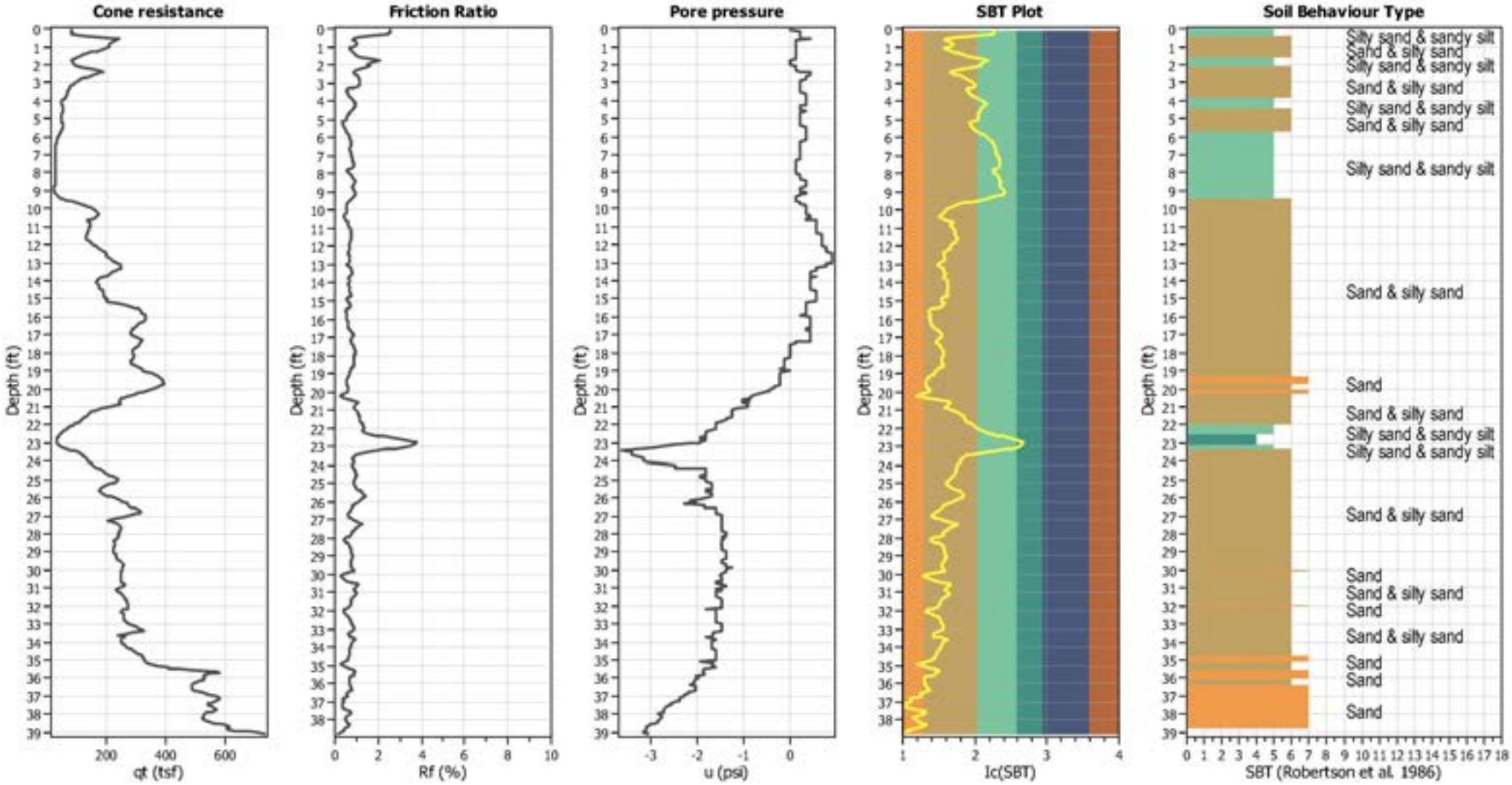
Input parameters and analysis data

Analysis method:	NCEER (1998)	Depth to water table (erthq.):	100.00 ft	Fill weight:	N/A
Fines correction method:	NCEER (1998)	Average results interval:	3	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K_0 applied:	Yes
Earthquake magnitude M_w:	6.90	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.60	Use fill:	No	Limit depth applied:	No
Depth to water table (insitu):	100.00 ft	Fill height:	N/A	Limit depth:	N/A

SBT legend

1. Sensitive fine grained
2. Organic material
3. Clay to silty clay
4. Clayey silt to silty
5. Silty sand to sandy silt
6. Clean sand to silty sand
7. Gravely sand to sand
8. Very stiff sand to
9. Very stiff fine grained

CPT basic interpretation plots



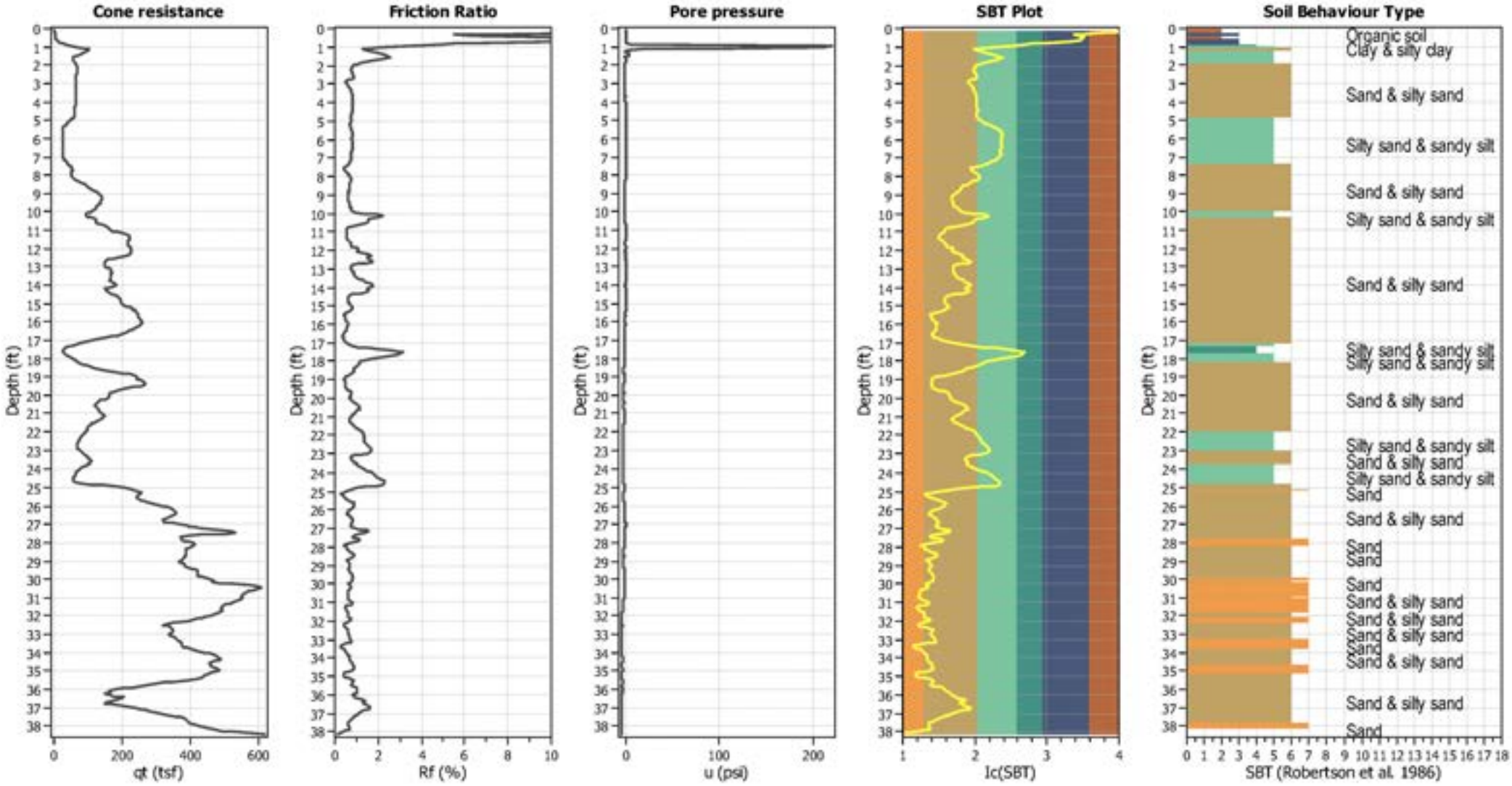
Input parameters and analysis data

Analysis method:	NCEER (1998)	Depth to water table (erthq.):	100.00 ft	Fill weight:	N/A
Fines correction method:	NCEER (1998)	Average results interval:	3	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K_0 applied:	Yes
Earthquake magnitude M_w:	6.90	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.60	Use fill:	No	Limit depth applied:	No
Depth to water table (insitu):	100.00 ft	Fill height:	N/A	Limit depth:	N/A

SBT legend

1. Sensitive fine grained
2. Organic material
3. Clay to silty clay
4. Clayey silt to silty
5. Silty sand to sandy silt
6. Clean sand to silty sand
7. Gravely sand to sand
8. Very stiff sand to
9. Very stiff fine grained

CPT basic interpretation plots



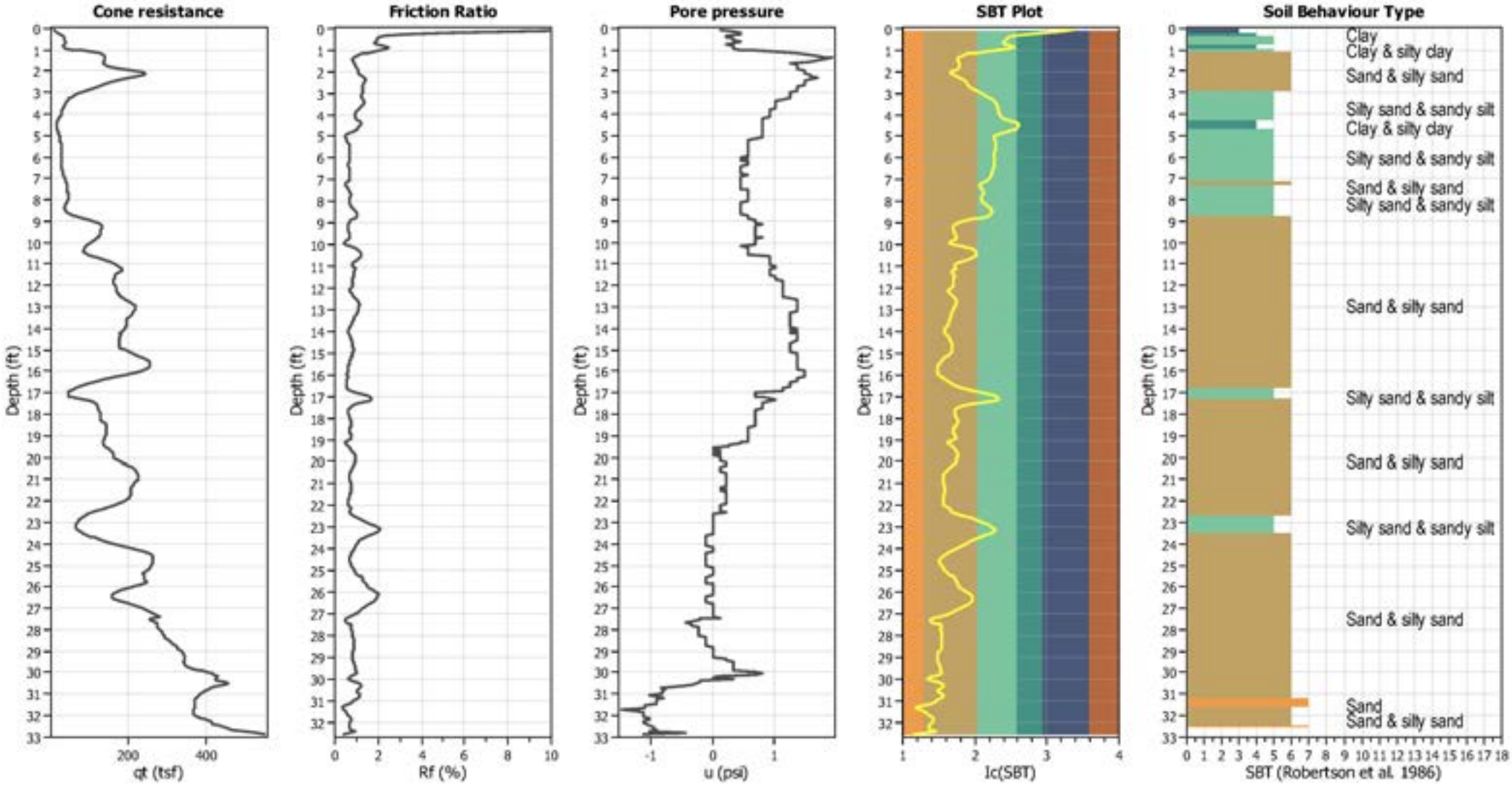
Input parameters and analysis data

Analysis method:	NCEER (1998)	Depth to water table (erthq.):	100.00 ft	Fill weight:	N/A
Fines correction method:	NCEER (1998)	Average results interval:	3	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K_0 applied:	Yes
Earthquake magnitude M_w:	6.90	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.60	Use fill:	No	Limit depth applied:	No
Depth to water table (insitu):	100.00 ft	Fill height:	N/A	Limit depth:	N/A

SBT legend

1. Sensitive fine grained
2. Organic material
3. Clay to silty clay
4. Clayey silt to silty
5. Silty sand to sandy silt
6. Clean sand to silty sand
7. Gravely sand to sand
8. Very stiff sand to
9. Very stiff fine grained

CPT basic interpretation plots



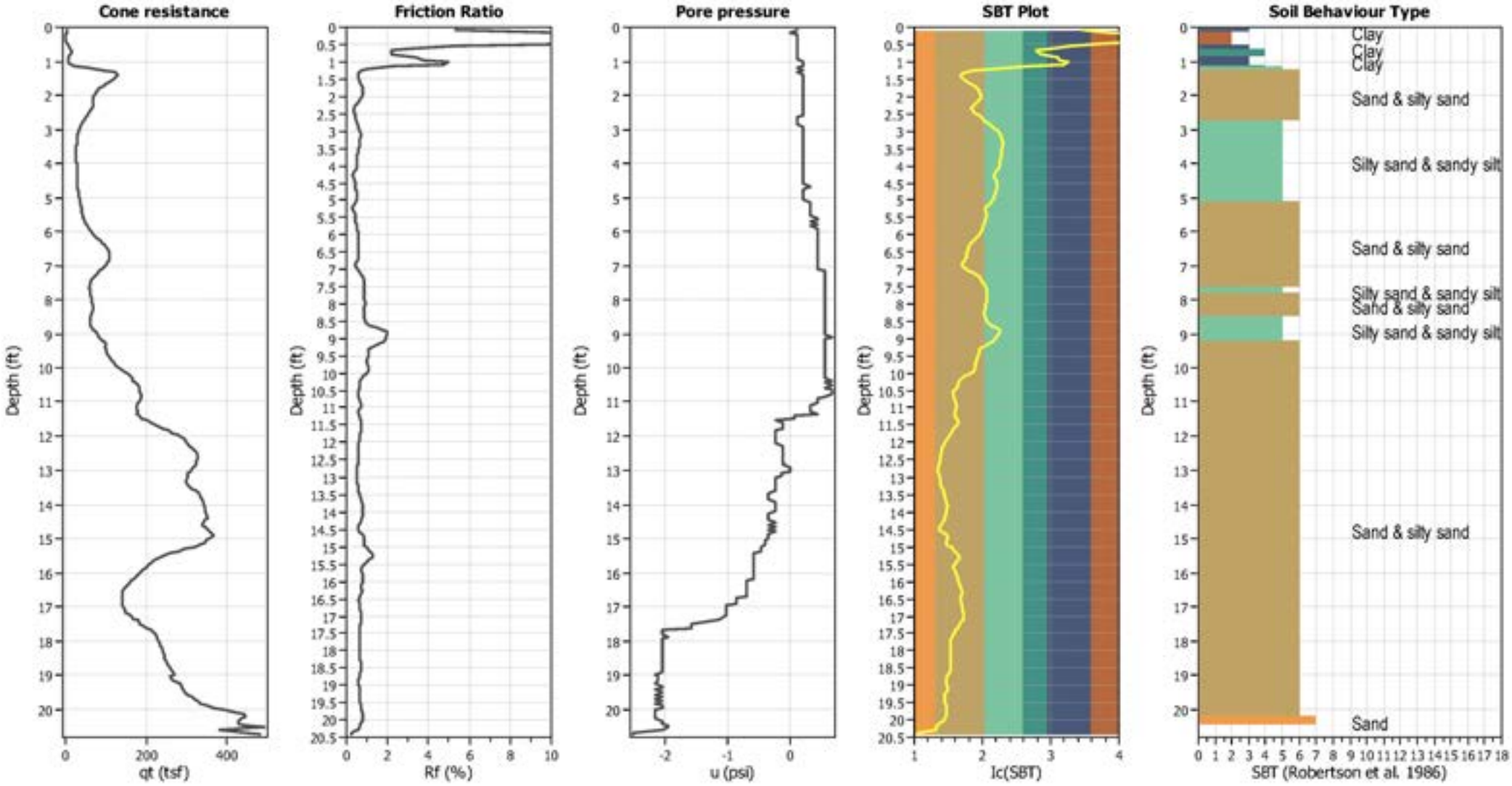
Input parameters and analysis data

Analysis method:	NCEER (1998)	Depth to water table (erthq.):	100.00 ft	Fill weight:	N/A
Fines correction method:	NCEER (1998)	Average results interval:	3	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K_0 applied:	Yes
Earthquake magnitude M_w:	6.90	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.60	Use fill:	No	Limit depth applied:	No
Depth to water table (insitu):	100.00 ft	Fill height:	N/A	Limit depth:	N/A

SBT legend

1. Sensitive fine grained
2. Organic material
3. Clay to silty clay
4. Clayey silt to silty
5. Silty sand to sandy silt
6. Clean sand to silty sand
7. Gravely sand to sand
8. Very stiff sand to
9. Very stiff fine grained

CPT basic interpretation plots



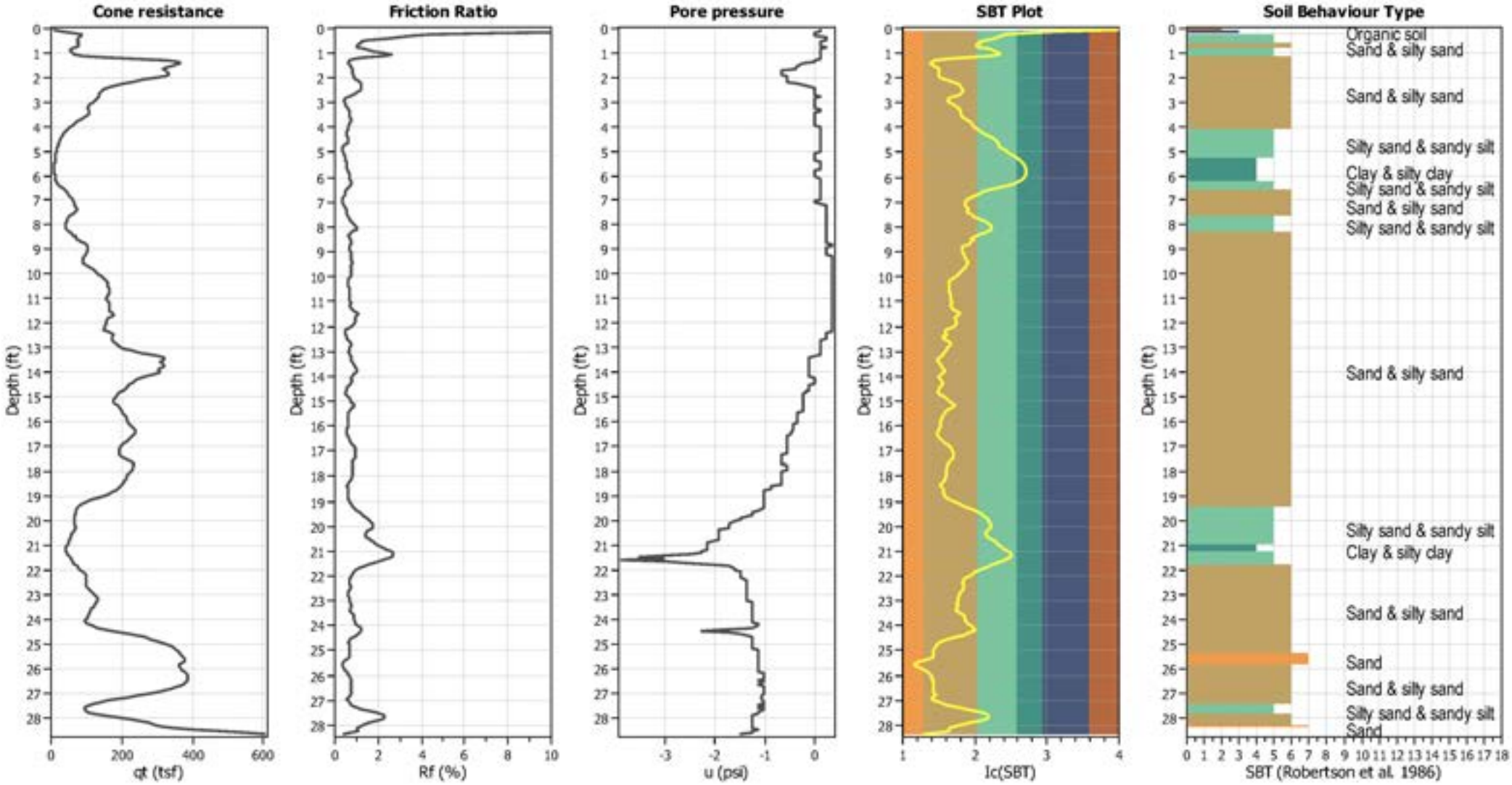
Input parameters and analysis data

Analysis method:	NCEER (1998)	Depth to water table (erthq.):	100.00 ft	Fill weight:	N/A
Fines correction method:	NCEER (1998)	Average results interval:	3	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K_0 applied:	Yes
Earthquake magnitude M_w:	6.90	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.60	Use fill:	No	Limit depth applied:	No
Depth to water table (insitu):	100.00 ft	Fill height:	N/A	Limit depth:	N/A

SBT legend

1. Sensitive fine grained
2. Organic material
3. Clay to silty clay
4. Clayey silt to silty
5. Silty sand to sandy silt
6. Clean sand to silty sand
7. Gravely sand to sand
8. Very stiff sand to
9. Very stiff fine grained

CPT basic interpretation plots



Input parameters and analysis data

Analysis method:	NCEER (1998)	Depth to water table (erthq.):	100.00 ft	Fill weight:	N/A
Fines correction method:	NCEER (1998)	Average results interval:	3	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K_0 applied:	Yes
Earthquake magnitude M_w:	6.90	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.60	Use fill:	No	Limit depth applied:	No
Depth to water table (insitu):	100.00 ft	Fill height:	N/A	Limit depth:	N/A

SBT legend

1. Sensitive fine grained
2. Organic material
3. Clay to silty clay
4. Clayey silt to silty
5. Silty sand to sandy silt
6. Clean sand to silty sand
7. Gravely sand to sand
8. Very stiff sand to
9. Very stiff fine grained

APPENDIX B – LABORATORY TEST RESULTS

APPENDIX B
LABORATORY TESTING

B.1 Introduction

Modified California drive samples and bulk samples were collected during the field explorations and transported to Group Delta's laboratory for further evaluation and testing. Tests were performed on selected samples in accordance with American Society for Testing and Materials (ASTM) as an aid in classifying the in-situ soils and to evaluate their engineering properties. Laboratory testing for this investigation included:

- Soil Classification: USCS (ASTM D2487) and Visual Manual (ASTM D2488)
- Moisture content (ASTM D2216) and Dry Unit Weight (ASTM D2937)
- Direct Shear (ASTM D3080)
- Expansion Index (ASTM D4829)
- Standard Compaction (ASTM D1557)
- R-Value (CTM-301)
- Grain-Size Distribution (ASTM D422)
- Soil Corrosivity:
    - Minimum Electrical Resistivity (ASTM G187)
    - pH (ASTM G51)
    - Water Soluble Chloride and Sulfate (ASTM D4327)

A brief description of the laboratory testing program and test results are presented below.

B.2 Soil Classification

The subsurface materials were classified visually in the field in accordance with ASTM Test Method D2488 and following Caltrans Soil and Logging Classification and Presentation Manual (2010). Soil classifications were modified as necessary based on further inspection and testing in the laboratory using the Unified Soil Classification System (ASTM D2487). The soil classifications are presented on the key for soil classification and on the boring logs in Appendix A.

B.3 Moisture Content and Dry Unit Weight

The natural moisture content and dry unit weight of selected ring samples were determined in general accordance with ASTM D2216 and ASTM D2937. Results of these tests are presented on the boring logs in Appendix A.

B.4 Direct Shear

Direct shear testing was performed on undisturbed ring samples in accordance with ASTM D3080. After the initial weight and volume measurements were made, the sample was placed in a calibrated shear machine and a selected normal load was applied. Each sample was then

saturated, allowed to consolidate, and then were sheared under a constant strain to failure. Shear stress and sample deformations were monitored throughout the test. The test results are presented in Figures B-1 to B-4.

B.5 Expansion Index

A representative bulk sample of the surficial soils was obtained and tested to evaluate the expansion potential of the in-situ earth materials. The bulk sample was collected from the upper 5 feet of the surficial soils. The test was conducted in accordance with ASTM D4829, and the result is presented in Figure B-5.

B.6 Standard Compaction

Compaction testing was performed on a selected bulk sample of the surficial soils in accordance with ASTM D1557. Specimens were prepared at different water contents and compacted. Dry densities were measured for each specimen. The optimum moisture content and maximum dry density were determined using the modified compacting effort. The test result is presented in Figure B-6.

8.7 R-Value

R-value testing was performed on a representative bulk sample of the surficial soils. The R-Value test was performed in general accordance with CTM 301. The test measures the stiffness of a material in terms of its resistance to deformation when subjected to a vertical pressure and is used to determine the supporting characteristics of the subgrade soils for design of new pavement sections. The result is presented in Figure B-7.

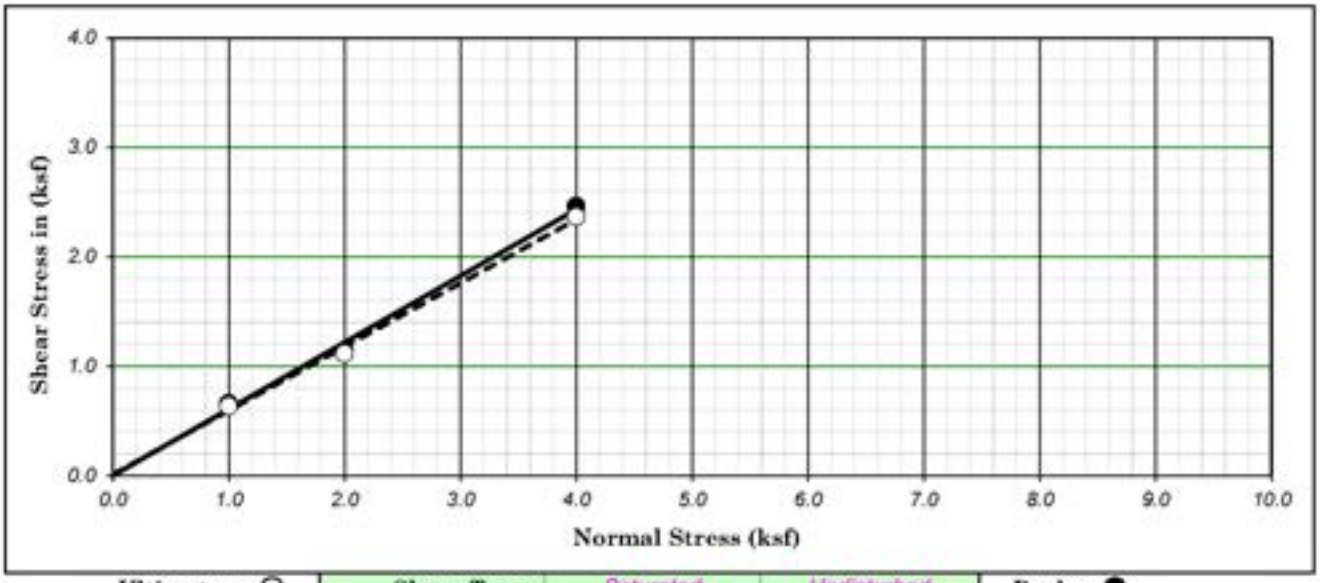
8.8 Sieve Analyses

To assist in classification of the in-situ soils, mechanical sieve analyses were performed on split-spoon SPT samples to determine their grain size distributions (gradations). Testing was performed in general accordance with ASTM D422. The test results are presented in Figures B-8 to B-10.

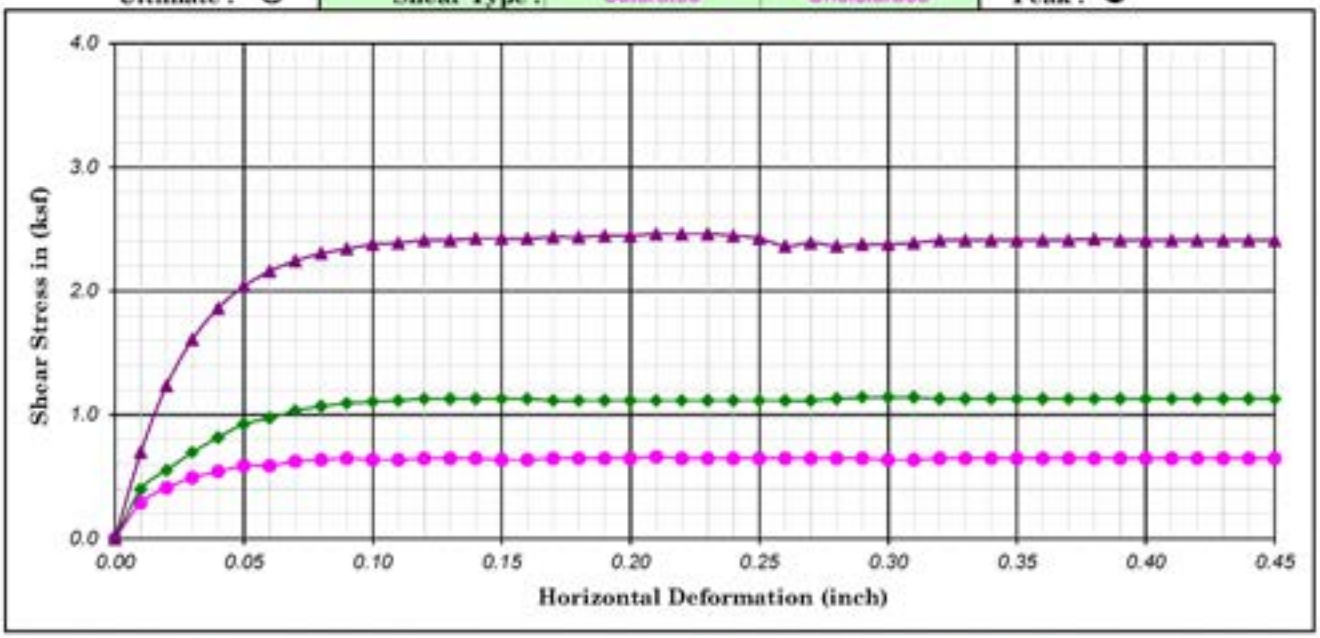
B.10 List of Attached Figures

The following figures are attached and complete this appendix:

Figures B-1 to B-4	Direct Shear Results
Figures B-5	Expansion Index Results
Figures B-6	Compaction (Density – Moisture) Test Results
Figure B-7	R-Value Test Results
Figures B-8 to B-10	Sieve Analysis Results



Ultimate : ○ | Shear Type : Saturated | Undisturbed | Peak : ●



Boring No. : B-1		Strength Intercept (C) :	0.00	(ksf)	Peak	0.01	(ksf)	Ultimate
Sample No. : R-1			0.00	(kPa)		0.57	(kPa)	
Depth (ft/m) : 7.5	2.29	Friction Angle (ϕ) :	31.32	Degree		30.24	Degree	
Description : Olive Brown Silty Sand					Shear Rate (inch/minute) :		0.0003	

SYMBOL	MOISTURE CONTENT (%)	DRY DENSITY (pcf)	DRY DENSITY (kN/m^3)	VOID RATIO	NORMAL STRESS (ksf)	NORMAL STRESS (kPa)	PEAK STRESS (ksf)	PEAK STRESS (kPa)	ULTIMATE STRESS (ksf)	ULTIMATE STRESS (kPa)
●	20.39	103.58	16.30	0.63	1.00	47.88	0.66	31.60	0.64	30.45
◆	21.86	101.50	15.98	0.66	2.00	95.76	1.14	54.58	1.12	53.43
▲	21.35	103.98	16.37	0.62	4.00	191.52	2.46	117.78	2.36	113.19

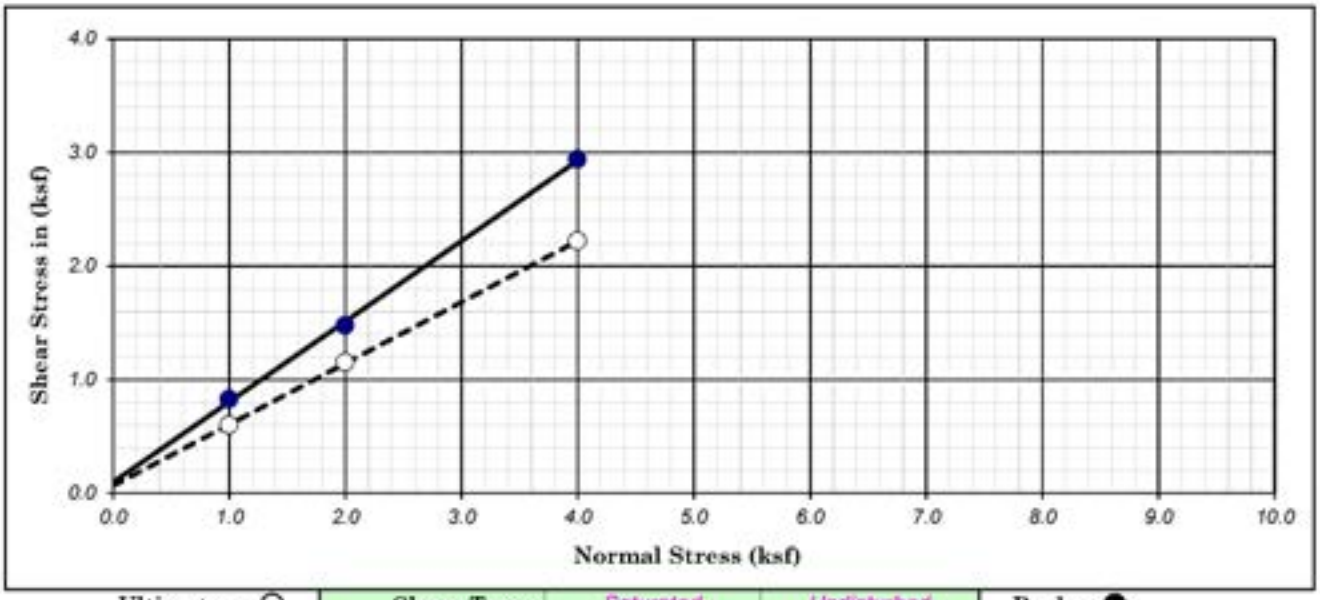
GROUP DELTA

Alameda Square Owner - ROW DTLA

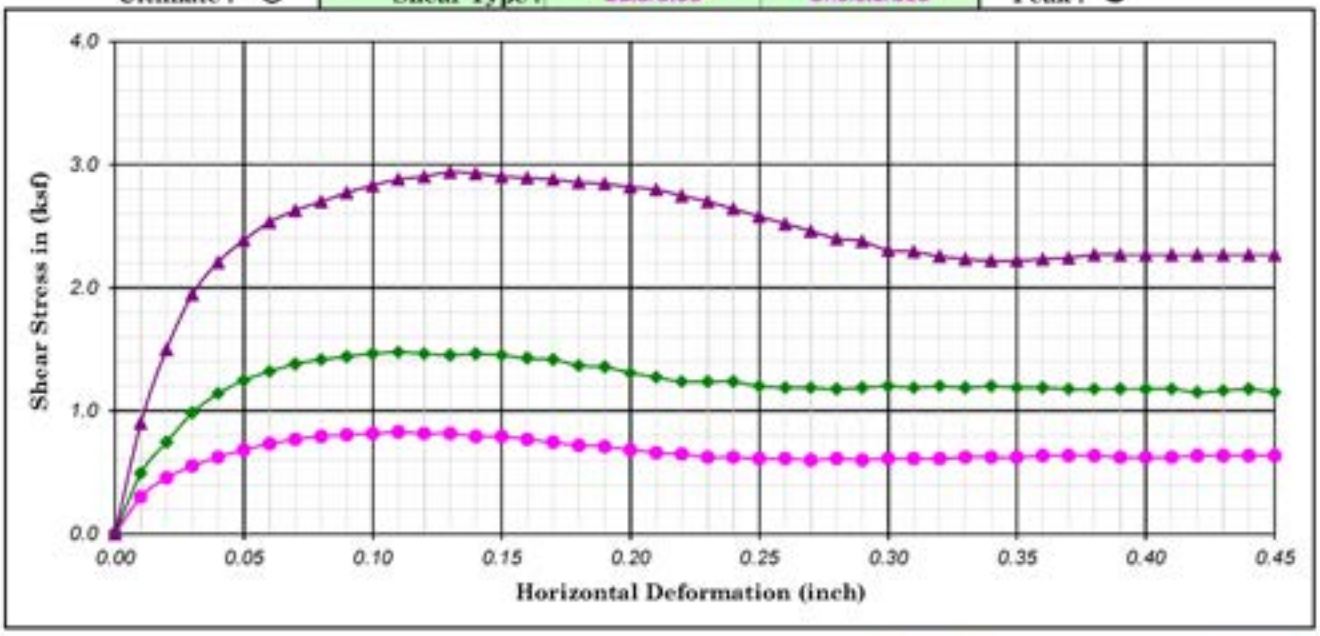
Project No. : LA1598 | Date : 01/28/23

DIRECT SHEAR TEST
(ASTM D -3080)

Figure No. : B-1



Ultimate : ○ | Shear Type : Saturated | Undisturbed | Peak : ●



Boring No. : B-3	Strength Intercept (C) :	0.10	(ksf)	Peak	0.07	(ksf)	Ultimate
Sample No. : R-1		4.60	(kPa)		3.16	(kPa)	
Depth (ft/m) : 7.5 2.29	Friction Angle (ϕ) :	35.30	Degree		28.33	Degree	
Description : Olive Brown Poorly-graded Sand					Shear Rate (inch/minute) :		0.005

SYMBOL	MOISTURE CONTENT (%)	DRY DENSITY (pcf)	DRY DENSITY (kN/m^3)	VOID RATIO	NORMAL STRESS (ksf)	NORMAL STRESS (kPa)	PEAK STRESS (ksf)	PEAK STRESS (kPa)	ULTIMATE STRESS (ksf)	ULTIMATE STRESS (kPa)
●	20.52	103.59	16.31	0.63	1.00	47.88	0.83	39.64	0.60	28.73
◆	21.18	103.10	16.23	0.63	2.00	95.76	1.48	70.67	1.15	55.16
▲	22.92	103.36	16.27	0.63	4.00	191.52	2.94	140.77	2.22	106.29

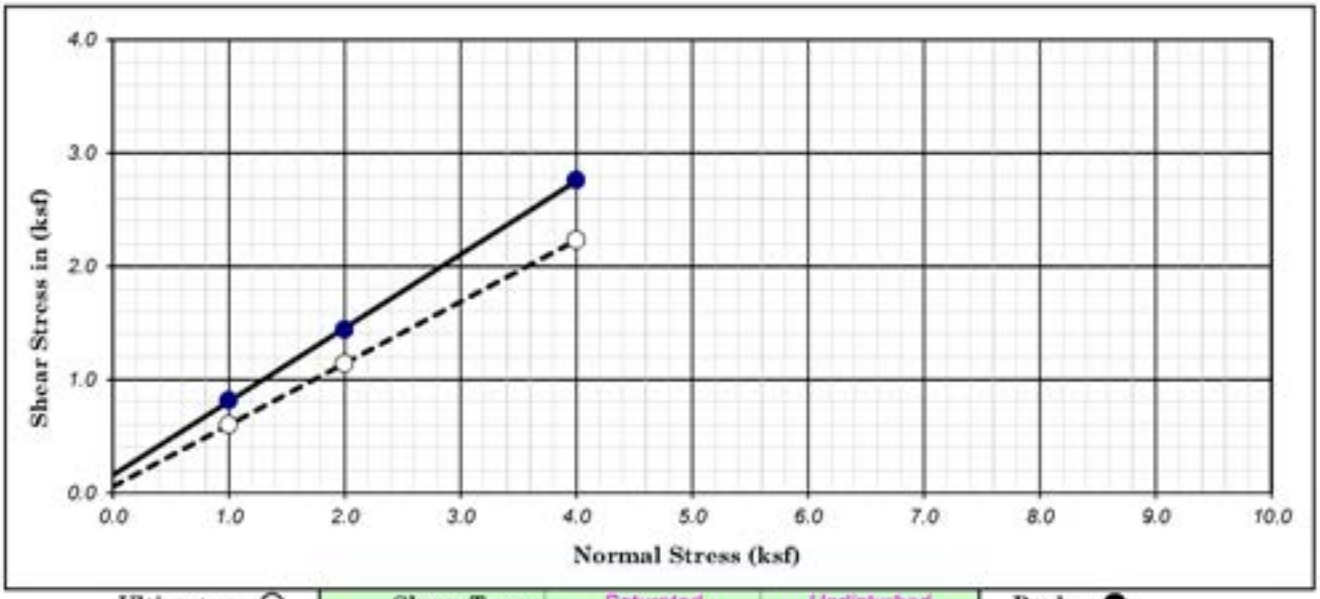
GROUP DELTA

Alameda Square Owner - ROW DTLA

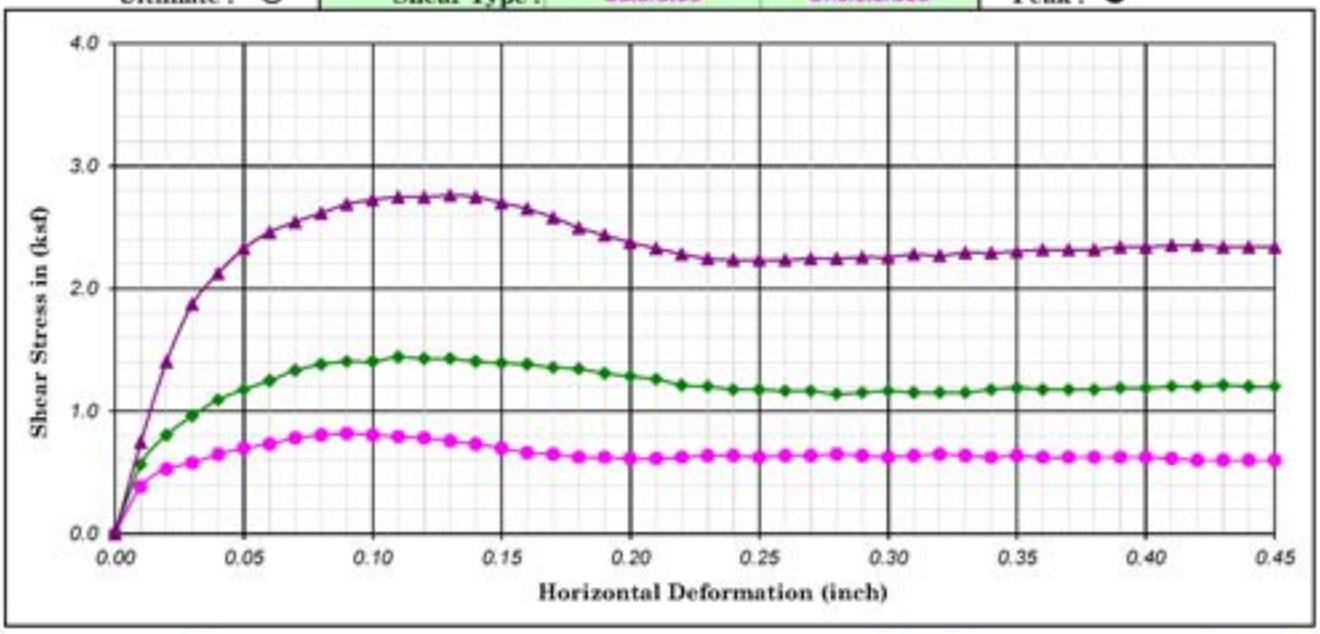
Project No. : LA1598 | Date : 01/28/23

DIRECT SHEAR TEST
(ASTM D -3080)

Figure No. : B-2



Ultimate : ○ | Shear Type : Saturated | Undisturbed | Peak : ●



Boring No. : B-4	Strength Intercept (C) :	0.16	(ksf)	Peak	0.05	(ksf)	Ultimate
Sample No. : R-1		7.47	(kPa)		2.59	(kPa)	
Depth (ft/m) : 5.0 / 1.53	Friction Angle (ϕ) :	33.01	Degree		28.56	Degree	
Description : Olive Brown Poorly-graded Sand					Shear Rate (inch/minute) :		0.005

SYMBOL	MOISTURE CONTENT (%)	DRY DENSITY (pcf)	DRY DENSITY (kN/m^3)	VOID RATIO	NORMAL STRESS (ksf)	NORMAL STRESS (kPa)	PEAK STRESS (ksf)	PEAK STRESS (kPa)	ULTIMATE STRESS (ksf)	ULTIMATE STRESS (kPa)
●	24.27	100.65	15.84	0.67	1.00	47.88	0.82	39.07	0.60	28.73
◆	24.24	100.79	15.86	0.67	2.00	95.76	1.44	68.95	1.14	54.58
▲	23.89	101.99	16.05	0.65	4.00	191.52	2.76	132.15	2.23	106.87

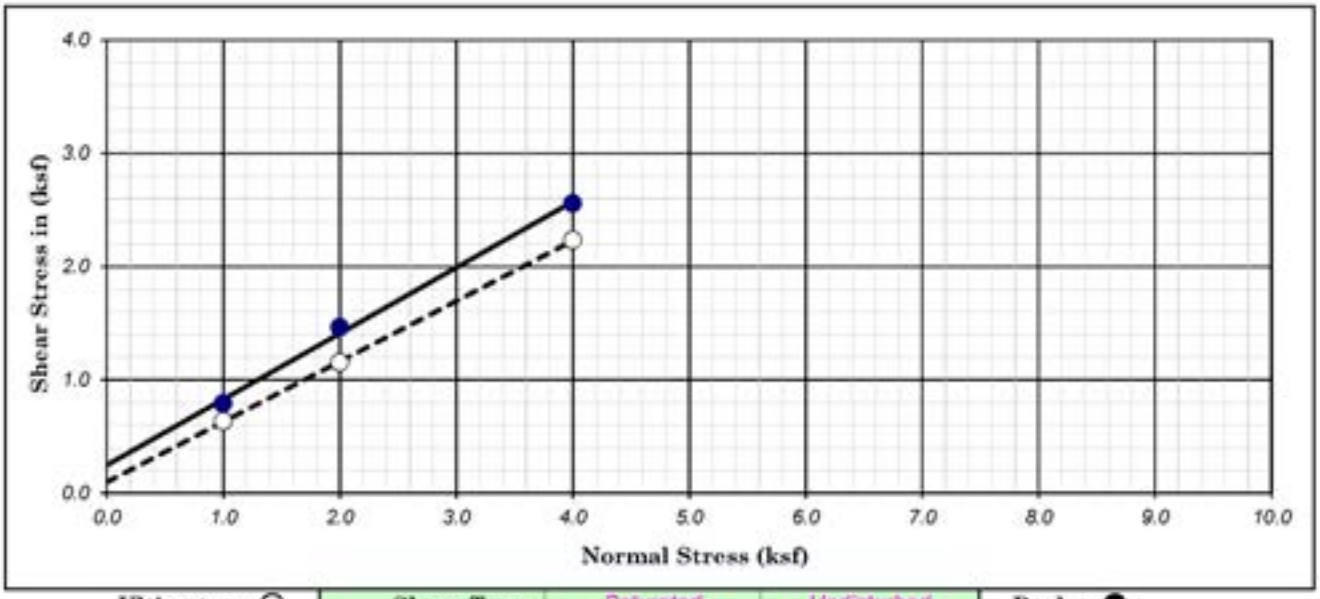
GROUP DELTA

Alameda Square Owner - ROW DTLA

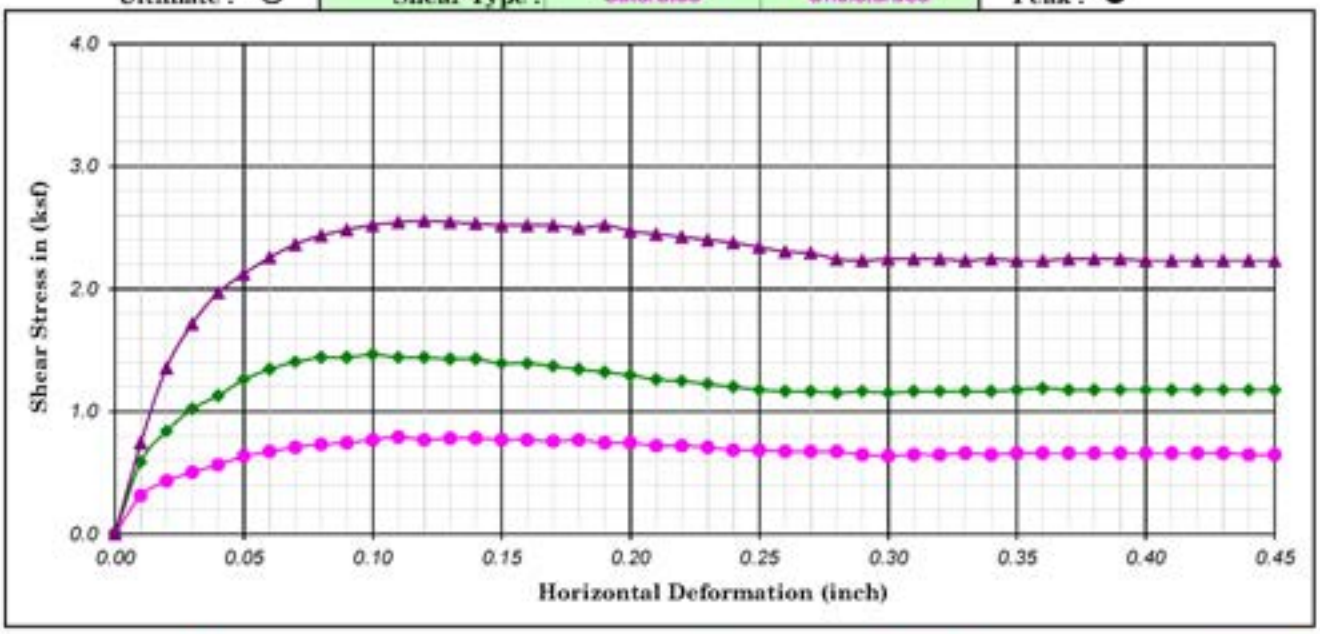
Project No. : LA1598 | Date : 01/30/23

DIRECT SHEAR TEST
(ASTM D -3080)

Figure No. : B-3



Ultimate : ○ | Shear Type : Saturated | Undisturbed | Peak : ●



Boring No. : B-6	Strength Intercept (C) :	0.25	(ksf)	Peak	0.10	(ksf)	Ultimate
Sample No. : R-2		11.78	(kPa)		4.60	(kPa)	
Depth (ft/m) : 7.5 2.29	Friction Angle (ϕ) :	30.20	Degree		28.06	Degree	
Description : Olive Brown Poorly-graded Sand					Shear Rate (inch/minute) :		0.005

SYMBOL	MOISTURE CONTENT (%)	DRY DENSITY (pcf)	DRY DENSITY (kN/m^3)	VOID RATIO	NORMAL STRESS (ksf)	NORMAL STRESS (kPa)	PEAK STRESS (ksf)	PEAK STRESS (kPa)	ULTIMATE STRESS (ksf)	ULTIMATE STRESS (kPa)
●	24.48	99.65	15.68	0.69	1.00	47.88	0.79	37.92	0.64	30.45
◆	24.50	99.71	15.69	0.69	2.00	95.76	1.46	70.10	1.15	55.16
▲	24.56	101.06	15.91	0.67	4.00	191.52	2.56	122.38	2.23	106.87

GROUP DELTA

Alameda Square Owner - ROW DTLA

Project No. : LA1598 | Date : 01/31/23

DIRECT SHEAR TEST
(ASTM D -3080)

Figure No. : B-4

GROUP DELTA

EXPANSION INDEX OF SOIL

ASTM D-4829-10 / UBC 29-2

Lab Number: SO6669

Project Name	: Alameda Square Owner - ROW DTLA		Sampled By : EVB	Date :	1/4/2023
Project No.	: LA1598		Prepared By : Eric Y.	Date :	1/24/2023
Boring No.	: B-2		Tested By : Eric Y.	Date :	1/25/2023
Sample No.	: Bulk-1		Calculated By : Eric Y.	Date :	1/27/2023
Depth (ft.)	: 0 - 5		Checked By : Ethan T.	Date :	
Description	: Dark Brown Silty Sand with Clay Chunks				

Sample Preparation

Weight of Total Soil	4238.00	Weight of Soil Retained on No. 4 Sieve	323.00	% Passing No. 4 Sieve	92.38

Trail	1	2	3	4	Tested	M & D After Test	
Container No.	SB-2					Container No.	
Weight of Wet Soil + Container (gm)	867.60					Wet Soil+Cont.+Ring	
Weight of Dry Soil + Container (gm)	813.20					Dry Soil+Cont.+Ring	
Weight of Container (gm)	228.53					Wt. of Container	
Moisture Content (%)	9.30				9.30	Moisture Content	
Weight of Wet Soil + Ring (gm)	610.37						
Weight of Ring (gm) No. 2.0	198.65				198.65		
Weight of Wet Soil (gm)	411.72						
Wet Density of Soil (pcf)	124.19					Wet Density (pcf)	
Dry Density of Soil (pcf)	113.62					Dry Density (pcf)	
Precent Saturation of Soil $S_{(Mean)}$	51.95				51.95	(%) Saturation	

Loading Machine No.			2	
Date	Reading Time	Elapsed Time	Dial Reading	Expansion
01/25/23	14:30:00	0:10:00		0.0000
01/25/23				
01/25/23	14:40:00	0:00:00	0.3000	0.0000
Add Distilled Water to Sample				
01/25/23	15:40:00	1:00:00	0.3020	0.0020
01/25/23	16:40:00	2:00:00	0.3021	0.0021
01/26/23	7:40:00	17:00:00	0.3022	0.0022
01/26/23	8:40:00	18:00:00	0.3022	0.0022
01/26/23	10:40:00	20:00:00	0.3022	0.0022
01/26/23	12:40:00	22:00:00	0.3022	0.0022
01/26/23	14:40:00	0:00:00	0.3022	0.0022

Remark :

1. *Screen sample through* **No. 4** *Sieve*
2. *Sample should be compacted into a metal ring of the Degree of Saturation of* **50 +/- 2% (48 - 52).**
3. *Inundated sample in distilled water to 24 h, or until the rate of expansion > (0.0002 in./h), no less than 3 h.*

Volume of Mold (ft^3)	0.00731	Specific Gravity	2.70
Rammer Weight (lb.)	5.0	Blows/Layer	15
Vertical Confining Pressure		1.0 (lbf/in^2) / 6.9 (kPa)	

$$(\%)\ S = \frac{S.G. \times W \times Dd}{Wd \times S.G. - Dd}$$

S.G.=Specific Gravity, W=Water Content
Dd=Dry Soil Density, Wd=Unit Wt. of Water

$$E.I._{(mean)} = \frac{\text{Change in High}}{\text{Initial Thickness}} \times 1000 = 2.20$$

$$\text{Expansion Index}_{(50)} = EI_{(mean)} - (50 - S_{(mean)}) \times \frac{65 + EI_{(mean)}}{220 - S_{(mean)}}$$

3	Very Low

Expansion Index	Potential Expansion
0 - 20	*Very Low*
21 - 50	*Low*
51 - 90	*Medium*
91 - 130	*High*
> 130	*Very High*

Figure B-5

GROUP DELTA CONSULTANTS, INC
ENGINEERS AND GEOLOGISTS
1320 S. SIMPSON CIRCLE
ANAHEIM, CA 92806

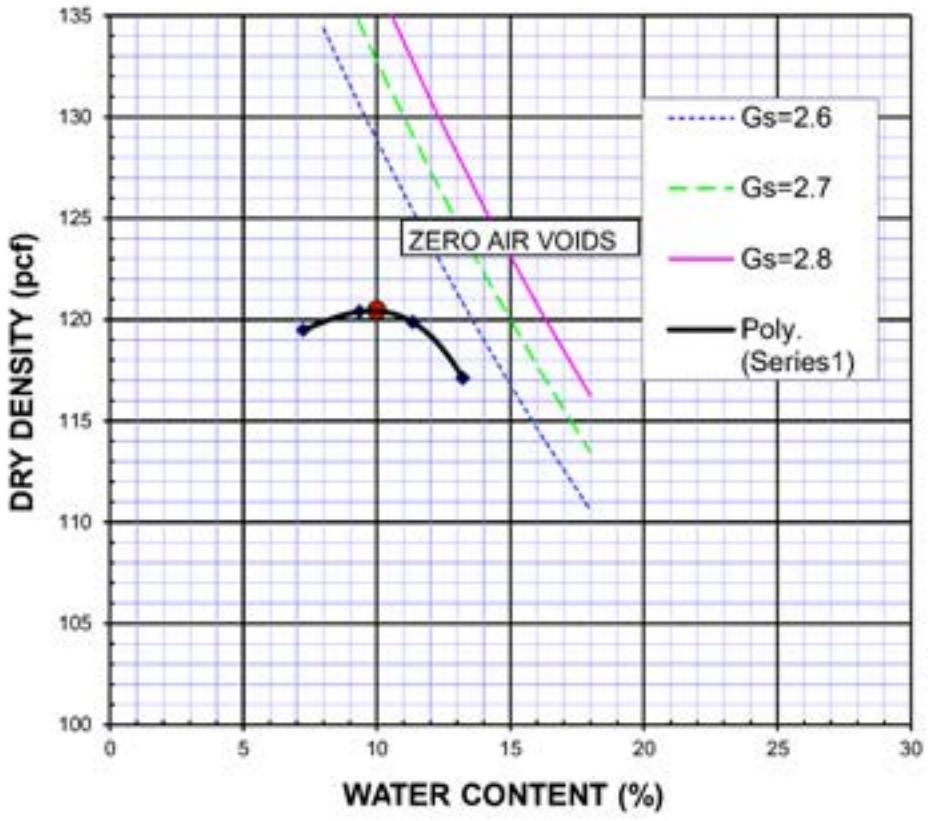
STANDARD TEST METHOD FOR MOISTURE - DENSITY RELATIONSHIP (ASTM D1557)

REV. 1, DATED 09/19/19

PROJECT: Alameda Square Owner - ROW DLTA
SAMPLE ID: SO6669
PROJECT NO.: LA1598
DATE: January 27, 2023
TESTED BY: Eric Y.
CHECKED BY: Ethan T.
SAMPLE DESCRIPTION: Dark Brown Silty Sand
LOCATION: B-5 Bulk-1@0 - 5'

Method: Mechanical ☑ Manual ☐ **Hammer:** 10lb.☑ 5.5 lb.☐

	2	4	6	8			%
A) WATER ADDED							
B) MOLD TARE WEIGHT	2037.7	2037.7	2037.7	2037.7			grams
C) WEIGHT OF WET SOIL AND MOLD	3972.5	4025.5	4053.0	4039.8			grams
D) WET SOIL WEIGHT (C - B)	1934.8	1987.8	2015.3	2002.1			grams
E) WET DENSITY (D / V)	128.1	131.6	133.5	132.6			pcf
F) DRY DENSITY (E / [(L/100) + 1])	119.5	120.4	119.9	117.1			pcf
G) TARE WEIGHT	234.8	233.6	238.1	227.9			grams
H) WEIGHT OF WET SOIL AND TARE	1701.6	1723.6	1754.5	1779.9			grams
I) WEIGHT OF DRY SOIL AND TARE	1602.5	1596.2	1600.0	1598.7			grams
J) WEIGHT OF WATER (H - I)	99.1	127.4	154.5	181.2			grams
K) DRY WEIGHT OF SOIL (I - G)	1367.7	1362.6	1361.9	1370.8			grams
L) MOISTURE CONTENT (J / K)* 100)	7.2	9.3	11.3	13.2			percent



4 inch: V= 15.10 pcf/gm
6 inch: V= 33.98 pcf/gm

B	METHOD USED (A,B or C)
4 inch	MOLD USED
15.10	MOLD VOLUME CORRECTION (V)
-3/8"	SIEVE NUMBER
2.4%	PERCENT RETAINED

WITH ROCK CORRECTION

	MAXIMUM DENSITY [PCF]
	OPTIMUM MOISTURE [%]

WITHOUT ROCK CORRECTION

120.5	**MAXIMUM DENSITY [PCF]**
10.0	**OPTIMUM MOISTURE [%]**

Figure B-6

SAMPLE NO.: SO6669 **SAMPLE DATE:** 1/4/2023

SAMPLE LOCATION: B-3 Bulk-1 @ 0 - 5' **TEST DATE:** 1/25/2023

SAMPLE DESCRIPTION: Dark Brown Silty Sand

LABORATORY TEST DATA

	TEST SPECIMEN	1	2	3	4	5	
A	COMPACTOR PRESSURE	350	350	350			[PSI]
B	INITIAL MOISTURE	9.7	9.7	9.7			[%]
C	BATCH SOIL WEIGHT	1200	1200	1200			[G]
D	WATER ADDED	30.1	25.2	20.0			[ML]
E	WATER ADDED (D*(100+B)/C)	2.8	2.3	1.8			[%]
F	COMPACTION MOISTURE (B+E)	12.5	12.0	11.5			[%]
G	MOLD WEIGHT	2077.0	2071.7	2074.0			[G]
H	TOTAL BRIQUETTE WEIGHT	3155.9	3190.3	3171.8			[G]
I	NET BRIQUETTE WEIGHT (H-G)	1078.9	1118.6	1097.8			[G]
J	BRIQUETTE HEIGHT	2.45	2.53	2.45			[IN]
K	DRY DENSITY (30.3*I/((100+F)*J))	118.7	119.6	121.7			[PCF]
L	EXUDATION LOAD	2430	4330	7760			[LB]
M	EXUDATION PRESSURE (L/12.54)	194	345	619			[PSI]
N	STABILOMETER AT 1000 LBS	34	28	24			[PSI]
O	STABILOMETER AT 2000 LBS	38	32	27			[PSI]
P	DISPLACEMENT FOR 100 PSI	4.77	4.59	4.40			[Turns]
Q	R VALUE BY STABILOMETER	63	69	74			
R	CORRECTED R-VALUE (See Fig. 14)	63	69	74			
S	EXPANSION DIAL READING	0.0000	0.0000	0.0002			[IN]
T	EXPANSION PRESSURE (S*43,300)	0	0	9			[PSF]
U	COVER BY STABILOMETER	0.35	0.29	0.24			[FT]
V	COVER BY EXPANSION	0.00	0.00	0.07			[FT]

TRAFFIC INDEX:	4.5
GRAVEL FACTOR:	1.53
UNIT WEIGHT OF COVER [PCF]:	130
R-VALUE BY EXUDATION:	67
R-VALUE BY EXPANSION:	84
R-VALUE AT EQUILIBRIUM:	67

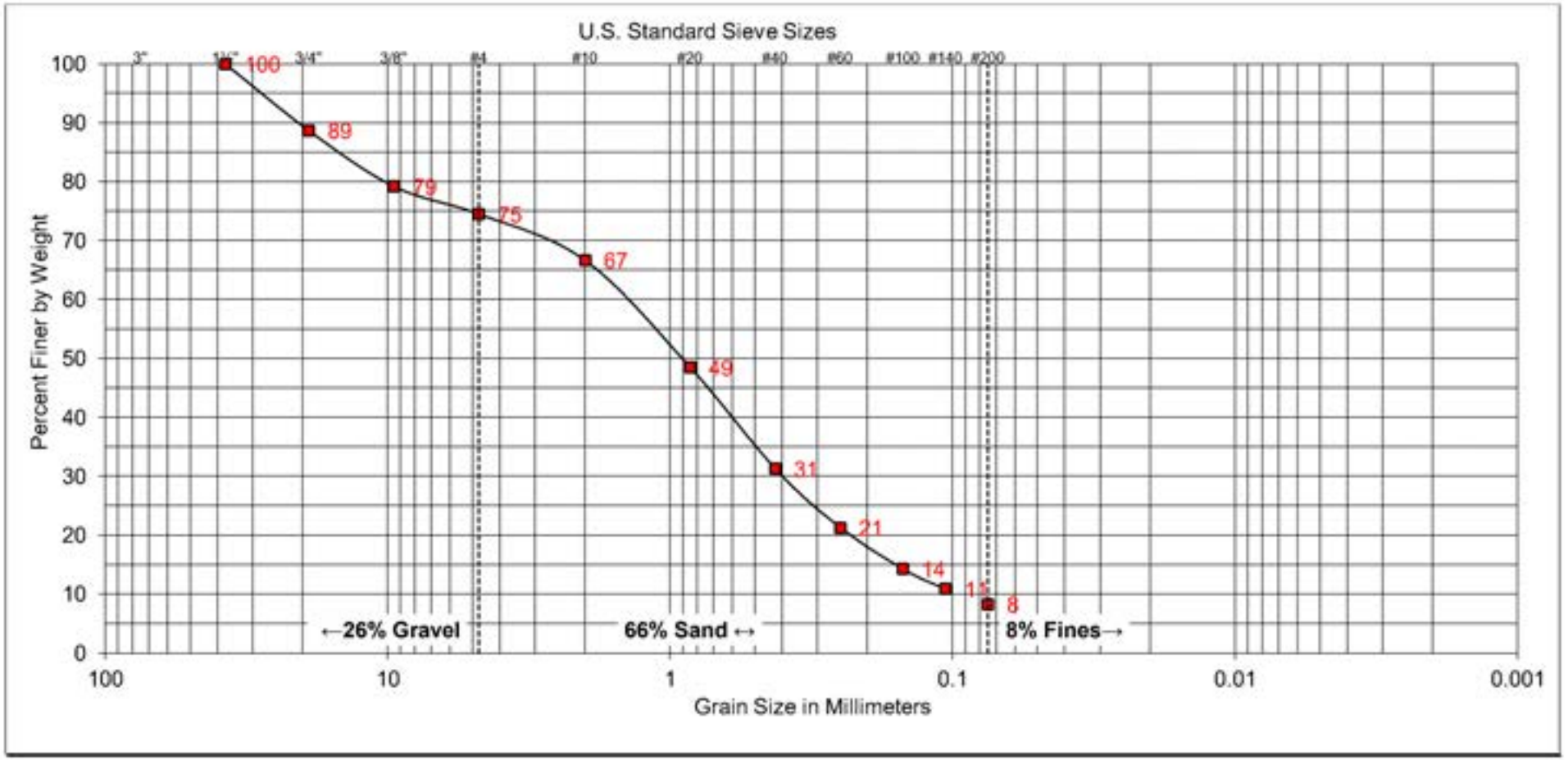
*Note: Gravel factor estimated from pavement section using CTM 301, Section C, Part b.

REV. 2, DATED 1/31/15

GROUP DELTA CONSULTANTS, INC.
ENGINEERS AND GEOLOGISTS
9245 ACTIVITY ROAD, SUITE 103
SAN DIEGO, CALIFORNIA 92126

R-VALUE TEST RESULTS
CT301

Alameda Square Owner
Project No. LA1598
FIGURE B-7



COARSE	FINE	COARSE	MEDIUM	FINE	SILT AND
GRAVEL		SAND			CLAY

B-1
SAMPLE NUMBER: S-1
SAMPLE DEPTH: 25'

UNIFIED SOIL CLASSIFICATION: SW

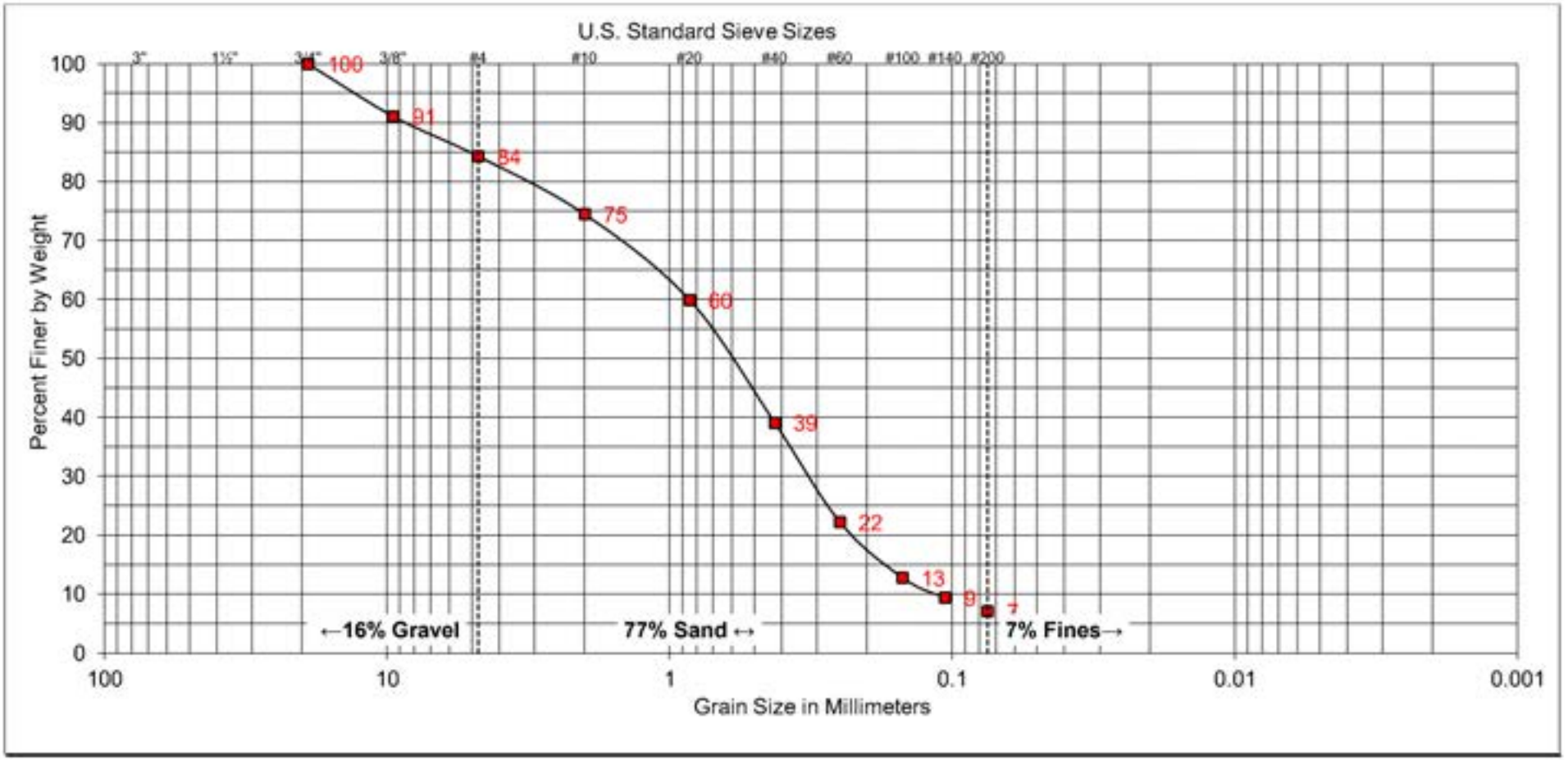
DESCRIPTION: WELL GRADED SAND WITH SILT WITH GRAVEL

ATTERBERG LIMITS	
LIQUID LIMIT:	0
PLASTIC LIMIT:	0
PLASTICITY INDEX:	0

GROUP DELTA

SOIL CLASSIFICATION

Laboratory No. SO6669
Project No. LA1598
FIGURE B-8



COARSE	FINE	COARSE	MEDIUM	FINE	SILT AND
GRAVEL		SAND			CLAY

SAMPLE	B-3
SAMPLE NUMBER:	S-1
SAMPLE DEPTH:	25'

UNIFIED SOIL CLASSIFICATION: SW

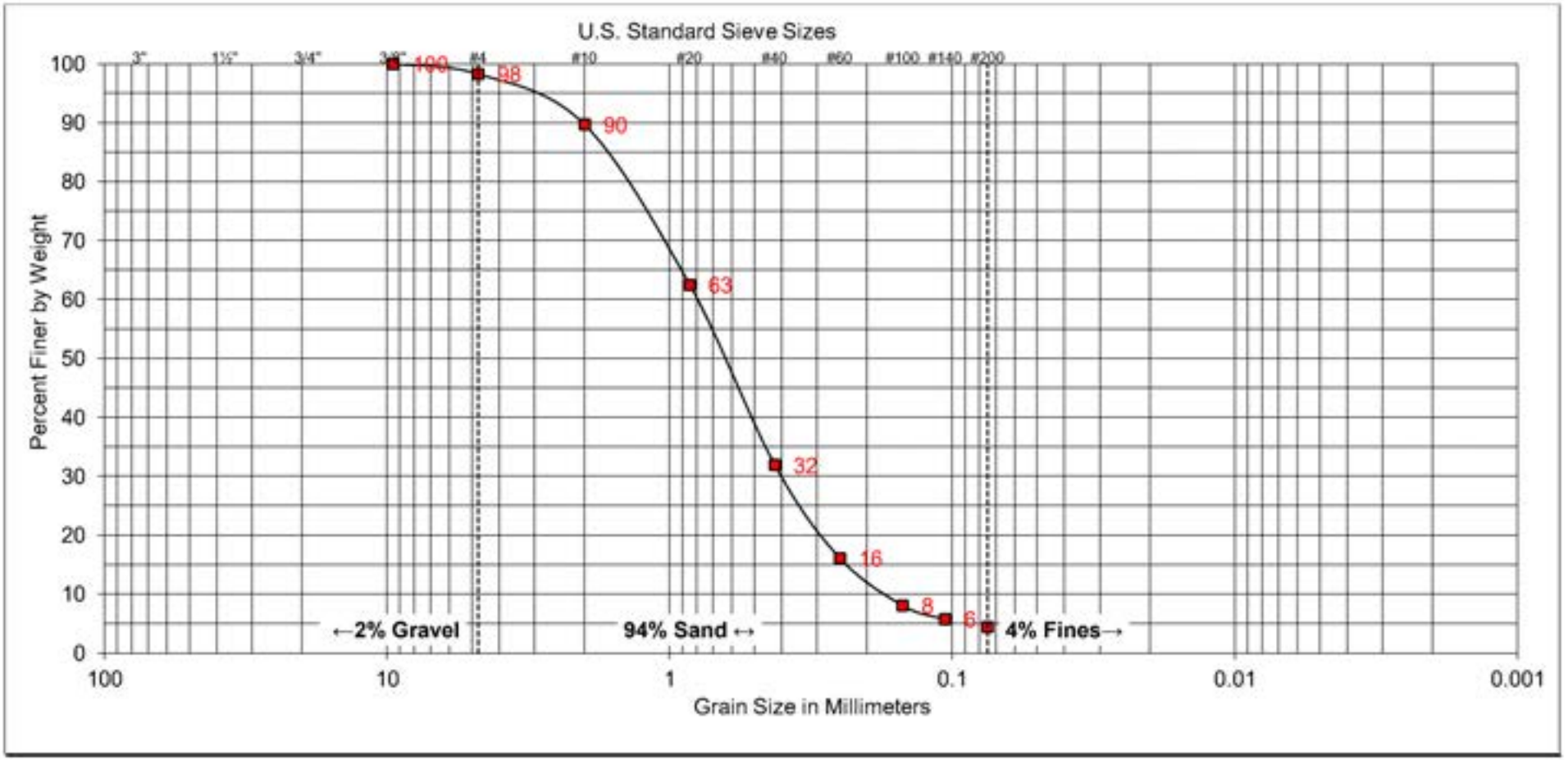
DESCRIPTION: WELL GRADED SAND WITH SILT WITH GRAVEL

ATTERBERG LIMITS	
LIQUID LIMIT:	0
PLASTIC LIMIT:	0
PLASTICITY INDEX:	0

GROUP DELTA

SOIL CLASSIFICATION

Laboratory No. SO6669
Project No. LA1598
FIGURE B-9



COARSE	FINE	COARSE	MEDIUM	FINE	SILT AND
GRAVEL		SAND			CLAY

SAMPLE	B-6
SAMPLE NUMBER:	S-1
SAMPLE DEPTH:	25'

UNIFIED SOIL CLASSIFICATION: SP

DESCRIPTION: POORLY GRADED SAND

ATTERBERG LIMITS	
LIQUID LIMIT:	0
PLASTIC LIMIT:	0
PLASTICITY INDEX:	0

GROUP DELTA

SOIL CLASSIFICATION

Laboratory No. SO6669
Project No. LA1598
FIGURE B-10

Corrosivity Test Results

Table 1 - Laboratory Tests on Soil Samples

Group Delta Consultants
DTLA Row
Your #LA1598, HDR Lab #23-0074LAB
1-Feb-23

Sample ID			B-2 @ 0-5	B-6 @ 0-5	B-7 @ 0-5
Resistivity		**Units**			
as-received		ohm-cm	4,000	17,600	5,200
saturated		ohm-cm	4,000	5,200	4,160
pH			7.9	8.7	8.6
Electrical Conductivity		mS/cm	0.15	0.11	0.15
Chemical Analyses					
Cations					
calcium	Ca^{2+}	mg/kg	94	80	19
magnesium	Mg^{2+}	mg/kg	3.6	4.5	ND
sodium	Na^{1+}	mg/kg	67	39	172
potassium	K^{1+}	mg/kg	16	13	7.3
ammonium	NH_4^{1+}	mg/kg	ND	ND	ND
Anions					
carbonate	CO_3^{2-}	mg/kg	ND	ND	ND
bicarbonate	HCO_3^{1-}	mg/kg	326	226	299
fluoride	F^{1-}	mg/kg	6.7	5.9	4.1
chloride	Cl^{1-}	mg/kg	3.2	6.9	3.4
sulfate	SO_4^{2-}	mg/kg	87	56	82
nitrate	NO_3^{1-}	mg/kg	ND	2.9	1.7
phosphate	PO_4^{3-}	mg/kg	38	24	84
Other Tests					
sulfide	S^{2-}	qual	na	na	na
Redox		mV	na	na	na

Resistivity per ASTM G187, pH per ASTM G51, Cations per ASTM D6919, Anions per ASTM D4327, and Alkalinity per APHA 2320-B.

Electrical conductivity in millisiemens/cm and chemical analyses were made on a 1:5 soil-to-water extract.

mg/kg = milligrams per kilogram (parts per million) of dry soil.

Redox = oxidation-reduction potential in millivolts

ND = not detected

na = not analyzed

Figure B-11

431 West Baseline Road · Claremont, CA 91711
Phone: 909.962.5485 · Fax: 909.626.3316

GREENHOUSE GAS TECHNICAL REPORT

The ROW DTLA Residential Project
Los Angeles, CA

Prepared by:
Eyestone Environmental, LLC

May 2025

TABLE OF CONTENTS

Page

I. INTRODUCTION 1

II. PROJECT LOCATION AND EXISTING USES 1

III. PROJECT DESCRIPTION 2

IV. SCOPE OF WORK 3

V. ENVIRONMENTAL IMPACTS 3

A. Regulatory Framework 3

B. GHG Methodology 3

(1) Consistency with GHG Reduction Plans and Regulations 4

(2) Quantification of Emissions 5

(3) Project GHG Emissions 6

C. Greenhouse Gas Impacts 11

(1) Impact Determination in the Housing Element Program EIR 11

(2) CARB's Climate Change Scoping Plan 19

(3) SCAG 2020–2045 RTP/SCS and 2024–2050 RTP/SCS 27

(4) City of Los Angeles Green New Deal 33

(5) Housing Element Program EIR Policies 34

D. Cumulative Impacts 36

Appendices

Appendix GHG-1 Regulatory Framework

Appendix GHG-2 Methodology

Appendix GHG-3 Greenhouse Gas Worksheets

List of Tables

Page

Table 1 Combined Construction-Related Emissions ($MTCO_2e$) 14

Table 2 Annual GHG Emissions Summary (Year 2032) (metric tons of carbon dioxide equivalent [$MTCO_2e$]) 15

GREENHOUSE GAS TECHNICAL REPORT
FOR
THE ROW DTLA RESIDENTIAL PROJECT

I. Introduction

This Greenhouse Gas (GHG) Emissions Technical Study (Technical Study) has been prepared to evaluate potential construction and operational GHG emissions impacts associated with the ROW DTLA Residential Project (Project) pursuant to the California Environmental Quality Act (CEQA).

The Project is located at 757–787 S. Alameda Street, 1318–1396 E. 7th Street, 736–796 S. Central Avenue, 1301–1327 E. 8th Street, 700–760 S. Market Court, 720–746 S. Terminal Street, and 760 S. Warehouse Street in the Downtown Community Plan area of the City of Los Angeles (City), presently know as ROW DTLA (Project Site). The Project proposes the redevelopment of two existing surface parking lots (Development Area) into a mixed-use development located on the north and south sides of Center Street, on the eastern edge of the Project Site. The Project proposes three eight-story buildings that would provide 1,000 total residential units, including 114 Very Low Income units, and 6,547 square feet of commercial uses. The Project would provide up to 1,092 vehicle parking spaces and approximately 529 bicycle parking spaces. The Project is expected to be completed in 2032.

On November 24, 2021, the City Council certified the Citywide Housing Element 2021–2029 and Safety Element Updates Final Environmental Impact Report (EIR), SCH No. 2021010130, EIR No. ENV-2020-6762-EIR (Program EIR), to adopt the 2021–2029 Citywide Housing Element and the Updates to the Safety Element and the Plan for a Healthy LA (Health Element). Pursuant to CEQA Guidelines Sections 15168(c)(4) and 15168(d), Projects that are found to be within the scope of the program analyzed in the Program EIR and its environmental effects do not require further CEQA documentation. The GHG analysis below confirms that the Project would not result in significant GHG impacts that were not already examined in the Program EIR.

II. Project Location and Existing Uses

The Project Site consists of three large, irregularly shaped parcels that collectively measure approximately 31 acres in size. The Project Site occupies the northern half of the block bounded by E. 7th Street on the north, S. Central Avenue on the west, S. Alameda

Street on the east, and E. Olympic Boulevard to the south, with the partially vacated former E. 8th and Bay streets providing internal access within the middle of the block.

The Project Site is located in an expansive industrial district east of Downtown Los Angeles. The area surrounding the Project Site is primarily developed with warehouses, cold storage facilities, small-scale manufacturing operations, and other industrial uses, though in more recent years newer commercial office, commercial retail, and residential uses have been developed in the vicinity of the Site.

The Project Site is comprised of an industrial complex historically called the Los Angeles Union Wholesale Terminal, previously owned by the Southern Pacific Railroad, which currently encompasses a total of eight buildings, including seven large industrial buildings that were constructed between 1917 and 1923, and a parking garage constructed in 2016 (the District).

The portion of the Project Site along Central Avenue is used as a wholesale produce market and an outdoor weekend market known as Smorgasburg. The middle portion of the Site between 7th and 8th Street supports 46 retailers and restaurants and another 48 office and hybrid office/light manufacturing tenants which span multiple industries including technology, apparel, construction, produce wholesale and consumer goods, with the exception of 747 S. Alameda Street, which is currently vacant. The Project Site also includes a ten-story concrete parking structure that was built in 2016 and is accessed via S. Alameda Street. The parking structure contains approximately 3,884 parking spaces

The Development Area is located within the eastern portion of the Project Site along Alameda Street and is comprised of approximately 4.85 gross acres. The Development Area is currently developed with surface parking.

III. Project Description

The Project includes the development of three buildings containing 1,000 residential units including 114 Low Income Housing units in three buildings and 6,547 square feet of commercial (retail/restaurant) uses within two buildings. Building A would include commercial space at the first floor; 410 residential units at the first through eighth floors; and two levels of subterranean parking. Building B would include 214 residential units at the first through eight floors and two levels of subterranean parking. Building C would include commercial space at the first floor; 376 residential units at the first through eighth floors; and two levels of subterranean parking. The proposed buildings would range from approximately 100 feet to 103 feet in height. Upon completion, 884,278 square feet of new floor would be provided. When accounting for the existing floor area to remain, approximately 2,477,695 square feet of floor area would be provided within the Project Site with a total FAR of 1.86:1.

The Project would include 1,092 vehicular parking spaces. A total of 96,278 square feet of open space would also be provided. The existing uses within the remainder of the Project Site outside of the Development Area will remain and would not be modified by the Project.

IV. Scope of Work

Consistent with the Housing Element Program EIR, the following analysis provides a discussion of global climate change, an evaluation of the Project's consistency with plans adopted for the reduction or mitigation of greenhouse gas (GHG) emissions, an inventory of the GHG emissions that would result from the Project, and an analysis of the potential impact of these GHGs.

Calculation worksheets, assumptions, and model outputs for the GHG analyses are included in Appendix GHG-3.

V. Environmental Impacts

A. Regulatory Framework

There are several plans, regulations, and programs that include policies, requirements, and guidelines regarding GHG emissions at the federal, state, regional, and local levels. These regulations are included as Appendix GHG-1.

B. GHG Methodology

Amendments to Section 15064.4 of the CEQA Guidelines were adopted to assist lead agencies in determining the significance of the impacts of GHG emissions. Consistent with existing CEQA practice, Section 15064.4 gives lead agencies the discretion to determine whether to assess those emissions quantitatively or qualitatively. If a qualitative analysis is used, this section recommends certain factors that may be used in the determination of significance (i.e., extent to which the project may increase or reduce GHG emissions compared to the existing environmental setting; whether the project exceeds an applicable significance threshold; and the extent to which the project complies with regulations or requirements adopted to implement a plan for the reduction or mitigation of GHGs). The amendments do not establish a threshold of significance; rather, lead agencies are granted discretion to establish significance thresholds for their respective jurisdictions, including looking to thresholds developed by other public agencies, or suggested by other experts, such as CAPCOA, so long as any threshold chosen is supported by substantial evidence (see CEQA Guidelines Section 15064.7(c)). The California Natural Resources Agency has also clarified that the CEQA Guidelines amendments focus on the effects of GHG emissions

as cumulative impacts, and that they should be analyzed in the context of CEQA's requirements for cumulative impact analysis (see CEQA Guidelines Section 15064(h)(3)).[1]

The City has not adopted a numerical significance threshold for assessing impacts related to GHG emissions and has not formally adopted a specific local plan for reducing GHG emissions such as a CEQA-qualified Climate Action Plan. In addition, neither SCAQMD, OPR, CARB, CAPCOA, nor any other State or regional agency has adopted a numerical significance threshold for assessing GHG emission that is applicable to the Project. Since there is no applicable adopted or accepted numerical threshold of significance for GHG emissions, the analysis focuses on the Project's consistency with statewide, regional plans, and local initiatives adopted for the purpose of reducing and/or mitigating GHG emissions. The evaluation of consistency with such plans is the sole basis for determining the significance of the Project's GHG emissions-related impacts on the environment.

Notwithstanding, for informational purposes, the analysis also calculates the amount of GHG emissions that would be attributable to the Project using recommended air quality models, as described below. The primary purpose of quantifying the Project's GHG emissions is to satisfy State CEQA Guidelines Section 15064.4(a), which calls for a good-faith effort to describe and calculate emissions. The estimated emissions inventory is also used to determine if there would be a reduction in the Project's incremental contribution of GHG emissions as a result of compliance with regulations and requirements adopted to implement plans for the reduction or mitigation of GHG emissions. However, the significance of the Project's GHG emissions impacts is not based on the amount of GHG emissions resulting from the Project.

(1) Consistency with GHG Reduction Plans and Regulations

The Project's GHG impacts were evaluated by assessing the Project's consistency with applicable statewide, regional, and local GHG reduction plans and strategies. The Project is evaluated for consistency with CARB's 2022 Scoping Plan, SCAG's 2020–2045 RTP/SCS, SCAG's 2024–2050 RTP/SCS, and the City's Green New Deal.

Appendix D, Local Actions, of the 2022 Scoping Plan includes "recommendations intended to build momentum for local government actions that align with the State's climate goals, with a focus on local GHG reduction strategies (commonly referred to as climate action

[1] *See generally California Natural Resources Agency, Final Statement of Reasons for Regulatory Action (December 2009), pp. 11–13, 14, 16; see also Letter from Cynthia Bryant, Director of the Office of Planning and Research to Mike Chrisman, Secretary for Natural Resources, April 13, 2009.*

planning) and approval of new land use development projects, including through environmental review under the California Environmental Quality Act (CEQA)."[2]

OPR encourages lead agencies to make use of programmatic mitigation plans and programs from which to tier when they perform individual project analyses. On a statewide level, the 2022 Scoping Plan provides measures to achieve AB 32 and SB 32 targets.[3] On a regional level, SCAG's 2020–2045 RTP/SCS and 2024–2050 RTP/SCS contains measures to achieve VMT reductions required under SB 375. The City does not have a programmatic mitigation plan to tier from, such as a Greenhouse Gas Emissions Reduction Plan as recommended in the relevant amendments to the CEQA Guidelines. The City's Green New Deal, although a mayoral initiative and not an adopted plan, includes short-term and long-term aspirations pertaining to climate change and this analysis addresses consistency with these strategies and goals. As the City does not have a CEQA-qualified CAP, projects are evaluated for consistency with GHG reduction plans including the Scoping Plan, SCAG's RTP/SCS, and the Green New Deal. Thus, if the Project is designed in accordance with these plans, policies, regulations, and requirements the Project would result in a less than significant impact, because it would be consistent with the overarching State, regional and local plans for GHG reduction (i.e., AB 32).

A consistency analysis is provided and describes the Project's compliance with the policies and objectives outlined in the applicable portions of the 2022 Scoping Plan, the 2020–2045 RTP/SCS, 2024–2050 RTP/SCS and the Green New Deal.

(2) Quantification of Emissions

In view of the above considerations, the Project's total annual GHG emissions have been quantified, taking into account the GHG emission reduction measures that would be incorporated into the Project's design. However, given the lack of a formally adopted numerical significance threshold or a formally adopted local plan for reducing GHG emissions applicable to this Project, the significance of the Project's GHG emissions has been assessed by comparing the Project's consistency with regulatory schemes such as CARB's Scoping Plan, SCAG's 2020–2045 RTP/SCS, SCAG's 2024–2050 RTP/SCS, and the City's Green New Deal, comparable to formally adopted local GHG emission reduction plans, that are designed to reduce GHG emissions by encouraging development located and designed to result in the efficient use of resources.

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[2] *CARB, 2022 Scoping Plan, December 2022, Appendix D, p. 4.*

[3] *See Appendix GHG-1, Regulatory Framework for AB 32 and SB 32 targets.*

This Technical Report quantifies the Project's annual GHG emissions and compares them to a Project without Reduction Features scenario, as defined by CARB's most updated projections for AB/SB 32.[4]

As discussed above, this comparison is being done for informational purposes only and to disclose the relative carbon efficiency of the Project. The Project without Reduction Features scenario does not account for energy efficiency measures beyond Title 24 Building Standards Code or measures to reduce natural gas usage. The determination of the significance of the Project's GHG emissions is focused on the Project's consistency with plans and policies adopted to reduce GHG emissions, as explained in detail below. However, the Project without Reduction Features does take into account certain regulatory measures included in the 2022 Scoping Plan, the 2020–2045 RTP/SCS, the 2024–2050 RTP/SCS, and the Green New Deal.[5]

(3) Project GHG Emissions

The California Climate Action Registry (Climate Registry) General Reporting Protocol provides basic procedures and guidelines for calculating and reporting GHG emissions from a number of general and industry-specific activities.[6] The General Reporting Protocol is based on the "Greenhouse Gas Protocol: A Corporate Accounting and Reporting Standard" developed by the World Business Council for Sustainable Development and the World Resources Institute through "a multi-stakeholder effort to develop a standardized approach to the voluntary reporting of GHG emissions."[7] Although no numerical thresholds of significance have been developed, and no specific protocols are available for land use projects, the General Reporting Protocol provides a basic framework for calculating and reporting GHG emissions from the Project. The information provided in this section is consistent with the General Reporting Protocol's reporting requirements. A detailed discussion of the GHG methodology is included in Appendix GHG-2 of this Technical Report.

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[4] *The comparison to a BAU scenario is not used as a threshold of significance, but is used to provide information and a quantitative metric to measure the Prcject's GHG emissions and level of reductions from Prcject Design Features and characteristics.*

[5] *The CalEEMod model does not account for all regulatory measures in the 2008 Climate Change Scoping Plan and subsequent updates. However, the analysis does take into account reductions due to Pavley I and LCFS as discussed in further detail below.*

[6] *California Climate Action Registry, General Reporting Protocol Version 3.1, January 2009.*

[7] *California Climate Action Registry, General Reporting Protocol Version 3.1, January 2009.*

The General Reporting Protocol and the USEPA recommend the separation of GHG emissions into three categories that reflect different aspects of ownership or control over emissions.[8] They include the following:

- Scope 1: Direct, onsite combustion of fossil fuels (e.g., natural gas, propane, gasoline, and diesel).
- Scope 2: Indirect, offsite emissions associated with purchased electricity or purchased steam or permitted sources (e.g., power plants).
- Scope 3: Indirect emissions associated with other emissions sources, such as third-party vehicles and embodied energy (e.g., energy used to convey, treat, and distribute water and wastewater).[9]

The General Reporting Protocol provides a range of basic calculations methods. However, the General Reporting Protocol calculations are typically designed for existing buildings or facilities. These retrospective calculation methods are not directly applicable to planning and development situations where buildings do not yet exist.

CARB recommends consideration of indirect emissions to provide a more complete picture of the GHG footprint of a facility. Annually reported indirect energy usage raises the awareness of conservation for a facility and provides information to CARB to be considered for future strategies.[10] For example, CARB has proposed requiring the calculation of direct and indirect GHG emissions as part of the AB 32 reporting requirements. Additionally, OPR has noted that lead agencies "should make a good-faith effort, based on available information, to calculate, model, or estimate … GHG emissions from a project, including the emissions associated with vehicular traffic, energy consumption, water usage and construction activities."[11] Therefore, direct and indirect emissions have been calculated for the Project.

A fundamental difficulty in the analysis of GHG emissions is the global nature of existing and cumulative future conditions. Changes in GHG emissions can be difficult to attribute to a particular planning program or project because the planning effort or project

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[8] *USEPA, Greenhouse Gases at EPA, www.epa.gov/greeningepa/greenhouse-gases-epa, accessed January 23, 2025.*

[9] *Embodied energy is a scientific term that refers to the quantity of energy required to manufacture and supply to the point of use a product, material, or service.*

[10] *CARB, Initial Statement of Reasons for Rulemaking, Proposed Regulation for Mandatory Reporting of Greenhouse Gas Emissions Pursuant to the California Global Warming Solutions Act of 2006 (AB 32), Planning and Technical Support Division Emission Inventory Branch, October 19, 2007.*

[11] *OPR Technical Advisory, CEQA and Climate Change: Addressing Climate Change Through California Environmental Quality Act Review, June 2008, p. 5.*

may cause a shift in the locale for some type of GHG emissions (e.g. demolition of an existing building and construction of a new building in another location), rather than causing "new" GHG emissions. As a result, there is frequently an inability to conclude whether a project's GHG emissions represent a net global increase, reduction, or no change in GHGs that would exist if the project were not implemented. The analysis of the Project's GHG emissions is particularly conservative in that it assumes that all of the Project's GHG emissions are new additions to the atmosphere.

The California Emissions Estimator Model (CalEEMod) is a statewide land use emissions computer model designed to provide a uniform platform for government agencies, land use planners, and environmental professionals to quantify potential criteria pollutant and GHG emissions associated with both construction and operations from a variety of land use projects.[12] CalEEMod was developed in collaboration with the air districts of California, who provided data (e.g., emission factors, trip lengths, meteorology, source inventory, etc.) to account for local requirements and conditions. The model is considered by the SCAQMD to be an accurate and comprehensive tool for quantifying air quality and GHG impacts from land use projects throughout California.

(a) Construction

The Project's construction emissions were calculated using CalEEMod Version 2022.1. Details of the modeling assumptions and emission factors are provided in Appendix GHG-2 of this Technical Report. CalEEMod calculates emissions from off-road equipment usage and on-road vehicle travel associated with haul, delivery, and construction worker trips. GHG emissions during construction were forecast based on the construction assumptions included in Appendix GHG-3 of this Technical Report and applying the mobile-source emissions factors derived from CalEEMod.

The calculations of the emissions generated during Project construction activities reflect the types and quantities of construction equipment that would be used to remove existing buildings, grade and excavate the Project Site, construct the proposed buildings and related improvements, and plant new landscaping within the Project Site.

In accordance with SCAQMD's guidance, GHG emissions from construction were amortized (i.e., averaged annually) over the 30-year lifetime of the Project. As impacts from construction activities occur over a relatively short-term period of time, they contribute a relatively small portion of the overall lifetime project GHG emissions. In addition, GHG emission reduction measures for construction equipment are relatively limited. Therefore,

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[12] *SCAQMD, CEQA Air Quality Modeling, www.aqmd.gov/home/rules-compliance/ceqa/air-quality-modeling, accessed January 23, 2025.y*

SCAQMD recommends that construction emissions be amortized over a 30-year project lifetime, so that GHG reduction measures will address construction GHG emissions as part of the operational GHG reduction strategies.[13] Thus, total construction GHG emissions were divided by 30 to determine an annual construction emissions estimate comparable to operational emissions.

(b) Operation

Similar to construction, the SCAQMD-recommended CalEEMod is used to calculate potential GHG emissions generated by existing and new land uses on the Project Site, including area sources, electricity, natural gas, mobile sources, stationary sources (i.e., emergency generators), solid waste generation and disposal, and water usage/wastewater generation. CalEEMod default values for generation/usage rates, GHG emission factors, and greenhouse warming potential (GWP) values were used in the evaluation of operational GHG emissions from the Project.

Area source emissions include landscaping, natural gas combustion (e.g., restaurant cooking), and architectural coating activities. The emissions are based on the size of the land uses (e.g., square footage or dwelling unit), the GHG emission factors for fuel combustion, and the GWP values for the GHGs emitted.

Emissions of GHGs associated with electricity demand are based on the size of the land uses, the electrical demand factors for the land uses, the GHG emission factors for the electricity utility provider, and the GWP values for the GHGs emitted. GHG emissions from electricity use are directly dependent on the electricity utility provider. The Project is located within the Los Angeles Department of Water and Power (LADWP) service area. In this case, GHG intensity factors for LADWP were selected in CalEEMod. The carbon intensity (lbs/MWh) for electricity generation was calculated for the Project buildout year based on LADWP projections for year 2032 (304 lbs. CO_2 per MWh) and for the existing baseline based on LADWP projections for year 2024 (467 lbs. CO_2 per MWh). LADWP's carbon intensity projections also take into account SB 100 and SB 350 RPS requirements for renewable energy.

As with electricity, the emissions of GHGs associated with natural gas combustion are based on the size of the land uses, the natural gas combustion factors for the land uses in units of million British thermal units (MMBtu), the GHG emission factors for natural gas combustion, and the GWP values for the GHGs emitted.

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[13] *SCAQMD, Interim CEQA GHG Significance Threshold for Stationary Sources, Rules and Plans, 2008.*

Mobile source GHG emissions are calculated based on emission factors and an estimate of the Project's annual VMT, which was provided in the Project's Transportation Assessment.[14] As discussed in Transportation Assessment, the Project VMT was derived from the LADOT VMT Calculator. The VMT Calculator was developed by the City and LADOT to comply with SB 743 which requires lead agencies to adopt VMT criteria to determine transportation related impacts. The LADOT-derived VMT values account for the daily and seasonal variations in trip frequency and length associated with new employee and visitor trips to and from the Project Site and other activities that generate a vehicle trip.

Stationary source GHG emissions are based on proposed stationary sources (i.e., emergency generators) that would be provided on the Project Site.

The emissions of GHGs associated with solid waste disposal are based on the Project's proposed land uses, the waste disposal rate for the land uses, the waste diversion rate, the GHG emission factors for solid waste decomposition as provided by CalEEMod, and the GWP values for the GHGs emitted.

The GHG emissions related to water usage and wastewater generation are based on the proposed land uses, the water demand factors, the electrical intensity factors for water supply, treatment, and distribution, electrical intensity factors for wastewater treatment, the GHG emission factors for the electricity utility provider, and the GWP values for the GHGs emitted. CalEEMod uses electricity intensity factors obtained from the 2006 CEC report, "Refining Estimates of Water-Related Energy Use in California" which represent the amount of electricity needed to transport and treat water. Water usage factors were obtained from surveys conducted throughout California for various land uses. Project water consumption GHG emissions were then quantified based on electricity usage and carbon intensity factors specific to electricity providers described above.

The GHG emissions calculations for the Project include credits or reductions for consistency with applicable project design features set forth in this Technical Report. The analysis of Project GHG emissions with project design features at buildout also takes into account actions and mandates already approved and expected to be in force by Project buildout (e.g., 2022 Title 24 Standards, Pavley I Standards, full implementation of California's Statewide RPS beyond current levels of renewable energy, and the California LCFS).[15] It should be noted that GHG reductions due to LCFS are currently not incorporated into CalEEMod. The CalEEMod model incorporates emission factors from CARB's Emission

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[14] *Gibson Transportation Consultants, Inc., Transportation Assessment for The ROW DTLA Residential Prcject, Los Angeles, California, March 2025.*

[15] *Actions and mandates are based on relevant year targets established by AB 32 and the current CARB Scoping Plan.*

FACtor model (EMFAC2021) emission factors, which are based on tailpipe emissions for combustion powered vehicles. The emissions benefits due to LCFS come from the production cycle (upstream emissions) rather than the combustion cycle (tailpipe). As a result, EMFAC2021 emission factors do not include benefits due to LCFS as emission factors are based on tailpipe emissions. As a conservative assumption, GHG emissions reductions resulting from the LCFS updates were not included in the Project's emissions inventory. In addition, as mobile source GHG emissions are directly dependent on the number of vehicle trips, a decrease in the number of Project-generated trips as a result of Project features (e.g., close proximity to transit) would provide a proportional reduction in mobile source GHG emissions compared to a generic project without such locational benefits. Calculation of Project emissions conservatively did not include actions and mandates that are not already in place but are anticipated to be enforced by Project buildout (e.g., Pavley II, which could further reduce GHG emissions from use of light-duty vehicles by 2.5 percent). Similarly, emissions reductions regarding the Cap-and-Trade Program were not included in this analysis. By not speculating on potential regulatory conditions, the analysis takes a conservative approach that likely overestimates the Project's GHG emissions at buildout because the State is expected to continue to implement a number of policies and programs aimed at reducing GHG emissions from the land use and transportation sectors to meet the State's long-term climate goals.

C. Greenhouse Gas Impacts

(1) Impact Determination in the Housing Element Program EIR

Impacts related to GHG were discussed in Section 4.6, Greenhouse Gas, of the Housing Element Program EIR. A summary of the analysis from Section 4.6, Greenhouse Gas, of the Housing Element Program EIR, is provided below.

With regard to Threshold (a), the Housing Element Program EIR (PEIR) did not make a determination of significance. However, the PEIR did provide an estimate of GHG emissions that would result from the Housing Element. The PEIR estimated that the Housing Element would result in 1,089,803 $MTCO_2e$ per year in 2029. Development consistent with the Housing Element would result in a population growth of approximately 1,168,509 persons resulting in an emissions rate per service population of 0.9 $MTCO_2e$ which is below the State per capita goal of 4.1 $MTCO_2e$. However, the PEIR specifically stated that this is not a threshold of significance.

The methodology used in the PEIR to calculate the per capita GHG emissions was based on a plan-level analysis which considers buildout of approximately 420,000 residential units. At a plan-level, the Housing Element Update would result in a reduction in VMT when taking into account development of approximately 420,000 residential units throughout the City. The per capita GHG emissions calculated in the PEIR were based on an incremental

change in trips and VMT when compared to a No Project condition. Based on this methodology, the PEIR concluded that development of approximately 420,000 residential units would result in a citywide reduction in vehicle trips and VMT in comparison to the No Project condition. As presented in Table 4.6-6 of the PEIR, implementation of the Housing Element Update would result in a net decrease in GHG emissions when compared to the No Project condition.

The Housing Element EIR acknowledged that at the individual project level, different methodologies would be used to calculate VMT and per capita GHG emissions. For comparison purposes, per capita GHG emissions were calculated for the Project using similar methodology contained in the Housing Element EIR. Mobile source emissions were conservatively assumed to be zero as implementation of the Housing Element Update would result in a net decrease in mobile source emissions. With regard to Threshold (b), the PEIR determined that the Housing Element Update would be consistent with the statewide programs adopted to achieve the statewide GHG reduction targets outlined in the CARB Scoping Plan, the three primary transportation land use strategies outlined in the SCAG'S Regional Transportation Plan/Sustainable Communities Strategy (RTP/SCS), and the applicable goals in the City's Green New Deal. Therefore, the Housing Element Update would result in less than significant impacts, and no mitigation measures would be required.

Impact Analysis

a. Would the project generate greenhouse gas emissions, either directly or indirectly, that may have a significant impact on the environment?

Less Than Significant Impact.[16] As discussed above, the City has not adopted a numerical significance threshold for assessing impacts related to GHG emissions and has not formally adopted a local plan for reducing GHG emissions. Further, neither SCAQMD, OPR, CARB, CAPCOA, nor other State or regional agencies have not adopted a numerical significance threshold for assessing GHG emission that is applicable to the Project. Since there is no applicable adopted or accepted numerical threshold of significance for GHG emissions, the analysis focuses on the Project's consistency with statewide, regional and local plans adopted for the purpose of reducing and/or mitigating GHG emissions, as discussed under GHG Threshold (b). The evaluation of consistency with such plans is the sole basis for determining the significance of the Project's GHG emissions-related impacts on the environment. Notwithstanding, for informational purposes, this analysis also calculates the amount of GHG emissions that would be attributable to the Project using recommended air quality models, as described below. The estimated emissions inventory is also used to determine if there would be a reduction in the Project's incremental contribution

[16] *The Less Than Significant Impact determination is based on the analysis included under GHG Threshold (b).*

of GHG emissions as a result of compliance with regulations and requirements adopted to implement plans for the reduction or mitigation of GHG emissions. However, the significance of the Project's GHG emissions impacts is not based on the amount of GHG emissions resulting from the Project. A specific discussion regarding potential GHG emissions associated with the construction and operational phases of the Project is provided below.

Construction

GHG emissions from construction activities were forecasted using a reasonable estimate of construction schedule and phasing and applying published GHG emission factors. Construction emissions were calculated using the CalEEMod model. The output values used in this analysis were adjusted to be Project-specific, based on usage rates, type of fuel, and construction schedule. These values were then applied to the construction phasing assumptions used in the criteria pollutant analysis to generate GHG emissions values for each construction year.

Project construction is anticipated to occur over approximately 74 months, with completion anticipated by 2032. It is estimated that grading would require approximately 152,610 cubic yards of soil export.[17] A summary of construction details (e.g., schedule, equipment mix, and vehicular trips) and CalEEMod modeling input assumptions and output files are provided in Appendix GHG-3. The emissions of GHGs associated with construction of the Project were calculated for each year of construction activity. A summary of GHG emissions for each year of construction is presented in Table 1 on page 14.

As presented in Table 1, construction of the Project is estimated to generate a total of 7,829 metric tons of GHGs measured as an equivalent mass of carbon dioxide (CO_2e). As recommended by SCAQMD, the total GHG construction emissions were amortized over the 30-year lifetime of the Project (i.e., total construction GHG emissions were divided by 30 to determine an annual construction emissions estimate that can be added to the Project's operational emissions) in order to determine the Project's annual GHG emissions inventory.[18] Accordingly, when amortized, Project construction would generate an estimated 261 $MTCO_2e$ per year.

Operation

The Project would include new on-site residential and commercial uses. This would result in direct and indirect GHG emissions generated by the increase in vehicular trips, as well as operations associated with the proposed uses, including: (1) building operations:

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[17] *Final earthwork numbers may change based on soil conditions.*

[18] *SCAQMD Governing Board Agenda Item 31, December 5, 2008.*

Table 1
Combined Construction-Related Emissions
($MTCO_2e$)

Year	$MTCO_2e$[a]
2026	1,033
2027	2,422
2028	1,239
2029	631
2030	1,248
2031	1,256
2032	400
Total	**7,829**
Annual Amortized Over 30 Years[b]	**261**

[a] *$MTCO_2e$ = metric tons of an equivalent mass of carbon dioxide. CO_2e was calculated using CalEEMod and the results are provided in Section 2.0 of the Construction CalEEMod output file within Appendix GHG-3 of this Technical Report.*

[b] *As recommended by SCAQMD, the total GHG construction emissions were amortized over the 30-year lifetime of the project (i.e., total construction GHG emissions were divided by 30 to determine an annual construction emissions estimate that can be added to the Project's operational emissions) in order to determine the Project's annual GHG emissions inventory.*

Source: Eyestone Environmental, 2025.

emissions associated with space heating and cooling, water heating, and lighting; (2) water: emissions associated with energy used to pump, convey, treat, deliver, and re-treat water; and (3) solid waste: emissions associated with waste streams (embodied energy of materials). The Project would comply with the requirements of Title 24 and the Los Angeles Green Building Code, which would serve to reduce GHG emissions.

Operational emissions from the sources described above were estimated using CalEEMod in order to determine the net incremental increase in GHG emissions. Mobile source emissions are based on the vehicle emission factors from EMFAC and the Project's daily VMT included as Appendix GHG-3 of this Technical Report. The Project's daily VMT was calculated using the LADOT VMT Calculator. As shown in Table 2 on page 15, the Project, with implementation of the applicable regulatory requirements set forth in Title 24 and Los Angeles Green Building Code, including the use of LED lighting, would result in approximately 5,040 $MTCO_2e$ annually.

As discussed above, per capita GHG emissions calculated for the Housing Element DEIR were based on a plan-level analysis and resulted in a net decrease in mobile source emissions. As the Project would represent a portion of the total residential units to be

Table 2
Annual GHG Emissions Summary (Year 2032)[a]
(metric tons of carbon dioxide equivalent [$MTCO_2e$])

Scope	Project
Area[b]	26
Energy[c]	1,096
Mobile	3,560
Electric Vehicle Charging Credit	(101)
Emergency Generators	69
Solid Waste[d]	53
Water/Wastewater[e]	73
Refrigerant	2
Construction	261
Total Emissions	**5,040**

[a] *CO_2e was calculated using CalEEMod and the results are provided in Section 2.0 of the Operation CalEEMod output file within Appendix GHG-3 of this Technical Report.*
[b] *Area source emissions are from landscape equipment.*
[c] *Energy source emissions are based on CalEEMod default electricity and natural gas usage rates.*
[d] *Solid waste emissions are calculated based on CalEEMod default solid waste generation rates.*
[e] *Water/Wastewater emissions are calculated based on CalEEMod default water consumption rates.*
Source: Eyestone Environmental, 2025.

developed under the Housing Element Update, Project VMT and associated GHG emissions would contribute to the net reduction in GHG emissions based on a plan-level analysis. Based on this methodology, Project mobile source GHG emissions were conservatively assumed to be zero for purposes of calculating the Project's per capita GHG emissions.

The Project could generate a new residential population of approximately 2,354 persons which would result in an emissions rate per service population of 0.6 $MTCO_2e$ and would be less than the 0.9 $MTCO_2e$ goal set forth in the Housing Element. Therefore, the Project would be consistent with the PEIR with regards to per capita GHG emissions. However, as discussed in the PEIR, the service population capita goal is not a threshold of significance.

As pointed out above, there is no adopted numerical significance threshold for assessing impacts related to GHG emissions. The analysis under Threshold (b) below, which includes an evaluation of the Project's consistency with applicable plans, policies, or regulations adopted for the purpose of reduction GHG emissions, is, therefore, used to determine the significance of the Project's GHG emissions-related impacts on the

environment. **Based on the analysis under Threshold (b) below, which determines that the Project would not conflict with an applicable plan, policy or regulation adopted for the purpose of reducing the emissions of greenhouse gases, the Project would not generate greenhouse gas emissions, either directly or indirectly, that may have a significant impact on the environment. As such, the impact under Threshold (a) would be less than significant. In addition, no new or greater significant impacts are anticipated under the Project compared to the Housing Element Update EIR.**

b. Would the project conflict with an applicable plan, policy or regulation adopted for the purpose of reducing the emissions of greenhouse gases?

Less Than Significant Impact. As discussed above, in the absence of a quantifiable significant threshold for Greenhouse Gas Emissions Threshold (a), the following analysis is used to determine significance levels related to Greenhouse Gas Emissions Threshold (a) and Greenhouse Gas Emissions Threshold (b).

In September 2006, Governor Arnold Schwarzenegger signed the California Global Warming Solutions Act of 2006, also known as AB 32, into law. AB 32 commits the State to the following:

- By 2010, reduce to 2000 emission levels;
- By 2020, reduce to 1990 levels; and
- By 2050, reduce to 80 percent below 1990 levels.

AB 32 requires that CARB determine what the statewide GHG emissions level was in 1990 and approve a statewide GHG emissions limit that is equivalent to that level, to be achieved by 2020. Executive Order (EO) B-30-15, which was issued in April 2015 by Governor Brown, requires statewide GHG emissions to be reduced 40 percent below 1990 levels by 2030. SB 32, signed into law in September 2016, codifies the 2030 GHG reduction target in EO B-30-15. CARB also must adopt rules and regulations in an open public process to achieve the maximum, technologically feasible, and cost-effective GHG reductions.[19]

To achieve these goals, AB 32 mandates that CARB establish a quantified emissions cap, institute a schedule to meet the cap, implement regulations to reduce statewide GHG

[19] *Executive Order B-55-18 establishes a new statewide goal to achieve carbon neutrality no later than 2045 and achieve and maintain net negative emissions thereafter. Based on this executive order, CARB would work with relevant State agencies to develop a framework for implementation and accounting that tracks progress towards this goal, as well as ensuring future scoping plans identify and recommend measures to achieve the carbon neutrality goal.*

emissions from stationary sources, and develop tracking, reporting, and enforcement mechanisms to ensure that reductions are achieved.

CARB approved a Climate Change Scoping Plan (2008 Scoping Plan) required by AB 32 in 2008.[20] The 2008 Scoping Plan proposes a "comprehensive set of actions designed to reduce overall carbon GHG emissions in California, improve our environment, reduce our dependence on oil, diversify our energy sources, save energy, create new jobs, and enhance public health."[21] The First Update to the AB 32 Scoping Plan (First Update), released on May 22, 2014, found that California is on track to meet the 2020 emissions reduction mandate established by AB 32 and noted that California could reduce emissions further by 2030 to levels squarely in line with those needed to stay on track to reduce emissions to 80 percent below 1990 levels by 2050 if the State realizes the expected benefits of existing policy goals.[22]

In December 2017, CARB adopted the *2017 Climate Change Scoping Plan Update: The Strategy for Achieving California's 2030 Greenhouse Gas Target* (2017 Update).[23] The 2017 Update builds upon the successful framework established by the 2008 Scoping Plan and the First Update while identifying new, technologically feasible, and cost-effective strategies to ensure that California meets its GHG reduction targets in a way that promotes and rewards innovation, continues to foster economic growth, and delivers improvements to the environment and public health. The 2017 Update includes policies to require direct GHG reductions at some of the state's largest stationary sources and mobile sources. These policies include the use of lower GHG fuels, efficiency regulations, and the Cap-and-Trade Program, which constraints and reduces emissions at covered sources.[24]

The California Attorney General's Office has taken an active role in addressing climate change in CEQA documents. The Attorney General's Office has created and routinely updates a Fact Sheet listing project design features to reduce greenhouse gas emissions.[25] The Attorney General's Office created the Fact Sheet primarily for the benefit of local

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[20] *Climate Change Proposed Scoping Plan was approved by the California Air Resources Board on December 11, 2008.*

[21] *Climate Change Scoping Plan, CARB, December 2008, ww2.arb.ca.gov/our-work/programs/ab-32-climate-change-scoping-plan/2008-scoping-plan-documents, last reviewed April 3, 2013, accessed January 23, 2025.*

[22] *CARB, First Update to the Climate Change Scoping Plan: Building on the Framework, May 2014, p. 34.*

[23] *CARB, 2017 Climate Change Scoping Plan Update: The Strategy for Achieving California's 2030 Greenhouse Gas Target, November 2017.*

[24] *CARB, 2017 Climate Change Scoping Plan Update: The Strategy for Achieving California's 2030 Greenhouse Gas Target, November 2017, p. 6.*

[25] *California Attorney General's Office Fact Sheet, The CEQA—Addressing Global Warming Impacts at the Local Agency Level, revised January 6, 2010.*

agencies processing CEQA documents, noting that "local agencies will help to move the State away from 'business-as-usual' and toward a low-carbon future." The Fact Sheet explains that the listed "measures can be included as design features of a project," but emphasizes that they "should not be considered in isolation, but as part of a larger set of measures that, working together, will reduce greenhouse gas emissions and the effects of global warming."

OPR recommended Amendments to the CEQA Guidelines for GHGs which were adopted on December 30, 2009. CEQA Guidelines Section 15064.4 was adopted to assist lead agencies in determining the significance of the impacts of GHGs. Consistent with the developing practice, this section of the CEQA Guidelines urges lead agencies to quantify GHG emissions of projects where possible and includes language necessary to avoid an implication that a "life-cycle" analysis is required. In addition to quantification, CEQA Guidelines Section 15064.4 recommends consideration of several other qualitative factors that may be used in the determination of significance (i.e., the extent to which the project may increase or reduce GHG emissions compared to the existing environment; whether the project exceeds an applicable significance threshold; and the extent to which the project complies with regulations or requirements adopted to reduce or mitigate GHGs).

CEQA Guidelines Section 15064.4 does not establish a threshold of significance; instead, lead agencies are called on to establish significance thresholds for their respective jurisdictions in which a lead agency may appropriately look to thresholds developed by other public agencies, or suggested by other experts, such as the California Air Pollution Control Officer's Association (CAPCOA), so long as any threshold chosen is supported by substantial evidence.[26] The CEQA Guidelines Amendments also clarify that the effects of GHG emissions are cumulative, and should be analyzed in the context of CEQA's requirements for cumulative impact analyses.[27]

Lead agencies must either establish significance thresholds for their respective jurisdictions or make a determination of significance on a case-by-case basis. The lead agency should use its "careful judgment" in making a determination of significance, and should make a "good-faith" effort to "describe, calculate or estimate" the amount of GHGs that will result from a project.[28,29] The lead agency is given the discretion to select a reasonable model and methodology to quantify GHGs and to rely on a qualitative analysis or performance based standards for its determination.[30] A lead agency should also consider

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[26] *CEQA Guidelines Section 15064.7(c).*

[27] *CEQA Guidelines Section 15130 (1).*

[28] *CEQA Guidelines Section 15064.4(a).*

[29] *CEQA Guidelines Section 15064.4(a).*

[30] *CEQA Guidelines Section 15064.4(a)(1)-(2).*

the following factors, among others, when assessing the significance of impacts from GHGs: (1) the extent to which the project may increase or reduce GHGs; (2) whether the GHG emissions exceed a threshold of significance that the lead agency determines applies to the project; and (3) the extent to which the project complies with regulations or requirements adopted to implement a statewide, regional, local plan for the reduction or mitigation of GHG emissions.[31]

CEQA Guidelines Section 15064 provides that a determination that an impact is not cumulatively considerable may rest on compliance with previously adopted plans or regulations, including plans or regulations for the reduction of GHG emissions.

As discussed above, no applicable numeric significance threshold for GHG emissions has been adopted by the State, SCAQMD, or the City of Los Angeles. Although state, regional, and local plans and policies have been adopted to help address climate change, no current law or regulation would regulate all aspects of the Project's GHG emissions. In the absence of any adopted numeric threshold, the significance of the Project's GHG emissions is evaluated consistent with CEQA Guidelines Section 15064.4(b)(2) by considering whether the Project complies with applicable plans, policies, regulations and requirements adopted to implement a statewide, regional, or local plan for the reduction or mitigation of greenhouse gas emissions. For this Project, this analysis considers consistency with regulations or requirements set forth by the 2022 Scoping Plan, SCAG's 2020–2045 RTP/SCS, 2024–2050 RTP/SCS (RTP/SCS), and the City's Green New Deal.

A significant impact would occur if the Project would generate GHG emissions, either directly or indirectly, that may have a significant impact on the environment by conflicting with applicable regulatory plans and policies to reduce GHG emissions as discussed within CARB's Scoping Plan and subsequent updates, SCAG's 2020–2045 RTP/SCS, SCAG's 2024–2050 RTP/SCS, and the City's Green New Deal. The analysis below describes the extent to which the Project complies with or exceeds the performance-based standards included in the regulations outlined in these plans. As shown herein, the Project would be consistent with the applicable GHG reduction plans and policies.

(2) CARB's Climate Change Scoping Plan

The Scoping Plan is a strategy CARB develops and updates at least once every five years, as required by AB 32. It lays out the transformations needed across various sectors to reduce GHG emissions and reach the State's climate targets. CARB published the Final 2022 Scoping Plan for Achieving Carbon Neutrality (2022 Scoping Plan Update) in November 2022, as the third update to the original plan that was adopted in 2008. The initial

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[31] *CEQA Guidelines Section 15064.4(b).*

Scoping Plan laid out a path to achieve the AB 32 2020 limit of returning to 1990 levels of GHG emissions, a reduction of approximately 15 percent below business as usual activities.[32] The 2008 Scoping Plan included a mix of incentives, regulations, and carbon pricing, laying out the portfolio approach to addressing climate change and clearly making the case for using multiple tools to meet California's GHG targets. The 2013 Scoping Plan Update assessed progress toward achieving the 2020 limit and made the case for addressing short-lived climate pollutants (SLCPs).[33] The second update, the 2017 Scoping Plan Update,[34] shifted focus to the newer Senate (SB) 32 goal of a 40 percent reduction below 1990 levels by 2030 by laying out a detailed cost-effective and technologically feasible path to this target, and also assessed progress toward achieving the AB 32 goal of returning to 1990 levels by 2020. The 2020 goal was ultimately reached in 2016, four years ahead of the schedule called for under AB 32.

The 2022 Scoping Plan Update is the most comprehensive and far-reaching Scoping Plan developed to date. It identifies a technologically feasible, cost-effective, and equity-focused path to achieve carbon neutrality by 2045 and to reduce anthropogenic GHG emissions to at least 85 percent below 1990 levels, while also assessing the progress California is making toward reducing its GHG emissions by at least 40 percent below 1990 levels by 2030, as called for in SB 32 and laid out in the 2017 Scoping Plan.[35] The 2030 target is an interim but important stepping stone along the critical path to the broader goal of deep decarbonization by 2045. The relatively longer path assessed in the 2022 Scoping Plan Update incorporates, coordinates, and leverages many existing and ongoing efforts to reduce GHGs and air pollution, while identifying new clean technologies and energy. Given the focus on carbon neutrality, the 2022 Scoping Plan Update also includes discussion for the first time of the natural and working land sectors as sources for both sequestration and carbon storage, and as sources of emissions as a result of wildfires.

The 2022 Scoping Plan Update reflects existing and recent direction in the Governor's Executive Orders and Statutes, which identify policies, strategies, and regulations in support of and implementation of the Scoping Plan. Among these include Executive Order B-55-18 and AB 1279 (The California Climate Crisis Act), which identify the 2045 carbon neutrality and GHG reduction targets required for the Scoping Plan. Included in Table 1-1 of the 2022 Scoping Plan is a summary of major climate legislation and executive orders issued since the adoption of the 2017 Scoping Plan.

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[32] *CARB. 2008. Climate Change Scoping Plan.*

[33] *CARB. 2014. First Update to the Climate Change Scoping Plan.*

[34] *CARB. 2017. California's 2017 Climate Change Scoping Plan.*

[35] *CARB, California's 2017 Climate Change Scoping Plan, 2017.*

Achieving the targets described in the 2022 Scoping Plan Update will require continued commitment to and successful implementation of existing policies and programs and identification of new policy tools and technical solutions to go further, faster. California's Legislature and state agencies will continue to collaborate to achieve the state's climate, clean air, equity, and broader economic and environmental protection goals. It will be necessary to maintain and strengthen this collaborative effort, and to draw upon the assistance of the federal government, regional and local governments, tribes, communities, academic institutions, and the private sector to achieve the state's near-term and longer-term emission reduction goals and a more equitable future for all Californians. The Scoping Plan acknowledges that the path forward is not dependent on one agency, one state, or even one country. However, the State can lead by engaging Californians and demonstrating how action at the state, regional, and local levels of governments, as well as action at community and individual levels, can contribute to addressing the challenge.

Aligning local jurisdiction action with state-level priorities to tackle climate change and the outcomes called for in the 2022 Scoping Plan Update is identified as critical to achieving the statutory targets for 2030 and 2045. The 2022 Scoping Plan Update discusses the role of local governments in meeting the State's GHG reductions goals. Local governments have the primary authority to plan, zone, approve, and permit how and where land is developed to accommodate population growth, economic growth, and the changing needs of their jurisdictions. They also make critical decisions on how and when to deploy transportation infrastructure, and can choose to support transit, walking, bicycling, and neighborhoods that do not force people into cars. Local governments also have the option to adopt building ordinances that exceed statewide building code requirements and play a critical role in facilitating the rollout of ZEV infrastructure. As a result, local government decisions play a critical role in supporting state-level measures to contain the growth of GHG emissions associated with the transportation system and the built environment—the two largest GHG emissions sectors over which local governments have authority. The City has taken the initiative in combating climate change by developing programs and regulations such as the City's Green New Deal and Green Building Code.

Appendix D, Local Actions, of the 2022 Scoping Plan Update includes "recommendations intended to build momentum for local government actions that align with the State's climate goals, with a focus on local GHG reduction strategies (commonly referred to as climate action planning) and approval of new land use development projects, including through environmental review under the California Environmental Quality Act (CEQA)." (Page 4 of Appendix D.) The State encourages local governments to adopt a CEQA-qualified CAP addressing the three priority areas (transportation electrification, VMT reduction, and building decarbonization). However, as not all jurisdictions have sufficient resources (e.g., technical expertise, staffing, funding) to do so, jurisdictions that wish to take meaningful climate action (such as preparing a non-CEQA-qualified CAP or as individual measures) aligned with the State's climate goals in the absence of a CEQA-qualified CAP should also

look to the three priority areas when developing local climate plans, measures, policies, and actions. "By prioritizing climate action in these three priority areas, local governments can address the largest sources of GHGs within their jurisdiction." (Page 9 of Appendix D.)

The State also recognizes in Appendix D, Local Actions, of the Scoping Plan that each community or local area has distinctive situations and local jurisdictions must balance the urgent need for housing[36] while demonstrating that a Project is in alignment with the State's Climate Goals. The State calls for the climate crisis and the housing crisis to be confronted simultaneously. Jurisdictions should avoid creating targets that are impossible to meet as a basis to determine significance. Ultimately, targets that make it more difficult to achieve statewide goals by prohibiting or complicating projects that are needed to support the State's climate goals, like infill development, low-income housing, or solar arrays, are not consistent with the State's goals. The State also recognizes the lead agencies' discretion to develop evidence-based approaches for determining whether a project would have a potentially significant impact on GHG emissions.

To assist local jurisdictions, the 2022 Scoping Plan Update presents a non-exhaustive list of impactful GHG reduction strategies that can be implemented by local governments within the three priority areas (Priority GHG Reduction Strategies for Local Government Climate Action Priority Areas), which include Transportation Electrification, VMT Reduction, and Building Decarbonization.[37] A detailed assessment of how the Project would be consistent with the applicable goals, plans, and policies implemented by the City to support the GHG reduction strategies in the three priority areas is provided below.

Transportation Electrification

Convert local government fleets to zero-emission vehicles (ZEV): The City's Green New Deal (Sustainable City pLAn 2019) identifies a number of measures to reduce VMT and associated GHG emissions. Such measures that would support the local reduction strategy include converting all city fleet vehicles to zero emission where technically feasible by 2028. Starting in 2021, all vehicle procurement was required to follow a "zero emission first" policy for City fleets. The Green New Deal also establishes a target to increase the percentage of zero emission vehicles to 25 percent by 2025, 80 percent by 2035 and 100 percent by 2050. In order to achieve this goal, the City would build 20 publicly available Fast Charging Plazas throughout the City. The City would also install 28,000 publicly available chargers by 2028 to encourage adoption of ZEVs.

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[36] *The State recognizes the need for 2.5 million housing units over the next eight years, with one million being affordable units. See page 20, Appendix D, 2022 Scoping Plan Update, November 2022.*

[37] *Table 1 of Appendix D, 2022 Scoping Plan Update, November 2022.*

The City's goals of converting the municipal fleet to zero emissions and installation of EV chargers throughout the City would be consistent with the Scoping Plan goals of transitioning to EVs. Although this measure mainly applies to City fleets, the Project would not conflict with these goals by installing EV chargers in at least 10 percent of total proposed residential parking spaces. Installation of additional EV chargers would encourage adoption of EVs.

Create a jurisdiction-specific ZEV ecosystem to support deployment of ZEVs statewide: The State has adopted AB 1236 and AB 970, which require cities to adopt streamline permitting procedures for EV charging stations. As a result, the City updated Section IX of the LAMC, Ordinance No. 187,719, which requires most new construction to designate 30 percent of new parking spaces as capable of supporting future EVSE. However, CALGreen 2022 has been updated to require 40 percent of total residential parking spaces be constructed as EV capable.[38] The City's ordinance also requires new residential construction to install EVSE at 10 percent of total residential parking spaces, which is consistent with CALGreen 2022 requirements. The City has also implemented programs to increase the amount of EV charging on city streets, EV carshare, and incentive programs for apartments to be retrofitted with EV chargers.

The City's goals of installing EV chargers throughout the City would be consistent with the Scoping Plan goals of transitioning to EVs. In addition, the Project would comply with the City's electric vehicle (EV) charging station ordinance, which includes the provision of at least 40 percent of residential parking spaces provided on the Project Site that are capable of supporting future electric vehicle supply equipment (EVSE) with 10 percent of the residential parking spaces equipped with EVSE to create electric vehicle (EV) charging stations.

VMT Reduction

Reduce or eliminate minimum parking standards in new developments and Implement parking pricing or transportation demand management pricing strategies: The City of Los Angeles Mobility Plan 2035 (Mobility Plan), which is the Transportation Element of the City's General Plan, contains measures and programs related to VMT reduction throughout the City. With regard to parking standards, Mobility Plan Program No. PK.13 and AB 2097 would reduce parking requirements for developments near transit (within half a mile), while Program No. PK.3 would allow for individualized parking requirements where businesses can identify parking demand and can reduce on-site parking with TDM strategies. These reduction strategies would serve to reduce minimum parking standards in order to reduce vehicle trips.

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[38] *California Green Building Standards Code. Supplement Part 11. July 1, 2024.*

The Project would also implement TDM strategies that include providing bicycle parking to support alternative modes of transportation. Therefore, the Project would be consistent with and would not conflict with this reduction strategy to reduce parking standards.

Implement Complete Streets policies and investments, consistent with general plan circulation element requirements: The Mobility Plan established a "Complete Streets" planning framework which resulted in the City of Los Angeles Complete Streets Design Guide in 2015 consistent with California's Complete Streets Act of 2008. A supplemental update to the Complete Streets Design Guide was adopted in 2020. The Complete Streets Design Guide provides a number of measures to increase public access to electric shuttles, car sharing and walking. The Design Guide establishes guidelines for establishing on-street parking for car sharing. The City has also established BlueLA which is a car sharing network consisting of more than 100 electric vehicles located throughout the City. In addition, under the Green New Deal, the City would install 28,000 publicly available chargers by 2028 and introduce 135 new electric DASH buses.

This reduction strategy mainly applies to City traffic circulation. However, the Project would conform to all design element requirements which may affect public rights-of-way, including proper driveway alignment, adequate sidewalk widths, improved lighting elements, and landscaping design which does not hinder sight distance, mobility, or accessibility. Therefore, the Project would not conflict with implementation of Complete Streets policies.

Increase access to public transit by increasing density of development near transit, improving transit service by increasing service frequency, creating bus priority lanes, reducing or eliminating fares, microtransit, etc.; increase public access to clean mobility options by planning for and investing in electric shuttles, bike share, car share, and walking; amend zoning or development codes to enable mixed-use, walkable, transit-oriented, and compact infill development (such as increasing the allowable density of a neighborhood): These reduction strategies are supported through implementation of SB 375 which requires integration of planning processes for transportation, land-use and housing and generally encourages jobs/housing proximity, promotes transit-oriented development (TOD), and encourages high-density residential/ commercial development along transit corridors. To implement SB 375 and reduce GHG emissions by correlating land use and transportation planning, SCAG adopted the 2020–2045 RTP/SCS, also referred to as Connect SoCal. The 2020–2045 RTP/SCS' "Core Vision" prioritizes the maintenance and management of the region's transportation network, expanding mobility choices by co-locating housing, jobs, and transit, and increasing investment in transit and complete streets. The City has developed the Complete Streets Design Guide which provides a number of reduction strategies to increase public access to electric shuttles, car sharing and walking. In implementing the Mobility Plan, the City continues to build out networks for pedestrians, bicyclists, and transit users, has

implemented an EV car sharing network, and is working towards increasing publicly available chargers, and introducing new electric DASH buses.

The Project would represent an infill development within an existing urbanized area that would concentrate new development consistent with the overall growth pattern encouraged in the RTP/SCS. The Project's convenient access to public transit and opportunities for walking and biking would result in a reduction of vehicle trips, VMT, and GHG emissions. Specifically, the Project Site is located in a transit-rich neighborhood serviced by the Los Angeles County Metropolitan Transportation Authority (Metro) and LADOT bus lines within a City-designated TPA and SCAG-designated HQTA under the 2020–2045 RTP/SCS and SCAG-designated Priority Development Area (PDA [i.e., Neighborhood Mobility Area (NMA), Livable Corridor, Transit Priority Area(TPA)]) under the 2024–2050 RTP/SCS.[39] In addition, the Project Site's proximity to a variety of commercial uses and services would encourage residents and employees of the Project Site to walk to nearby destinations to meet their shopping needs, thereby reducing VMT and GHG emissions. Therefore, the Project would be consistent with these reduction strategies.

California continues to experience a severe housing shortage. The State must plan for more than 2.5 million residential units over the next eight years, and no less than one million of those residential units must be affordable to lower-income households.[40] This represents more than double the housing planned for during the last eight years.[41] The housing crisis and the climate crisis must be confronted simultaneously, and it is possible to address the housing crisis in a manner that supports the State's climate and regional air quality goals.[42] CAPCOA's Handbook for Analyzing Greenhouse Gas Emission Reductions, Assessing Climate Vulnerabilities, and Advancing Health and Equity (CAPCOA's Handbook) provides a VMT reduction measurement for incorporation of low-income housing. Measure T-4 (Integrate Affordable and Below Market Rate Housing) shows a 28.6 percent reduction in VMT for low-income units in comparison to market rate units.

The City's Housing Element of the General Plan provides planning guidance in meeting housing needs identified in the SCAG Regional Housing Needs Assessment (RHNA). The current RHNA goal for affordable housing within the City is approximately forty percent of new construction. However, the City's projections show affordable housing comprising twenty percent of new construction, which falls short of the forty percent RHNA

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[39] *SCAG, 2024-2054 RTP/SCS, April 2024, Map 3.4 Priority Development Areas.*

[40] *California Department of Housing and Community Development. 2022. Statewide Housing Plan.*

[41] *Ibid.*

[42] *Elkind, E. N., Galante, C., Decker, N., Chapple, K., Martin, A., & Hanson, M. 2017. Right Type, Right Place: Assessing the Environmental and Economic Impacts of Infill Residential Development through 2030. Available at https://ternercenter.berkeley.edu/research-and-policy/right-type-right-place/.*

goal. In order to address this shortfall, the Housing Element identifies measures to encourage development of affordable housing such as revising density bonuses for affordable housing; identifying locations which are ideal for funding programs to meet low-income housing goals; and rezoning areas to encourage low-income housing. The Housing Element estimates that implementation of these measures would increase housing production at all income ranges compared to previous cycles.

The City's 40-percent goal of low-income housing for new construction is applicable on a citywide basis and not applicable to an individual project. The Planning Department's Housing Division found, based on market studies and experiences of other agencies, that mandating 20-percent affordable housing on individual projects is likely to reduce overall housing production, including low income housing, in the City and would be contrary to City and State policies. Pushing more housing outside of the City would be contrary to the Scoping Plan, as infill housing production in the City, which is a highly urbanized city with billions of dollars in transit infrastructure investments, and lower average VMT than the SCAG region, is called for in the 2022 Scoping Plan.

The Project would include up to 1,000 residential units comprised of 886 market rate units and 114 Very Low Income units, representing approximately 11.4 percent of the total proposed residential units. The Project represents an infill development in a highly urbanized area that is served by existing utilities and public services. Moreover, the Project is consistent with transit-supportive densities meeting the minimum requirement of 20 dwelling units per acre with a Project density of 183 dwelling units per acre.[43] The Project's affordable units would serve to support the City in its goal of increasing low-income housing for new construction on a citywide basis and would support reducing VMT.

Building Decarbonization

Adopt all-electric new construction reach codes for residential and commercial uses: The City has adopted an All-Electric Buildings Ordinance effective April 1, 2023, which will reduce GHG emissions related to natural gas combustion. Under this ordinance, all building permit applications for newly constructed buildings will be required to be all-electric with some exceptions such as cooking within restaurant uses. Space heating, water heating and cooking for non-restaurant uses would be required to be powered by electricity. In future years, the LADWP will be required to increase the amount of renewable energy in the power mix to comply with SB 100 requirements. The combination of the All-Electric ordinance and increasing availability of renewable energy will serve to reduce GHG emissions from sources traditionally powered by natural gas.

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[43] *The minimum density for transit-supportive development is 20 residential du per acre.*

While this reduction strategy applies to the City, the Project would be required to comply with the City's All-Electric Building Ordinance and would not use natural gas except for cooking purposes in the restaurant uses which are exempt from the All-Electric Ordinance and would consist of a small portion of the total square footage. Therefore, the Project would be consistent and not conflict with the City's All-Electric Building Ordinance.

Adopt policies and incentive programs to implement energy efficiency retrofits for existing buildings, such as weatherization, lighting upgrades, and replacing energy-intensive appliances and equipment with more efficient systems (such as Energy Star-rated equipment and equipment controllers): This reduction strategy would support the Scoping Plan action regarding electrification of appliances in existing residential buildings (see Table 2-1 of the Scoping Plan). The City and Los Angeles Department of Water and Power (LADWP) have established rebate programs to promote use of energy-efficient products and home upgrades. Under LADWP's Consumer Rebate Program (CRP), residential customers would receive rebates for energy-efficient upgrades such as Cool Roofs, Energy Star Windows, HVAC upgrades, pool pumps and insulation upgrades. Such upgrades would serve to reduce wasteful energy and water usage and associated GHG emissions.

While this reduction strategy applies to the City, Project buildings will be designed and constructed in accordance with the LAMC and would include, as applicable, highly efficient HVAC systems; energy-efficient wall insulation and glazing units; and Energy Star–labeled appliances. Moreover, the Project would include energy saving technologies and appliances, water-efficient plantings with drought-tolerant species, and pedestrian- and bicycle-friendly design with short-term and long-term bicycle parking. Therefore, the Project would be consistent with and would not conflict with policies to implement energy efficiency retrofits.

(3) SCAG 2020–2045 RTP/SCS and 2024–2050 RTP/SCS

SCAG's 2020–2045 RTP/SCS, adopted on September 3, 2020, presents a long-term transportation vision through the year 2040 for the six-county region of Imperial, Los Angeles, Orange, Riverside, San Bernardino, and Ventura Counties. The vision for the region incorporates a range of best practices for increasing transportation choices, reducing dependence on personal automobiles, further improving air quality, and encouraging growth in walkable, mixed-use communities with ready access to transit infrastructure and employment. More and varied housing types and employment opportunities would be located in and near job centers, transit stations and walkable neighborhoods where goods and services are easily accessible via shorter trips. To support shorter trips, people would have the choice of using neighborhood bike networks, car share or micro-mobility services like shared bicycles or scooters. For longer commutes, people would have expanded regional transit services and more employer incentives to carpool or vanpool. Other longer

trips would be supported by on-demand services such as microtransit, carshare, and citywide partnerships with ride hailing services. For those that choose to drive, hotspots of congestion would be less difficult to navigate due to cordon pricing, and using an electric vehicle will be easier thanks to an expanded regional charging network.

The goals and policies of SCAG's 2020–2045 RTP/SCS that focus on reducing VMT feature transportation and land use planning that include building infill projects, locating residents closer to where they work and play, and designing communities such that there is access to high quality transit service. Priority Growth Areas, which include HQTAs, Job Centers, TPAs, Livable Corridors, and Spheres of Influence (SOIs), will account for less than 4 percent of regional total land but are projected to accommodate 64 percent of future household growth and 74 percent of employment growth between 2020 and 2045. The 2020–2045 RTP/SCS overall land use pattern reinforces the trend of focusing new housing and employment in the region's PGAs, including HQTAs. HQTAs are a cornerstone of land use planning best practice in the SCAG region because they concentrate roadway repair investments, leverage transit and active transportation investments, reduce regional life cycle infrastructure costs, improve accessibility, create local jobs, and have the potential to improve public health and housing affordability.

The 2024–2050 RTP/SCS does not use the HQTA designation as part of its Priority Development Areas (previously referred to as Priority Growth Areas), however, the project is located within a NMA, Livable Corridor, and TPA.[44] Neighborhood Mobility Areas include four elements that reflect potential to improve, restore and enhance safe and convenient connections to schools, hospitals, shopping, services, places of worship, parks, greenways and other destinations including: 1) intersection density, 2) low-speed streets, 3) land use diversity, and 4) accessibility to amenities within one mile using street network distances. Livable Corridors are defined as areas where local jurisdictions can plan and zone for increased density at nodes along key corridors and redevelop single-story underperforming retail with well-designed, higher-density housing and employment centers. TPAs are areas within one half mile of existing or planned major transit stops in the region. The Project is also located within a High Quality Transit Corridor (HQTC) per CA Public Resource Code Section 21155(b). The Project would improve mobility and accessibility, encourage transit use, and reduce VMT by intensifying urban density within a PDA and HQTC in proximity to transit and destinations; providing complementary new uses (i.e., multi-family residential and commercial uses) in proximity to other existing residential, office and retail uses; providing pedestrian and bicycle improvements; and implementing TDM strategies to reduce single-occupant travel.

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[44] *SCAG, 2024-2054 RTP/SCS, April 2024, Map 3.4 Priority Development Areas.*

The 2020–2045 RTP/SCS and 2024–2050 RTP/SCS are expected to reduce per capita transportation emissions by 19 percent by 2035, which is consistent with SB 375 compliance with respect to meeting the State's GHG emission reduction goals.[45] Due to fuel economy and efficiency improvements, GHG emission rates of model year 2017 vehicles have decreased by 15 to 20 percent when compared to model year 2008 and earlier vehicles. However, for purposes of SB 375 emissions reduction targets, the fuel economy improvements have been largely excluded from the reduction calculation. The SB 375 target focuses on the amount of vehicle travel per capita.

In addition to demonstrating the region's ability to attain and exceed the GHG emission-reduction targets set forth by CARB, the 2020–2045 RTP/SCS and 2024–2050 RTP/SCS outline a series of actions and strategies for integrating the transportation network with an overall land use pattern that responds to projected growth, housing needs, changing demographics, and transportation demands. Thus, successful implementation of the 2020–2045 RTP/SCS and 2024–2050 RTP/SCS would result in more complete communities with a variety of transportation and housing choices, while reducing automobile use.

Regarding individual developments, such as the Project, the strategies and policies set forth in the 2020–2045 RTP/SCS and 2024–2050 RTP/SCS can be grouped into the following three categories: (1) reduction of vehicle trips and VMT; (2) increased use of alternative fuel vehicles; and (3) improved energy efficiency. The Project's consistency with these general categories of strategies and policies are each discussed below.

Consistency with Integrated Growth Forecast

The 2020–2045 RTP/SCS states that the SCAG region was home to about 18.8 million people in 2016 and currently includes approximately 6.0 million homes and 8.4 million jobs.[46] By 2045, the integrated growth forecast projects that these figures will increase by 3.7 million people, with nearly 1.6 million more homes and 1.6 million more jobs. HQTAs will account for 3 percent of regional total land but are projected to accommodate 46 percent and 50 percent of future household and employment growth respectively between 2012 and 2040. The overall land use pattern in the 2020–2045 RTP/SCS reinforces the trend of focusing new housing and employment in the region's HQTAs. HQTAs are a cornerstone of land use planning best practices in the SCAG region because they concentrate roadway repair investments, leverage transit and active transportation investments, reduce regional

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45 *SCAG, Final 2020–2045 RTP/SCS, Making Connections, p. 5, May 7, 2020.*

46 *2020–2045 RTP/SCS population growth forecast methodology includes data for years 2010, 2010, 2016, and 2045.*

life cycle infrastructure costs, improve accessibility, create local jobs, and have the potential to improve public health and housing affordability.

The 2024–2050 RTP/SCS states that the SCAG region was home to about 18.8 million people in 2019 and currently includes approximately 6.2 million homes and 9.0 million jobs.[47] By 2050, the population of the region is projected in the Plan to increase by two million people, or 11 percent, with an increase of 1.6 million housing units, or 26 percent, and 1.3 million jobs, or 14.2 percent.[48] TPAs, NMAs, and Livable Corridors will account for 8.2 percent of regional total land but are projected to accommodate 66 percent and 54 percent of future household and employment growth respectively between 2019 and 2050. The overall land use pattern in the 2024–2050 RTP/SCS reinforces the trend of focusing new housing and employment in the region's PDAs, specifically Livable Corridors and NMAs. Livable Corridors are a cornerstone of land use planning best practices in the SCAG region because they concentrate roadway repair investments, leverage transit and active transportation investments, reduce regional life cycle infrastructure costs, improve accessibility, create local jobs, and have the potential to improve public health and housing affordability. Additionally, NMA's focus on reducing single occupancy vehicles and encouraging a complete streets approach in areas with a high number of intersections, low observed travel speed, high mix of uses and high accessibility to "everyday" destinations.

The Project includes the development of three buildings containing 1,000 residential units including 114 Low Income Housing units in three buildings and 6,547 square feet of commercial (retail/restaurant) uses within two buildings. Upon completion, 884,278 square feet of new floor would be provided. The Project would increase the residential population as well as the daytime population (employees) within the Project Site. Specifically, based on the City's VMT Calculator Documentation, the Project could generate a new residential population of approximately 2,354 residents. The Project's 6,547 square feet of ground-floor commercial space would generate approximately 26 net new employees based on employee generation rates developed by the LADOT. With regard to consistency with growth projections of the 2020–2045 RTP/SCS, the Project would represent approximately 2.36 percent of the projected population growth in the SCAG region between 2024 and 2032 (i.e., the Project's baseline and buildout years) and approximately 0.03 percent of the projected employment growth in the SCAG Region between 2024 and 2032.[49,50] This increase in population and employees would be well within the existing population and employment projections for the community and region and would be able to be

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[47] *2020–2045 RTP/SCS population growth forecast methodology includes data for years 2010, 2010, 2016, and 2045.*

[48] *SCAG, 2024-2054 RTP/SCS, April 2024, Page 12*

[49] *Project Residents (2,354) / City population increase (99,600) * 100% = 2.36%*

[50] *Project Employees (26) / City employee increase (82,900) * 100% = 0.03%*

accommodated by vacancies in the housing stock and new residential units currently being developed in the region. Furthermore, while the Project would generate jobs associated with construction of the Project, these employment opportunities would be short term opportunities during construction and are employment positions that circulate throughout the region based on the construction site. Therefore, due to the Project's minimal increase in population and employment in the City, the Project would be consistent with the demographic projections set forth in SCAG's 2020–2045 RTP/SCS.

. With regard to consistency with growth projections of the 2024–2050 RTP/SCS, the Project would represent approximately 1.02 percent of the projected population growth in the SCAG region between 2024 and 2032 (i.e., the Project's baseline and buildout years) and approximately 0.03 percent of the projected employment growth in the SCAG Region between 2024 and 2032. Therefore, the Project's contribution to population and employment growth would be also consistent with 2024–2050 RTP/SCS projections.

Consistent with SCAG's RTP/SCS alignment of transportation, land use, and housing strategies, the Project would provide residents and employees with convenient access to public transit, which would facilitate a reduction in VMT and corresponding vehicular GHG emissions. The Project would concentrate on new development within 0.5 mile (walking distance) of bus lines serviced by Metro and LADOT. Thus, residents and employees are provided with an alternative to single-occupant vehicle travel that would facilitate a reduction in VMT and corresponding vehicular GHG emissions. As such, the Project's location provides opportunities for the use of public transit to reduce vehicle trips. Moreover, the Project would represent a development within an existing urbanized area within a SCAG-designated HQTA under the 2020–2045 RTP/SCS and SCAG-designated PDA (i.e., NMA, Livable Corridor, and TPA), as well as an HQTC under the 2024–2050 RTP/SCS that would encourage housing development in transit-supportive and walkable areas to create more interconnected and resilient communities.

Consistency with VMT Reduction Strategies and Policies

The Project includes GHG-reducing strategies from the 2020–2045 RTP/SCS and 2024–2050 RTP/SCS that are applicable to the Project. Specifically, the Project includes characteristics that are consistent with strategies identified in the 2020–2045 RTP/SCS and 2024–2050 RTP/SCS, and that would reduce Project trips and VMT as compared to the Project without implementation of VMT reducing measures within the Air Basin as measured by CalEEMod. Such characteristics and VMT reducing measures include developing a mix of residential and commercial uses near other residential and commercial uses, because in comparison, a similar project located further away from major residential centers or mass transit would not achieve a similar reduction in VMT. In addition, the Project would include EV parking at the Project Site reducing mobile source GHG emissions.

As discussed above, the Project represents an infill development within an existing urbanized area that would concentrate new residential uses within an 2020–2045 RTP/SCS HQTA and 2024–2050 RTP/SCS PDA, as well as an HQTC.. The Project Site is transit accessible and is close to the many bus transit lines, rail lines, and local shuttle service. Specifically, the Project is within 0.5-mile (walking distance) of Metro Bus Lines 16, 18, 53, 60, 62, 66, and 720, and LADOT DASH Bus service line A. Furthermore, in accordance with Ordinance No. 185,480, the Project would provide bicycle parking spaces as required by the LAMC, in addition to bicycle-serving amenities that would further encourage biking. These project features would further promote a reduction in VMT and subsequent reduction in GHG emissions, which would be consistent with the goals of SCAG's 2020–2045 RTP/SCS and 2024–2050 RTP/SCS.

Increased Use of Alternative Fueled Vehicles Policy Initiative

The second category of strategies and policies of the 2020–2045 RTP/SCS and 2024–2050 RTP/SCS, regarding individual development projects, such as the Project, is to increase alternative fueled vehicles to reduce per capita GHG emissions. The 2020–2045 RTP/SCS and 2024–2050 RTP/SCS policy initiative focuses on providing charge port infrastructure and accelerating fleet conversion to electric or other near zero-emission technologies. The 2020–2045 RTP/SCS and 2024–2050 RTP/SCS policy initiatives focus on accelerating the deployment of a zero-emission transportation system. As discussed above, the Project Site would set aside parking spaces with EV charging equipment and spaces that support future EVSE. Therefore, the Project would support the alternative fueled vehicle policy initiative.

Energy Efficiency Strategies and Policies

The third category of strategies and policies of the 2020–2045 RTP/SCS and 2024–2050 RTP/SCS for individual developments, such as the Project, involves improving energy efficiency (e.g., reducing energy consumption) to reduce GHG emissions. The 2020–2045 RTP/SCS goal is to actively encourage and create incentives for energy efficiency, where possible. The 2024–2050 RTP/SCS policy initiative focuses on exploring and advancing the transition toward zero-emission and clean technologies and other transformative technologies, where viable. All Project lighting systems would meet current Title 24 Energy Standards through use of LED bulbs which would reduce energy usage and, thereby, reduce associated greenhouse gas emissions and help minimize the impact on natural resources and infrastructure. The sustainability features to be incorporated into the Project would include, but not be limited to, reduction of outdoor water use; drip irrigation systems; and water-efficient landscape design, including California Friendly® plants or native plants, individual submetering for water use for commercial units, leak detection and monitoring systems, and ENERGY STAR certified residential clothes washers,. Restroom fixtures would also comply with the City of LA Green Building code which requires a 20-percent reduction in water usage based on the City of LA Plumbing Code, including high efficiency

toilets and low flow showerheads. The Project would also use LID techniques to minimize the amount of stormwater that leaves the Project Site. The Project would provide solar panels or one of the very narrow set of alternatives as required by Title 24. Furthermore, the Project would be subject to the 2022 Title 24 Standards. As discussed above, the Project would also comply with the City's EV charging station ordinance.

Land Use Assumptions

At the regional level, the 2020–2045 RTP/SCS and 2024–2050 RTP/SCS are plans adopted for the purpose of reducing GHGs. To assess the Project's potential to conflict with the 2020–2045 RTP/SCS and 2024–2050 RTP/SCS, this Technical Report also analyzes the Project's land use assumptions for consistency with those utilized by SCAG in its Sustainable Communities Strategy. Generally, projects are considered consistent with the provisions and general policies of applicable City and regional land use plans and regulations, such as the 2020–2045 RTP/SCS and 2024–2050 RTP/SCS, if they are compatible with the general intent of the plans and would not preclude the attainment of their primary goals. The Project is consistent with the goals and principles set forth in the 2020–2045 RTP/SCS and 2024–2050 RTP/SCS.

In sum, the Project is a land use development that is consistent with the RTP/SCS to reduce VMT and expand multi-modal transportation options in order for the region to achieve the GHG reductions from the land use and transportation sectors required by SB 375, which, in turn, advances the State's long-term climate policies.[51] By furthering implementation of SB 375, the Project would support regional land use and transportation GHG reductions consistent with state regulatory requirements. Therefore, the Project would be consistent with the GHG reduction-related actions and strategies contained in the 2020–2045 RTP/SCS and 2024–2050 RTP/SCS. Overall, the Project would not conflict with the 2020–2045 RTP/SCS and 2024–2050 RTP/SCS, which are intended to reduce GHG emissions.

(4) City of Los Angeles Green New Deal

L.A.'s Green New Deal Sustainable City pLAn, a mayoral initiative, includes both short-term and long-term aspirations through the year 2050 in various topic areas, including: water, renewable energy, energy-efficient buildings, carbon and climate leadership, waste and landfills, housing and development, mobility and transit, and air quality, among others. While not a plan adopted solely to reduce GHG emissions, within L.A.'s Green New Deal climate change mitigation is one of eight explicit benefits that help define its strategies and goals. L.A.'s Green New Deal's specific targets include ensuring 57 percent of new housing units are built within 1,500 feet of transit by 2025 and 75 percent by 2035; reducing VMT per

[51] *As discussed above, SB 375 legislation links regional planning for housing and transportation with the GHG reduction goals outlined in AB 32.*

capita by at least 13 percent by 2025, 39 percent by 2035, and 45 percent by 2050; increasing the percentage of all trips made by walking, biking, micro-mobility/matched rides or transit to at least 35 percent by 2025 and 50 percent by 2035 and has established targets such as 100 percent renewable energy by 2045, installation of 10,000 publicly available EV chargers by 2022 and 28,000 by 2028, diversion of 100 percent of waste by 2050, and recycling 100 percent of wastewater by 2035.[52]

Although L.A.'s Green New Deal mainly targets GHG emissions related to City-owned buildings and operations, certain reductions associated with the Project would promote its goals. Such measures include increasing renewable energy usage, reduction of per capita water usage, promotion of walking and biking to work, promotion of high density housing close to major transportation stops, and various recycling and trash diversion goals. The Project would generally be consistent with these goals because it is an infill development within an existing urbanized area that would introduce housing and employment within a SCAG-designated HQTA under the 2020–2045 RTP/SCS and SCAG-designated PDA and HQTC under the 2024–2050 RTP/SCS and a City-designated TPA which is well served by public transportation. Furthermore, the Project would comply with the CALGreen Code, implement various project design features to reduce energy usage and would comply with the City of Los Angeles Solid Waste Management Policy Plan, the RENEW LA Plan, and the Exclusive Franchise System Ordinance (Ordinance No. 182,986) in furtherance of the targets included in L.A.'s Green New Deal with regard to energy-efficient buildings and waste and landfills. The Project would also meet LAMC bicycle parking requirements and would provide secure short- and long-term bicycle storage areas. Project design would also provide pedestrian access that minimizes barriers and links the Project Site with existing or planned external streets to encourage people to walk instead of drive. The Project would also use LED lighting to minimize use of electricity and would use native and drought-tolerant plant species in the landscaping to minimize water use. The Project would also provide parking spaces which are EV ready and with EV-charging stations to assist in the reduction of GHG emissions from vehicles. Installation of EV-charging stations would also be consistent with the L.A. Green New Deal goal of increasingly publicly available EV charging infrastructure. These EV charging stations would facilitate trips in zero emission vehicles, resulting in a reduction of GHG emissions.[53] Therefore, the Project would be consistent with and would not conflict with the City's Green New Deal.

(5) Housing Element Program EIR Policies

Also discussed above, the GHG section of the Housing Element Program EIR addressed consistency with a number of plans including the 2017 Scoping Plan, SB 375

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[52] *City of Los Angeles, L.A.'s Green New Deal, Sustainable City pLAn, 2019 Targets, https://plan.lamayor.org/targets/targets_plan.html, accessed January 23, 2025.*

[53] *However, as a conservative assumption, the GHG analysis did not take credit for this reduction.*

(through demonstration of conformance with the 2020–2045 RTP/SCS), the Sustainable City pLAn and Green LA. The Housing Element Update includes the following policies relevant to reducing VMT and GHG Emissions:

> *Policy 1.1.6:* Allocate citywide housing targets across Community Plan areas in a way that seeks to address patters of racial and economic segregation, promote jobs/housing balance, provide ample housing opportunities, and affirmatively further fair housing.
>
> *Policy 1.3.1:* Prioritize housing capacity, resources, policies and incentives to include Affordable Housing in residential development, particularly near transit, jobs, and in Higher Opportunity Areas.
>
> *Policy 3.1.5:* Develop and implement environmentally sustainable urban design standards and pedestrian centered improvements in development of a project and within the public and private realm such as shade trees, parkways and comfortable sidewalks.
>
> *Objective 3.2:* Promote environmentally sustainable buildings and land use patterns that support a mix of uses, housing for various income levels and provide access to jobs, amenities, services and transportation options.
>
> *Policy 3.2.2:* Promote new multi-family housing, particularly Affordable and mixed income housing, in areas near transit, jobs and Higher Opportunity Areas, in order to facilitate a better jobs-housing balance, help shorten commutes, and reduce greenhouse gas emissions.
>
> *Policy 3.2.4:* Provide streamlining, incentives and flexibility to for residential buildings that promote energy and resource conservation particularly those that exceed existing green building standards.
>
> *Policy 3.2.5* Promote and facilitate reduction of water, energy, carbon and waste consumption in new and existing housing.
>
> *Policy 3.2.7* Provide environmentally sustainable development standards and incorporate sustainable best practice in building and zoning code updates.

With incorporation of these policies, the Housing Element Update would be consistent with the Scoping Plan actions and strategies for reducing GHG emissions in accordance with SB 32. Refer to Table 4.6-5 of the Housing Element Program EIR for a more detailed discussion of this consistency.

Conclusion

In conclusion, the Project would not conflict with the emission reduction measures discussed within CARB's Scoping Plan and subsequent updates, particularly their emphasis on the identification of emission reduction opportunities that promote economic growth while achieving greater energy efficiency and accelerating the transition to a low-carbon economy. In addition, as recommended by CARB's Scoping Plan and updates, the Project would use "green building" features consistent with the CALGreen Building Code.[54] As discussed above, the Project implement TDM strategies such as providing bicycle parking, supporting alternative modes of transportation as well as infill development which would reduce distance travelled for residents and employees, and Project impacts would not conflict with SCAG's 2020–2045 RTP/SCS and 2024–2050 RTP/SCS. Furthermore, as detailed above, the Project would use LED lighting to minimize use of electricity, use native and drought-tolerant plant species in the landscaping to minimize water use, and include EV ready and EV-charging stations to assist in the reduction of GHG emissions from vehicles. Moreover, the Project would include all electric appliances in the residential units. As such, the Project would be consistent and not conflict with the Sustainable City pLAn/L.A.'s Green New Deal.

Overall, the Project would not conflict with an applicable plan, policy or regulation adopted for the purpose of reducing GHG emissions. In addition, in the absence of adopted standards and established significance thresholds, and given this consistency, it is concluded that the Project would not generate GHG emissions that may have a significant impact on the environment. Thus, impacts relative to GHG Threshold (a) and GHG Threshold (b) would be less than significant. **In addition, no new or greater significant impacts are anticipated under the Project compared to the Housing Element Update EIR.**

D. Cumulative Impacts

Less Than Significant Impact. The California Natural Resources Agency (CNRA) released a technical advisory on CEQA and climate change that provided some guidance on assessing the significance of GHG emissions, and states that "lead agencies may undertake a project-by-project analysis, consistent with available guidance and current CEQA practice," and that while "climate change is ultimately a cumulative impact, not every individual project that emits GHGs must necessarily be found to contribute to a significant cumulative impact

[54] *The Prcject's GHG emissions inventory does not take into account future regulations and legislation to reduce GHG emissions to achieve carbon neutrality by 2045. However, for all the reasons described above, the Prcject would support the State's goals of Executive Order B-55-18 as well as AB 32 and SB 32 to achieve carbon neutrality by 2045.*

on the environment."[55] Furthermore, the OPR's technical advisory states that "CEQA authorizes reliance on previously approved plans and mitigation programs that have adequately analyzed and mitigated GHG emissions to a less than significant level as a means to avoid or substantially reduce the cumulative impact of a project."[56]

Per CEQA Guidelines Section 15064(h)(3), a project's incremental contribution to a cumulative impact can be found not cumulatively considerable if the project would comply with an approved plan or mitigation program that provides specific requirements that would avoid or substantially lessen the cumulative problem within the geographic area of the project.[57] Therefore, CEQA Guidelines Section 15064(h)(3) allows a lead agency to make a finding of a less than significant impact for GHG emissions if a project complies with adopted programs, plans, policies and/or other regulatory strategies to reduce GHG emissions.[58]

As demonstrated in the above analysis, the Project would be consistent with CARB's Climate Change Scoping Plan, particularly its emphasis on the identification of emission reduction opportunities that promote economic growth while achieving greater energy efficiency and accelerating the transition to a low-carbon economy. The Project would also be consistent with SCAG's 2020–2045 RTP/SCS' and 2024–2050 RTP/SCS' regulatory requirements to reduce regional GHG emissions from the land use and transportation sectors by 2035. Furthermore, the Project would generally comply with the intent of L.A.'s Green New Deal, which includes specific targets related to housing and development, and mobility and transit. Given the Project's consistency with statewide, regional, and local plans adopted for the reduction of GHG emissions, it is concluded that the Project's incremental contribution

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[55] *See, generally, California Natural Resources Agency, Final Statement of Reasons for Regulatory Action, December 2009, pages 11-13, 14 and 16; see also Letter from Cynthia Bryant, Director of the Office of Planning and Research to Mike Chrisman, Secretary for Natural Resources, dated April 13, 2009.*

[56] *Governor's Office of Planning and Research, Technical Advisory – CEQA and Climate Change: Addressing Climate Change through California Environmental Quality Act (CEQA) Review.*

[57] *14 CCR § 15064(h)(3).*

[58] *See, for example, San Joaquin Valley Air Pollution Control District, CEQA Determinations of Significance for Projects Subject to ARB's GHG Cap-and-Trade Regulation, APR—2030 (June 25, 2014), in which the SJVAPCD "determined that GHG emissions increases that are covered under ARB's Cap-and-Trade regulation cannot constitute significant increases under CEQA…" Further, the South Coast Air Quality Management District (SCAQMD) has taken this position in CEQA documents it has produced as a lead agency. The SCAQMD has prepared three Negative Declarations and one Draft Environmental Impact Report that demonstrate the SCAQMD has applied its 10,000 $MTCO_2e$/yr significance threshold in such a way that GHG emissions covered by the Cap-and-Trade Program do not constitute emissions that must be measured against the threshold. See SCAQMD, Final Negative Declaration for Ultramar Inc. Wilmington Refinery Cogeneration Project, SCH No. 2012041014 (October 2014); SCAQMD, Final Negative Declaration for Phillips 66 Los Angeles Refinery Carson Plant—Crude Oil Storage Capacity Project, SCH No. 2013091029 (December 2014); Final Mitigated Negative Declaration for Toxic Air Contaminant Reduction for Compliance with SCAQMD Rules 1420.1 and 1402 at the Exide Technologies Facility in Vernon, CA, SCH No. 2014101040 (December 2014); and Draft Environmental Impact Report for the Breitburn Santa Fe Springs Blocks 400/700 Upgrade Project, SCH No. 2014121014 (April 2014).*

to GHG emissions and their effects on climate change would not be cumulatively considerable. **For these reasons, the Project's cumulative contribution to global climate change is less than significant. In addition, no new or greater significant impacts are anticipated under the Project compared to the Housing Element Update EIR.**

The Row DTLA Residential

Appendix for Greenhouse Gas Emissions

- Appendix GHG-1: Regulatory Framework
- Appendix GHG-2: GHG Methodology
- Appendix GHG-3: Greenhouse Gas Worksheets
    - Appendix GHG-3.1: GHG Modeling Parameters and Summary of Emissions
        - GHG Emissions Summary
        - GHG Parameters and Summary
            - VMT Calculator Output
            - Electric Vehicle Charging Calculations
            - SB 100
    - Appendix GHG-3.2: CalEEMod Outputs
        - Project Construction South Lot Building A
        - Project Construction South Lot Building B
        - Project Construction North Lot
        - Project Operations South Lot
        - Project Operation Full Buildout

The Row DTLA Residential

Appendix GHG-1- Regulatory Framework

- Appendix GHG-1: Regulatory Framework

GHG Regulatory Framework

There are a number of plans, regulations, programs, and agencies that provide policies, requirements, and guidelines regarding GHG emissions at the federal, State, regional, and local levels. As described below, these plans, guidelines, and laws include the following:

- Federal Clean Air Act
- Federal Corporate Average Fuel Economy Standards
- Federal Energy Independence and Security Act
- California Air Resources Board
- California Greenhouse Gas Reduction Targets
- California Global Warming Solutions Act (AB 32)
- California Climate Change Scoping Plan
- California Cap-and-Trade Program
- California Emission Performance Standards
- California Renewables Portfolio Standard Program
- California Climate Crisis Act (AB 1279)
- California Pavley Standards
- California Low Carbon Fuel Standard
- California Advanced Clean Cars Regulations
- California Sustainable Communities and Climate Protection Act (SB 375)
- California Senate Bill 743
- California Executive Order N-79-20
- California Executive Order B-55-18
- California Appliance Efficiency Regulations
- California Title 24, Building Standards Code and California Green Building Standards Code
- California CEQA Guidelines
- South Coast Air Quality Management District

- Southern California Association of Governments Regional Transportation Plan/ Sustainable Communities Strategy
- L.A.'s Green New Deal
- City of Los Angeles Green Building Code
- City of Los Angeles All-Electric Buildings Ordinance
- City of Los Angeles Solid Waste Programs and Ordinances
- City of Los Angeles General Plan
- City of Los Angeles Housing Element (Housing Needs Assessment)
- City of Los Angeles Mobility Plan 2035
- City Of Los Angeles Traffic Study Policies and Procedures

(1) Federal

(a) Federal Clean Air Act

The USEPA is responsible for implementing federal policy to address GHGs. The United States Supreme Court (Supreme Court) ruled in *Massachusetts v. Environmental Protection Agency*, 127 S.Ct. 1438 (2007), that CO_2 and other GHGs are pollutants under the federal Clean Air Act (CAA), which the USEPA must regulate if it determines they pose an endangerment to public health or welfare. In December 2009, the USEPA issued an endangerment finding for GHGs under the CAA, setting the stage for future regulation.

The federal government administers a wide array of public-private partnerships to reduce the GHG intensity generated in the United States. These programs focus on energy efficiency, renewable energy, CH_4 and other non-CO_2 gases, agricultural practices, and implementation of technologies to achieve GHG reductions. The USEPA implements numerous voluntary programs that contribute to the reduction of GHG emissions. These programs (e.g., the ENERGY STAR labeling system for energy-efficient products) play a significant role in encouraging voluntary reductions from large corporations, consumers, industrial and commercial buildings, and many major industrial sectors.

(b) Corporate Average Fuel Economy (CAFE) Standards

In response to the *Massachusetts v. Environmental Protection Agency* ruling, President George W. Bush issued Executive Order 13432 in 2007, directing the USEPA, the United States Department of Transportation (USDOT), and the United States Department of Energy (USDOE) to establish regulations that reduce GHG emissions from motor vehicles, non-road vehicles, and non-road engines by 2008. The National Highway Traffic Safety Administration (NHTSA) subsequently issued multiple final rules regulating fuel efficiency for and GHG emissions from cars and light-duty trucks for model years 2012–2016 and 2017–2021. In March 2020, the USDOT and the USEPA issued the final Safer Affordable Fuel-Efficient (SAFE) Vehicles Rule, which amends existing CAFE standards and tailpipe CO_2

emissions standards for passenger cars and light trucks and establishes new standards covering model years 2021 through 2026.[1] These standards set a combined fleet wide average of 36.9 to 37 miles per gallon (mpg) for the model years 2021 through 2026.[2] In February 2022, the USEPA issued the Revised 2023 and Later Model Year Light-Duty Vehicle Greenhouse Gas Emissions Standards.[3] This final rule revises current GHG standards for vehicles in model year 2023 through model year 2026 and establishes the most stringent GHG standards ever set for the light-duty vehicle sector that are expected to result in average fuel economy label values of 40 mpg, while the standards they replace (i.e., the SAFE rule standards) would achieve only 32 mpg in model year 2026 vehicles.[4]

In addition to the regulations applicable to cars and light-duty trucks described above, in 2011 the USEPA and NHTSA announced fuel economy and GHG standards for medium- and heavy-duty trucks for model years 2014–2018. The standards for CO_2 emissions and fuel consumption are tailored to three main vehicle categories: combination tractors, heavy-duty pickup trucks and vans, and vocational vehicles. According to the USEPA, this regulatory program would reduce GHG emissions and fuel consumption for the affected vehicles by 6 to 23 percent nationwide over the 2010 baselines. Building on the first phase of standards, in August 2016, the USEPA and NHTSA finalized Phase 2 standards for medium and heavy-duty vehicles through model year 2027 that will improve fuel efficiency and cut carbon pollution. The Phase 2 standards are expected to lower CO_2 emissions by approximately 1.1 billion metric tons nationwide annually.[5]

(c) Energy Independence and Security Act

The Energy Independence and Security Act of 2007 (EISA) facilitates the reduction of national GHG emissions by requiring the following:

- Increasing the supply of alternative fuel sources by setting a mandatory Renewable Fuel Standard (RFS) that requires fuel producers to use at least 36 billion gallons of biofuel in 2022;
- Prescribing or revising standards affecting regional efficiency for heating and cooling products, procedures for new or amended standards, energy conservation, energy efficiency labeling for consumer electronic products, residential boiler efficiency, electric motor efficiency, and home appliances;

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1 USEPA, Final Rule for Model Year 2021–2026 Light-Duty Vehicle Greenhouse Gas Emission Standards and Corporate Average Fuel Economy Standards, published April 30, 2020.

2 *National Highway Traffic Safety Administration (NHTSA), Corporate Average Fuel Economy Standards, www.nhtsa.gov/laws-regulations/corporate-average-fuel-economy, accessed January 9, 2025.*

3 *USEPA, Revised 2023 and Later Model Year Light-Duty Vehicle Greenhouse Gas Emissions Standards: Regulatory Update Vol. 86, No. 248 Federal Register page 74434, December 30, 2021.*

4 USEPA, Revised 2023 and Later Model Year Light-Duty Vehicle Greenhouse Gas Emissions Standards: Regulatory Update, December 2021.

5 USEPA, EPA and NHTSA Adopt Standards to Reduce GHG and Improve Fuel Efficiency of Medium- and Heavy-Duty Vehicles for Model Year 2018 and Beyond, August 2016.

- Requiring approximately 25 percent greater efficiency for light bulbs by phasing out incandescent light bulbs between 2012 and 2014; requiring approximately 200 percent greater efficiency for light bulbs, or similar energy savings, by 2020; and

- While superseded by the USEPA and NHTSA actions described above, (i) establishing miles per gallon targets for cars and light trucks and (ii) directing the NHTSA to establish a fuel economy program for medium- and heavy-duty trucks and create a separate fuel economy standard for trucks.

Additional provisions of EISA address energy savings in government and public institutions, promote research for alternative energy, additional research in carbon capture, international energy programs, and the creation of "green jobs."[6]

(2) State

(a) California Air Resources Board

CARB, a part of the California Environmental Protection Agency (CalEPA), is responsible for the coordination and administration of both federal and State air pollution control programs within California. In this capacity, CARB conducts research, sets the California Ambient Air Quality Standards (CAAQS), compiles emission inventories, develops suggested control measures, and provides oversight of local programs. CARB establishes emissions standards for motor vehicles sold in California, consumer products (such as hairspray, aerosol paints, and barbecue lighter fluid), and various types of commercial equipment. It also sets fuel specifications to further reduce vehicular emissions. CARB has primary responsibility for the development of California's State Implementation Plan (SIP), for which it works closely with the federal government and the local air districts. The SIP is required for the State to take over implementation of the federal CAA. Carb adopted the 2022 SIP in September 2022.[7] CARB also has primary responsibility for adopting regulations to meet the State's goal of reducing GHG emissions. The State has met its goals to reduce GHG emissions to 1990 levels by 2020.[8] Subsequent State goals include reducing GHG emissions to 40 percent below 1990 levels by 2030 and to 80 percent below 1990 levels by 2050.

(b) California Greenhouse Gas Reduction Targets

(i) Executive Order S-3-05

Governor Arnold Schwarzenegger announced on June 1, 2005, through Executive Order S-3-05, the following GHG emission reduction targets:

- By 2010, California shall reduce GHG emissions to 2000 levels;

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[6] A green job, as defined by the United States Department of Labor, is a job in business that produces goods or provides services that benefit the environment or conserve natural resources.

[7] *CARB, 2022 State Implementation Program, https://ww2.arb.ca.gov/resources/documents/2022-state-strategy-state-implementation-plan-2022-state-sip-strategy, accessed January 9, 2025.*

[8] *CARB, Final 2022 Climate Change Scoping Plan (Chapter 1), adopted December 2022.*

- By 2020, California shall reduce GHG emissions to 1990 levels; and
- By 2050, California shall reduce GHG emissions to 80 percent below 1990 levels.

In accordance with Executive Order S-3-05, the Secretary of CalEPA is required to coordinate efforts of various agencies, which comprise the California Climate Action Team (CAT), in order to collectively and efficiently reduce GHGs. The CAT provides periodic reports to the Governor and Legislature on the state of GHG reductions in California, as well as strategies for mitigating and adapting to climate change.

The CAT stated that smart land use is an umbrella term for strategies that integrate transportation and land-use decisions. Such strategies generally encourage jobs/housing proximity, promote transit-oriented development (TOD), and encourage high-density residential/commercial development along transit corridors. These strategies develop more efficient land-use patterns within each jurisdiction or region to match population increases, workforce, and socioeconomic needs for the full spectrum of the population.

(ii) Executive Order B-30-15

On April 29, 2015, Governor Jerry Brown issued Executive Order B-30-15. Therein, the Governor directed the following:

- Established a new interim statewide reduction target to reduce GHG emissions to 40 percent below 1990 levels by 2030.
- Ordered all state agencies with jurisdiction over sources of GHG emissions to implement measures to achieve reductions of GHG emissions to meet the 2030 and 2050 reduction targets.
- Directed CARB to update the Climate Change Scoping Plan to express the 2030 target in terms of million metric tons of CO2e (MMTCO2e).

(iii) Executive Order B-55-18

Executive Order B-55-18, issued by Governor Jerry Brown in September 2018, establishes a new Statewide goal to achieve carbon neutrality as soon as possible, but no later than 2045, and achieve and maintain net negative emissions thereafter. Based on this executive order, CARB would work with relevant State agencies to develop a framework for implementation and accounting that tracks progress toward this goal, as well as ensuring future scoping plans identify and recommend measures to achieve the carbon neutrality goal.

In October 2020, CARB released a study, which evaluated three scenarios that achieve carbon neutrality in California by 2045. The study was used by CARB in development of the 2022 Scoping Plan.[9] More ambitious carbon reduction scenarios that

[9] Energy+Environmental Economics (E3), Achieving Carbon Neutrality in California, PATHWAYS Scenarios Developed for the California Air Resources Board, October 2020.

achieve carbon neutrality prior to 2045 may be considered as part of future analyses by the State.

The scenarios analyzed to achieve carbon neutrality include a High Carbon Dioxide Removal (CDR) scenario, Zero Carbon Energy scenario, and a Balanced scenario. The High CDR scenario achieves GHG reductions by relying on CO_2 removal strategies. The Zero Carbon Energy scenario is based on the assumption of zero-fossil fuel emissions by 2045. The Balanced scenario represents a middle point between the High CDR scenario and Zero Carbon Energy scenario. The scenarios would achieve at least an 80-percent reduction in GHGs by 2045, relative to 1990 levels. Remaining CO_2 would be reduced to zero by applying CO_2 removal strategies, including sinks from natural and working lands and negative emissions technologies, such as direct air capture.[10,11]

Under each of these scenarios, CARB proposed reduction strategies for various sectors that contribute GHG emissions throughout the State. Although specific details are not yet available for the GHG reduction measures discussed above, implementation of these measures would require regulations to be enforced by the State.

(c) California Global Warming Solutions Act of 2006

In 2006, the California State Legislature adopted Assembly Bill (AB) 32 (codified in the California Health and Safety Code (HSC), Division 25.5—California Global Warming Solutions Act of 2006), which focuses on reducing GHG emissions in California to 1990 levels by 2020, which the State has achieved. HSC Division 25.5 defines regulated GHGs as CO_2, CH_4, N_2O, HFCs, PFCs, and SF_6 and represents the first enforceable Statewide program to limit emissions of these GHGs from all major industries, with penalties for noncompliance. The law further requires that reduction measures be technologically feasible and cost effective. Under HSC Division 25.5, CARB has the primary responsibility for reducing GHG emissions. CARB is required to adopt rules and regulations directing State actions that would achieve GHG emissions reductions.

To achieve these goals, AB 32 mandates that CARB establish a quantified emissions cap, institute a schedule to meet the cap, implement regulations to reduce Statewide GHG emissions from stationary sources consistent with the CAT strategies, and develop tracking, reporting, and enforcement mechanisms to ensure that reductions are achieved. In order to achieve the reduction targets, AB 32 requires CARB to adopt rules and regulations in an open public process that achieve the maximum technologically feasible and cost-effective GHG reductions.[12]

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[10] Sinks are defined as natural or artificial reservoirs that accumulate and store a carbon-containing chemical compound for an indefinite period.

[11] E3, Achieving Carbon Neutrality in California, PATHWAYS Scenarios Developed for the California Air Resources Board, October 2020, p. 22.

[12] CARB's list of discrete early action measures that could be adopted and implemented before January 1, 2010, was approved on June 21, 2007. The three adopted discrete early action measures are: (1) a low-carbon fuel standard, which reduces carbon intensity in fuels Statewide; (2) reduction of refrigerant losses from motor vehicle air conditioning system maintenance; and (3) increased methane capture from landfills, which includes requiring the use of state-of-the-art capture technologies.

In 2016, the California State Legislature adopted Senate Bill (SB) 32 and its companion bill AB 197, and both were signed by Governor Jerry Brown. SB 32 and AB 197 amend HSC Division 25.5, establish a new climate pollution reduction target of 40 percent below 1990 levels by 2030 and include provisions to ensure that the benefits of State climate policies reach disadvantaged communities. The new goals outlined in SB 32 update the scoping plan requirement of AB 32 and involve increasing renewable energy use, imposing tighter limits on the carbon content of gasoline and diesel fuel, putting more electric cars on the road, improving energy efficiency, and curbing emissions from key industries.

AB 197, signed September 8, 2016, is a bill associated with SB 32, which prioritizes efforts to cut GHG emissions in low-income and minority communities. AB 197 requires CARB to make available, and update at least annually, on its website the emissions of GHGs, criteria pollutants, and toxic air contaminants for each facility that reports to CARB and air districts. In addition, AB 197 adds two members of the Legislature to the CARB board as ex officio, non-voting members and creates the Joint Legislative Committee on Climate Change Policies to ascertain facts and make recommendations to the Legislature and the houses of the Legislature concerning the State's programs, policies, and investments related to climate change.

(a) Climate Change Scoping Plan

The Scoping Plan is a GHG reduction roadmap developed and updated by CARB at least once every five years, as required by AB 32. It lays out the transformations needed across various sectors to reduce GHG emissions and reach the State's climate targets. CARB adopted the Final 2022 Scoping Plan for Achieving Carbon Neutrality (2022 Scoping Plan) in December 2022, as the third update to the initial plan that was adopted in 2008. The initial 2008 Scoping Plan laid out a path to achieve the AB 32 target of returning to 1990 levels of GHG emissions by 2020, a reduction of approximately 15 percent below business as usual activities.[13] The 2008 Scoping Plan included a mix of incentives, regulations, and carbon pricing, laying out the portfolio approach to addressing climate change and clearly making the case for using multiple tools to meet California's GHG targets. The 2013 Scoping Plan Update (adopted in 2014) assessed progress toward achieving the 2020 target and made the case for addressing short-lived climate pollutants (SLCPs).[14] The 2017 Scoping Plan Update shifted the focus to the newer SB 32 goal of a 40-percent reduction below 1990 levels by 2030 by laying out a detailed cost-effective and technologically feasible path to this target, and also assessed progress toward achieving the AB 32 goal of returning to 1990 GHG levels by 2020. The 2020 goal was ultimately reached in 2016, four years ahead of the schedule called for under AB 32.

The 2022 Scoping Plan is the most comprehensive and far-reaching Scoping Plan developed to date. It identifies a technologically feasible, cost-effective, and equity-focused path to achieve new targets for carbon neutrality by 2045 and to reduce anthropogenic GHG emissions to at least 85 percent below 1990 levels, while also assessing the progress California is making toward reducing its GHG emissions by at least 40 percent below

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13 CARB, Climate Change Scoping Plan: A Framework for Change, December 2008.

14 CARB, First Update to the Climate Change Scoping Plan: Building on the Framework, 2014.

1990 levels by 2030, as called for in SB 32 and laid out in the 2017 Scoping Plan.[15] The 2030 target is an interim but important stepping stone along the critical path to the broader goal of deep decarbonization by 2045. The relatively longer path assessed in the 2022 Scoping Plan incorporates, coordinates, and leverages many existing and ongoing efforts to reduce GHGs and air pollution, while identifying new clean technologies and energy. Given the focus on carbon neutrality, the 2022 Scoping Plan also includes discussion for the first time of the natural and working lands sectors as sources for both sequestration and carbon storage, and as sources of emissions as a result of wildfires. The estimated statewide GHG emissions with and without reduction measures in the 2022 Scoping Plan are provided in Table on page 8.

Table 1
Estimated Statewide Greenhouse Gas Emissions With and without Reduction Measures in the 2022 Scoping Plan

Emissions Scenario	GHG Emissions ($MMTCO_2e$)
2019	
2019 State GHG Emissions	404
2030	
2030 Business-As-Usual (BAU) Forecast	312
2030 GHG Emissions without Carbon Removal and Capture	233
2030 GHG Emissions with Carbon Removal and Capture	226
2030 Emissions Target Set by AB 32 (i.e., 1990 level by 2030)	260
Reduction below BAU necessary to achieve 1990 levels by 2030	52 (16.7%)[a]
2045	
2045 BAU Forecast	266
2045 GHG Emissions without Carbon Removal and Capture	72
2045 GHG Emissions with Carbon Removal and Capture	(3)

$MMTCO_2e$ = million metric tons of carbon dioxide equivalents; parenthetical numbers represent negative values.

[a] *312 – 260 = 52. 52 / 312 = 16.7%*

Source: CARB, Final 2022 Climate Change Scoping Plan, adopted December 2022.

The 2022 Scoping Plan reflects existing and recent direction in the Governor's Executive Orders and State Statutes, which identify policies, strategies, and regulations in support of and implementation of the Scoping Plan. Among these include Executive Order B-55-18 and AB 1279 (The California Climate Crisis Act), which identify the 2045 carbon neutrality and GHG reduction targets required for the Scoping Plan.

Table on page 10 provides a summary of major climate legislation and executive orders issued since the adoption of the 2017 Scoping Plan.

[15] CARB, California's 2017 Climate Change Scoping Plan, November 2017.

The 2022 Scoping Plan Scenario identifies the need to accelerate AB 32's 2030 target, from 40 percent to 48 percent below 1990 levels. The Cap-and-Trade Program continues to play a large factor in the reduction of near-term emissions for meeting the 2030 reduction target. Every sector of the economy will need to begin to transition in this decade to meet these GHG reduction goals and achieve carbon neutrality no later than 2045. The 2022 Scoping Plan approaches decarbonization from two perspectives, managing a phasedown of existing energy sources and technologies, as well as increasing, developing, and deploying alternative clean energy sources and technology. The Scoping Plan Scenario is summarized in Table 2-1 starting on page 72 of the Scoping Plan. It includes references to relevant statutes and executive orders, although it is not comprehensive of all existing new

Table 2
Major Climate Legislation and Executive Orders Enacted Since the 2017 Scoping Plan

Bill/Executive Order	Summary
AB 1279 (Muratsuchi, Chapter 337, Statutes of 2022) *The California Climate Crisis Act*	AB 1279 establishes the policy of the state to achieve carbon neutrality as soon as possible, but no later than 2045; to maintain net negative GHG emissions thereafter; and to ensure that by 2045 statewide anthropogenic GHG emissions are reduced at least 85 percent below 1990 levels. The bill requires CARB to ensure that the Scoping Plan updates identify and recommend measures to achieve carbon neutrality, and to identify and implement policies and strategies that enable CO_2 removal solutions and carbon capture, utilization, and storage (CCUS) technologies. This bill is implemented through the 2022 Scoping Plan.
SB 905 (Caballero, Chapter 359, Statutes of 2022) *Carbon Capture, Removal, Utilization, and Storage Program*	SB 905 requires CARB to create the Carbon Capture, Removal, Utilization, and Storage Program to evaluate, demonstrate, and regulate CCUS and carbon dioxide removal (CDR) projects and technology. The bill requires CARB, on or before January 1, 2025, to adopt regulations creating a unified state permitting application for approval of CCUS and CDR projects. The bill also requires CNRA to publish a framework for governing agreements for two or more tracts of land overlying the same geologic storage reservoir for the purposes of a carbon sequestration project. The 2022 Scoping Plan modeling reflects both CCUS and CDR contributions to achieve carbon neutrality.
SB 846 (Dodd, Chapter 239, Statutes of 2022) *Diablo Canyon Powerplant: Extension of Operations*	SB 846 extends the Diablo Canyon Power Plant's sunset date by up to five additional years for each of its two units and seeks to make the nuclear power plant eligible for federal loans. The bill requires that the California Public Utilities Commission (CPUC) not include and disallow a load-serving entity from including in their adopted resource plan, the energy, capacity, or any attribute from the Diablo Canyon power plant. The 2022 Scoping Plan explains the emissions impact of this legislation.
SB 1020 (Laird, Chapter 361, Statutes of 2022) *Clean Energy, Jobs, and Affordability Act of 2022*	SB 1020 adds interim renewable energy and zero carbon energy retail sales of electricity targets to California end-use customers set at 90 percent in 2035 and 95 percent in 2040. It accelerates the timeline required to have 100 percent renewable energy and zero carbon energy procured to serve state agencies from the original target year of 2045 to 2035. This bill requires each state agency to individually achieve the 100 percent goal by 2035 with specified requirements. This bill requires the CPUC, California Energy Commission (CEC), and CARB, on or before December 1, 2023, and annually thereafter, to issue a joint reliability progress report that reviews system and local reliability. The bill also modifies the requirement for CARB to hold a portion of its Scoping Plan workshops in regions of the state with the most significant exposure to air pollutants by further specifying that this includes communities with minority populations or low-income communities in areas designated as being in extreme federal non-attainment. The 2022 Scoping Plan describes the implications of this legislation on emissions.

Table (Continued)
Major Climate Legislation and Executive Orders Enacted Since the 2017 Scoping Plan

Bill/Executive Order	Summary
SB 1137 (Gonzales, Chapter 365, Statutes of 2022) *Oil & Gas Operations: Location Restrictions: Notice of Intention: Health protection zone: Sensitive receptors*	SB 1137 prohibits the development of new oil and gas wells or infrastructure in health protection zones, as defined, except for purposes of public health and safety or other limited exceptions. The bill requires operators of existing oil and gas wells or infrastructure within health protection zones to undertake specified monitoring, public notice, and nuisance requirements. The bill requires CARB to consult and concur with the California Geologic Energy Management Division (CalGEM) on leak detection and repair plans for these facilities, adopt regulations as necessary to implement emission detection system standards, and collaborate with CalGEM on public access to emissions detection data.
SB 1075 (Skinner, Chapter 363, Statutes of 2022) *Hydrogen: Green Hydrogen: Emissions of Greenhouse Gases*	SB 1075 requires CARB, by June 1, 2024, to prepare an evaluation that includes: policy recommendations regarding the use of hydrogen, and specifically the use of green hydrogen, in California; a description of strategies supporting hydrogen infrastructure, including identifying policies that promote the reduction of GHGs and short-lived climate pollutants; a description of other forms of hydrogen to achieve emission reductions; an analysis of curtailed electricity; an estimate of GHG and emission reductions that could be achieved through deployment of green hydrogen through a variety of scenarios; an analysis of the potential for opportunities to integrate hydrogen production and applications with drinking water supply treatment needs; policy recommendations for regulatory and permitting processes associated with transmitting and distributing hydrogen from production sites to end uses; an analysis of the life-cycle GHG emissions from various forms of hydrogen production; and an analysis of air pollution and other environmental impacts from hydrogen distribution and end uses. This bill would inform the production of hydrogen at the scale called for in the 2022 Scoping Plan.
AB 1757 (Garcia, Chapter 341, Statutes of 2022) *California Global Warming Solutions Act of 2006: Climate Goal: Natural and Working Lands*	AB 1757 requires the CNRA, in collaboration with CARB, other state agencies, and an expert advisory committee, to determine a range of targets for natural carbon sequestration, and for nature-based climate solutions, that reduce GHG emissions in 2030, 2038, and 2045 by January 1, 2024. These targets must support state goals to achieve carbon neutrality and foster climate adaptation and resilience. This bill also requires CARB to develop standard methods for state agencies to consistently track GHG emissions and reductions, carbon sequestration, and additional benefits from natural and working lands over time. These methods will account for GHG emissions reductions of CO_2, methane, and nitrous oxide related to natural and working lands and the potential impacts of climate change on the ability to reduce GHG emissions and sequester carbon from natural and working lands, where feasible. This 2022 Scoping Plan describes the next steps and implications of this legislation for the natural and working lands sector.
SB 1206 (Skinner, Chapter 884, Statutes of 2022) *Hydrofluorocarbon gases: sale or distribution*	SB 1206 mandates a stepped sales prohibition on newly produced high-GWP HFCs to transition California's economy toward recycled and reclaimed HFCs for servicing existing HFC-based equipment. Additionally, SB 1206 also requires CARB to develop regulations to increase the adoption of very low-GWP technologies (i.e., GWP < 10 and no-GWP) in sectors that currently rely on higher-GWP HFCs.

Table (Continued)
Major Climate Legislation and Executive Orders Enacted Since the 2017 Scoping Plan

Bill/Executive Order	Summary
SB 27 (Skinner, Chapter 237, Statutes of 2021) *Carbon Sequestration: State Goals: Natural and Working Lands: Registry of Prcjects*	SB 27 requires CNRA, in coordination with other state agencies, to establish the Natural and Working Lands Climate Smart Strategy by July 1, 2023. This bill also requires CARB to establish specified CO_2 removal targets for 2030 and beyond as part of its Scoping Plan. Under SB 27, CNRA is tasked to establish and maintain a registry to identify projects in the state that drive climate action on natural and working lands and are seeking funding. CNRA also must track carbon removal and GHG emission reduction benefits derived from projects funded through the registry. This bill is reflected directly in the 2022 Scoping Plan as CO_2 removal targets for 2030 and 2045 in support of carbon neutrality.
SB 596 (Becker, Chapter 246, Statutes of 2021) *Greenhouse Gases: Cement Sector: Net- zero Emissions Strategy*	SB 596 requires CARB, by July 1, 2023, to develop a comprehensive strategy for the state's cement sector to achieve net-zero-emissions of GHGs associated with cement used within the state as soon as possible, but no later than December 31, 2045. The bill establishes an interim target of 40 percent below the 2019 average GHG intensity of cement by December 31, 2035. Under SB 596, CARB must: • Define a metric for GHG intensity and establish a baseline from which to measure GHG intensity reductions. • Evaluate the feasibility of the 2035 interim target (40 percent reduction in GHG intensity) by July 1, 2028. • Coordinate and consult with other state agencies. • Prioritize actions that leverage state and federal incentives. • Evaluate measures to support market demand and financial incentives to encourage the production and use of cement with low GHG intensity. The 2022 Scoping Plan modeling is designed to achieve these outcomes.
Executive Order N-82-20	Governor Gavin Newsom signed Executive Order N-82-20 in October 2020 to combat the climate and biodiversity crises by setting a statewide goal to conserve at least 30 percent of California's land and coastal waters by 2030. The Executive Order also instructed the CNRA, in consultation with other state agencies, to develop a Natural and Working Lands Climate Smart Strategy that serves as a framework to advance the state's carbon neutrality goal and build climate resilience. In addition to setting a statewide conservation goal, the Executive Order directed CARB to update the target for natural and working lands in support of carbon neutrality as part of this Scoping Plan, and to take into consideration the NWL Climate Smart Strategy. Executive Order N-82-20 also calls on the CNRA, in consultation with other state agencies, to establish the California Biodiversity Collaborative (Collaborative). The Collaborative shall be made up of governmental partners, California Native American tribes, experts, business and community leaders, and other stakeholders from across the state. State agencies will consult the Collaborative on efforts to: • Establish a baseline assessment of California's biodiversity that builds upon existing data and can be updated over time. • Analyze and project the impact of climate change and other stressors in California's biodiversity.

Table (Continued)
Major Climate Legislation and Executive Orders Enacted Since the 2017 Scoping Plan

Bill/Executive Order	Summary
	• Inventory current biodiversity efforts across all sectors and highlight opportunities for additional action to preserve and enhance biodiversity. CNRA also is tasked with advancing efforts to conserve biodiversity through various actions, such as streamlining the state's process to approve and facilitate projects related to environmental restoration and land management. The California Department of Food and Agriculture (CDFA) is directed to advance efforts to conserve biodiversity through measures, such as reinvigorating populations of pollinator insects, which restore biodiversity and improve agricultural production. The Natural and Working Lands Climate Smart Strategy informs the 2022 Scoping Plan.
Executive Order N-79-20	Governor Gavin Newsom signed Executive Order N-79-20 in September 2020 to establish targets for the transportation sector to support the state in its goal to achieve carbon neutrality by 2045. The targets established in this Executive Order are: • 100 percent of in-state sales of new passenger cars and trucks will be zero-emission by 2035. • 100 percent of medium- and heavy-duty vehicles will be zero-emission by 2045 for all operations where feasible, and by 2035 for drayage trucks. • 100 percent of off-road vehicles and equipment will be zero-emission by 2035 where feasible. The Executive Order also tasked CARB to develop and propose regulations that require increasing volumes of zero-electric passenger vehicles, medium- and heavy-duty vehicles, drayage trucks, and off-road vehicles toward their corresponding targets of 100 percent zero-emission by 2035 or 2045, as listed above. The 2022 Scoping Plan modeling reflects these targets.
Executive Order N-19-19	Governor Gavin Newsom signed Executive Order N-19-19 in September 2019 to direct state government to redouble its efforts to reduce GHG emissions and mitigate the impacts of climate change while building a sustainable, inclusive economy. This Executive Order instructs the Department of Finance to create a Climate Investment Framework that: • Includes a proactive strategy for the state's pension funds that reflects the increased risks to the economy and physical environment due to climate change. • Provides a timeline and criteria to shift investments to companies and industry sectors with greater growth potential based on their focus of reducing carbon emissions and adapting to the impacts of climate change. • Aligns with the fiduciary responsibilities of the California Public Employees' Retirement System, California State Teachers' Retirement System, and the University of California Retirement Program. Executive Order N-19-19 directs the State Transportation Agency to leverage more than $5 billion in annual state transportation spending to help reverse the trend of increased fuel consumption and reduce GHG emissions associated with the transportation sector. It also calls on the Department of General Services to leverage its management

Table (Continued)
Major Climate Legislation and Executive Orders Enacted Since the 2017 Scoping Plan

Bill/Executive Order	Summary
	and ownership of the state's 19 million square feet in managed buildings, 51,000 vehicles, and other physical assets and goods to minimize state government's carbon footprint. Finally, it tasks CARB with accelerating progress toward California's goal of five million ZEV sales by 2030 by: • Developing new criteria for clean vehicle incentive programs to encourage manufacturers to produce clean, affordable cars. • Proposing new strategies to increase demand in the primary and secondary markets for ZEVs. • Considering strengthening existing regulations or adopting new ones to achieve the necessary GHG reductions from within the transportation sector. The 2022 Scoping Plan modeling reflects efforts to accelerate ZEV deployment.
SB 576 (Umberg, Chapter 374, Statutes of 2019) *Coastal Resources: Climate Ready Program and Coastal Climate Change Adaptation, Infrastructure and Readiness Program*	Sea level rise, combined with storm-driven waves, poses a direct risk to the state's coastal resources, including public and private real property and infrastructure. Rising marine waters threaten sensitive coastal areas, habitats, the survival of threatened and endangered species, beaches, other recreation areas, and urban waterfronts. SB 576 mandates that the Ocean Protection Council develop and implement a coastal climate adaptation, infrastructure, and readiness program to improve the climate change resiliency of California's coastal communities, infrastructure, and habitat. This bill also instructs the State Coastal Conservancy to administer the Climate Ready Program, which addresses the impacts and potential impacts of climate change on resources within the conservancy's jurisdiction.
AB 65 (Petrie- Norris, Chapter 347, Statutes of 2019) *Coastal Protection: Climate Adaption: Prcject Prioritization: Natural Infrastructure: Local General Plans*	This bill requires the State Coastal Conservancy, when it allocates any funding appropriated pursuant to the California Drought, Water, Parks, Climate, Coastal Protection, and Outdoor Access For All Act of 2018, to prioritize projects that use natural infrastructure in coastal communities to help adapt to climate change. The bill requires the conservancy to provide information to the Governor's Office of Planning and Research (OPR) on any projects funded pursuant to the above provision to be considered for inclusion into the clearinghouse for climate adaptation information. The bill authorizes the conservancy to provide technical assistance to coastal communities to better assist them with their projects that use natural infrastructure.
Executive Order B-55-18	Governor Jerry Brown signed Executive Order B-55-18 in September 2018 to establish a statewide goal to achieve carbon neutrality as soon as possible, and no later than 2045, and to achieve and maintain net negative emissions thereafter. Policies and programs undertaken to achieve this goal shall: • Seek to improve air quality and support the health and economic resiliency of urban and rural communities, particularly low-income and disadvantaged communities. • Be implemented in a manner that supports climate adaptation and biodiversity, including protection of the state's water supply, water quality, and native plants and animals. This Executive Order also calls for CARB to: • Develop a framework for implementation and accounting that tracks progress toward this goal.

Table (Continued)
Major Climate Legislation and Executive Orders Enacted Since the 2017 Scoping Plan

Bill/Executive Order	Summary
	• Ensure future Scoping Plans identify and recommend measures to achieve the carbon neutrality goal. The 2022 Scoping Plan is designed to achieve carbon neutrality no later than 2045 and the modeling includes technology and fuel transitions to achieve that outcome.
SB 100 (De León, Chapter 312, Statutes of 2018) *California Renewables Portfolio Standard Program: emissions of greenhouse gases*	Under SB 100, the CPUC, CEC, and CARB shall use programs under existing laws to achieve 100 percent clean electricity. The statute requires these agencies to issue a joint policy report on SB 100 every four years. The first of these reports was issued in 2021. The 2022 Scoping Plan reflects SB 100 requirements with a few minor updates.
AB 2127 (Ting, Chapter 365, Statutes of 2018) *Electric Vehicle Charging Infrastructure: Assessment*	This bill requires the CEC, working with CARB and the CPUC, to prepare and biennially update a statewide assessment of the electric vehicle charging infrastructure needed to support the levels of electric vehicle adoption required for the state to meet its goals of putting at least 5 million ZEV on California roads by 2030 and of reducing emissions of GHGs to 40 percent below 1990 levels by 2030. The bill requires the CEC to regularly seek data and input from stakeholders relating to electric vehicle charging infrastructure. This bill supports the deployment of ZEVs as modeled in the 2022 Scoping Plan.
SB 30 (Lara, Chapter 614, Statutes of 2018) *Insurance: Climate Change*	This bill requires the Insurance Commissioner to convene a working group to identify, assess, and recommend risk transfer market mechanisms that, among other things, promote investment in natural infrastructure to reduce the risks of climate change related to catastrophic events, create incentives for investment in natural infrastructure to reduce risks to communities, and provide mitigation incentives for private investment in natural lands to lessen exposure and reduce climate risks to public safety, property, utilities, and infrastructure.
AB 2061 (Frazier, Chapter 580, Statutes of 2018) *Near-zero-emission and Zero-emission Vehicles*	Existing state and federal laws set specified limits on the total gross weight imposed on the highway by a vehicle with any group of two or more consecutive axles. Under existing federal law, the maximum gross vehicle weight of that vehicle may not exceed 82,000 pounds. AB 2061 authorizes a near-zero-emission vehicle or a zero-emission vehicle to exceed the weight limits on the power unit by up to 2,000 pounds. This bill supports the deployment of cleaner trucks as modeled in this 2022 Scoping Plan.

Source: City of Los Angeles, 2025 and CARB, 2022 Scoping Plan for Achieving Carbon Neutrality, Table 1-1, December 2022.

authorities for directing or supporting the actions described.

Achieving the targets described in the 2022 Scoping Plan will require continued commitment to and successful implementation of existing policies and programs, and identification of new policy tools and technical solutions to go further, faster. California's Legislature and state agencies will continue to collaborate to achieve the state's climate, clean air, equity, and broader economic and environmental protection goals. It will be necessary to maintain and strengthen this collaborative effort, and to draw upon the assistance of the federal government, regional and local governments, tribes, communities, academic institutions, and the private sector to achieve the state's near-term and longer-term emission reduction goals and a more equitable future for all Californians. The 2022 Scoping Plan acknowledges that the path forward is not dependent on one agency, one state, or even one country. However, the State can lead by engaging Californians and demonstrating how actions at the state, regional, and local levels of governments, as well as action at community and individual levels, can contribute to addressing the challenge.

Aligning local jurisdiction action with state-level priorities to tackle climate change and the outcomes called for in the 2022 Scoping Plan is identified as critical to achieving the statutory targets for 2030 and 2045. The 2022 Scoping Plan discusses the role of local governments in meeting the State's GHG reductions goals. Local governments have the primary authority to plan, zone, approve, and permit how and where land is developed to accommodate population growth, economic growth, and the changing needs of their jurisdictions. They also make critical decisions on how and when to deploy transportation infrastructure, and can choose to support transit, walking, bicycling, and neighborhoods that do not force people into cars. Local governments also have the option to adopt building ordinances that exceed statewide building code requirements, and play a critical role in facilitating the rollout of ZEV infrastructure. As a result, local government decisions play a critical role in supporting state-level measures to contain the growth of GHG emissions associated with the transportation system and the built environment—the two largest GHG emissions sectors over which local governments have authority. The City has taken the initiative in combating climate change by developing programs and regulations, such as the L.A.'s Green New Deal and the Los Angeles Green Building Code. Each of these is discussed further below.

(e) Cap-and-Trade Program

The Climate Change Scoping Plan identified a Cap-and-Trade Program as one of the strategies California would employ to reduce GHG emissions. CARB asserts that this program will help put California on the path to meet its goal of ultimately achieving an 80-percent reduction from 1990 levels by 2050. Under the Cap-and-Trade Program, an

overall limit on GHG emissions from capped sectors was established, and facilities subject to the cap will be able to trade permits to emit GHGs.

CARB designed and adopted a California Cap-and-Trade Program[16] pursuant to its authority under AB 32. The Cap-and-Trade Program was designed to reduce GHG emissions from public and private major sources (deemed "covered entities") by setting a firm cap on Statewide GHG emissions and employing market mechanisms to achieve the State's emission-reduction mandates. The Statewide cap for GHG emissions from the capped sectors[17] (e.g., electricity generation, petroleum refining, and cement production) commenced in 2013 and will decline over time, as GHG emission reductions are continually achieved throughout the Program's duration.

Under the Cap-and-Trade Program, CARB issues allowances equal to the total amount of allowable emissions over a given compliance period and distributes these to regulated entities. Covered entities that emit more than 25,000 $MTCO_2e$ per year must comply with the Cap-and-Trade Program.[18] Triggering of the 25,000 $MTCO_2e$ per year "inclusion threshold" is measured against a subset of emissions reported and verified under the California Regulation for the Mandatory Reporting of Greenhouse Gas Emissions (Mandatory Reporting Rule or MRR).[19]

Each covered entity with a compliance obligation is required to surrender "compliance instruments"[20] for each MTCO2e of GHG they emit. Covered entities are allocated free allowances in whole or part (if eligible), and can buy allowances at auction, purchase allowances from others, or purchase offset credits.

The Cap-and-Trade Program provides a firm cap, ensuring that the Statewide emission limits will not be exceeded. In sum, the Cap-and-Trade Program will achieve aggregate, rather than site-specific or project-level, GHG emissions reductions. Also, due to the regulatory framework adopted by CARB in AB 32, the reductions attributed to the Cap-and-Trade Program can change over time depending on the State's emissions forecasts and the effectiveness of direct regulatory measures.

The Cap-and-Trade Program covers the GHG emissions associated with electricity consumed in California, whether generated in-state or imported.[21] Accordingly, for projects that are subject to the CEQA, GHG emissions from electricity consumption are

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16 California Code of Regulations 17, Sections 95800–96023.

17 California Code of Regulations 17, Sections 95811, 95812.

18 California Code of Regulations 17, Section 95812.

19 California Code of Regulations 17, Sections 95100–95158.

20 Compliance instruments are permits to emit, the majority of which will be "allowances," but entities also are allowed to use CARB-approved offset credits to meet up to 8 percent of their compliance obligations.

21 California Code of Regulations 17, Section 95811(b).

covered by the Cap-and-Trade Program. The Cap-and-Trade Program also covers fuel suppliers (natural gas and propane fuel providers and transportation fuel providers) to address emissions from such fuels and from combustion of other fossil fuels not directly covered at large sources in the Cap-and-Trade Program's first compliance period.[22]

The Cap-and-Trade Program applies to emissions that cover approximately 80 percent of the State's GHG emissions. Demonstrating the efficacy of AB 32 policies, California achieved its 2020 GHG reduction target four years earlier than mandated. The largest reductions were the result of increased renewable electricity in the electricity sector, which is a covered sector in the Cap-and-Trade Program.

AB 398 was enacted in 2017 to extend and clarify the role of the State's Cap-and-Trade Program through December 31, 2030. As part of AB 398, refinements were made to the Cap-and-Trade Program to establish updated protocols and allocation of proceeds to reduce GHG emissions.

(i) Energy-Related (Stationary) Sources

(i) Emission Performance Standards

SB 1368, signed on September 29, 2006, is a companion bill to AB 32, which requires the CPUC and the CEC to establish GHG emission performance standards for the generation of electricity. These standards also generally apply to power that is generated outside of California and imported into the State. SB 1368 provides a mechanism for reducing the emissions of electricity providers, thereby assisting CARB to meet its mandate under AB 32.

(ii) Renewables Portfolio Standard

SB 1078 (Chapter 516, Statutes of 2002) required retail sellers of electricity, including investor-owned utilities and community choice aggregators, to provide at least 20 percent of their supply from renewable sources by 2017 as a Renewables Portfolio Standard (RPS). Subsequent amendments provided additional targets throughout the years. On October 7, 2015, SB 350 (Chapter 547, Statues of 2015), also known as the Clean Energy and Pollution Reduction Act, further increased the RPS to 50 percent by 2030. The legislation also included interim targets of 40 percent by 2024 and 45 percent by 2027. SB 350 also requires the state to double Statewide energy efficiency savings in electricity and natural gas end uses by 2030 in comparison to 2015. The 2017 Scoping Plan incorporated the SB 350 standards and estimated the GHG reductions would

22 California Code of Regulations 17, Sections 95811, 95812(d).

account for approximately 21 percent of the Scoping Plan reductions.[23] On September 10, 2018, SB 100 provided updated RPS targets of 44 percent by 2024, 52 percent by 2027, and 60 percent by 2030, and instructed that CARB should plan for 100 percent eligible renewable energy resources and zero-carbon resources by 2045.[24]

(iii) Assembly Bill 1279 (The California Climate Crisis Act)

The California Legislature enacted AB 1279,[25] the California Climate Crisis Act, on September 16, 2022. AB 1279 establishes the policy of the State to achieve net zero GHG emissions, carbon neutrality,[26] as soon as possible, but no later than 2045 and achieve and maintain net negative GHG emissions thereafter. Additionally, AB 1279 ensures that by 2045 Statewide anthropogenic GHG emissions are reduced at least 85 percent below 1990 levels. SB 1279 also requires CARB to ensure that the 2022 Scoping Plan identified and recommended measures to achieve carbon neutrality and to identify and implement policies and strategies for CO_2 removal solutions and carbon capture, utilization, and storage technologies. It also requires CARB to submit an annual report on progress in achieving the 2022 Scoping Plan's goals.

(g) Mobile Sources

(i) Pavley Standards

AB 1493 (Chapter 200, Statutes of 2002), enacted on July 22, 2002, required CARB to set GHG emission standards for passenger vehicles, light duty trucks, and other vehicles whose primary use is non-commercial personal transportation manufactured in and after 2009. In 2004, CARB approved the Pavley regulation to require automakers to control GHG emissions from new passenger vehicles for the 2009 through 2016 model years. Upon adoption of subsequent federal GHG standards by the USEPA that preserved the benefits of the Pavley regulations, the Pavley regulations were revised to accept compliance with the federal standards as compliance with California's standards in the 2012 through 2016 model years. This is referred to as the "deemed to comply" option.

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23 CARB, California's 2017 Climate Change Scoping Plan, Table 3, p. 31, November 2017. Calculated as: (108 – 53) / 260 = 21 percent.

24 California Legislative Information, SB-100 California Renewables Portfolio Standard Program: Emissions of Greenhouse Gases.

25 California Legislative Information, AB 1279 The California Climate Crisis Act, 2022.

26 Carbon neutrality means "net zero" emissions of GHGs. In other words, it means that GHG emissions generated by sources such as transportation, power plants, and industrial processes must be less than or equal to the amount of carbon dioxide that is stored, both in natural sinks and through mechanical sequestration. AB 1279 uses the terminology net zero and the 2022 Scoping Plan uses the terminology carbon neutrality or carbon neutral. These terms mean the same thing and are used interchangeably.

In January 2012, CARB approved GHG emission regulations, which require further reductions in passenger GHG emissions for 2017 and subsequent vehicle model years. As noted above, in August 2012, the USEPA and USDOT adopted GHG emission standards for model year 2017 through 2025 vehicles.[27] On November 15, 2012, CARB approved an amendment that allows manufacturers to comply with the 2017–2025 national standards to meet State law. Automobile manufacturers generally comply with these standards through a combination of improved energy efficiency in vehicle equipment (e.g., air conditioning systems) and engines, as well as sleeker aerodynamics, use of strong but lightweight materials, and lower-rolling resistance tires.[28]

In 2018, the USEPA proposed the Safer Affordable Fuel-Efficient Vehicles Rule (SAFE), which would roll back fuel economy standards and revoke California's waiver. The rule amended certain average fuel economy and GHG standards for passenger cars covering model years 2021 through 2026. On March 30, 2020, the SAFE Rule was finalized and published in the Federal Register, commencing a review period. Subsequent legal challenges from a coalition of states, including California, and private industry groups were issued. However, in December 2021, the NHTSA repealed the SAFE Vehicle Rule Part One. Although the SAFE Vehicle Rule Part One has been repealed, GHG modeling contained in regional plans, such as SCAG's 2020–2045 RTP/SCS, have not been updated to account for this repeal.

Subsequently, on March 20, 2024, USEPA announced new, more protective final standards to further reduce harmful air pollutant emissions from light-duty and medium-duty vehicles starting with model year 2027. The final rule builds upon USEPA's standards for federal GHG emissions standards for passenger cars and light trucks for model years 2023 through 2026, established in 2021. These standards will phase in over model years 2027 through 2032.

(ii) California Low Carbon Fuel Standard

Executive Order S-01-07 was enacted by Governor Arnold Schwarzenegger on January 18, 2007. The order mandates the following: (1) that a Statewide goal be established to reduce the carbon intensity of California's transportation fuels by at least 10 percent by 2020 from a 2010 baseline; and (2) that a Low Carbon Fuel Standard (LCFS) for transportation fuels be established in California. The final regulation was approved by the State's Office of Administrative Law and filed with the Secretary of State on January 12, 2010; the LCFS became effective on the same day. In September 2015,

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27 USEPA, 2017 and Later Model Year Light-Duty Vehicle Greenhouse Gas Emissions and Corporate Average Fuel Economy Standards, 2012.

28 CARB, California's Advanced Clean Cars Midterm Review, pp. ES-17, C-9.

CARB approved the re-adoption of the LCFS, which became effective on January 1, 2016, to address procedural deficiencies in the way the original regulation was adopted.[29]

The development of the 2017 Scoping Plan Update identified LCFS as a regulatory measure to reduce GHG emissions to meet the 2030 emissions target. In September 2018, the standards were amended by CARB to require a 20-percent reduction in carbon intensity by 2030, aligning with California's 2030 targets set by SB 32.[30]

(iii) Advanced Clean Cars Regulations

In 2012, CARB approved the Advanced Clean Cars program, an emissions-control program for model years 2015–2025.[31] The components of the Advanced Clean Cars program include the Low-Emission Vehicle (LEV) regulations that reduce criteria pollutants and GHG emissions from light- and medium-duty vehicles, and the ZEV regulation, which requires manufacturers to produce an increasing number of pure ZEVs (meaning battery electric and fuel cell electric vehicles), with provisions to also produce plug-in hybrid electric vehicles (PHEV) in the 2018 through 2025 model years.[32] During the March 2017 midterm review, CARB voted unanimously to continue with the vehicle GHG emission standards and the ZEV program for cars and light trucks sold in California through 2025.[33]

In addition, Governor Gavin Newsom signed an executive order (Executive Order No. N-79-20) on September 23, 2020, that would phase out sales of new gas-powered passenger cars by 2035 in California with an additional 10-year transition period for heavy vehicles. The State would not restrict used car sales or forbid residents from owning gas-powered vehicles. In accordance with the executive order, the 2020 Mobile Source Strategy, a comprehensive analysis that presents scenarios for possible strategies to reduce the carbon, toxic and unhealthy pollution from cars, trucks, equipment, and ships, was developed by CARB. The strategies will provide important information for numerous regulations and incentive programs going forward by conveying what is necessary to address the aggressive emission reduction requirements.

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29 CARB, Low Carbon Fuel Standard, About, ww2.arb.ca.gov/our-work/programs/low-carbon-fuel-standard/about, accessed January 9, 2025.

30 CARB, CARB amends Low Carbon Fuel Standard for wider impact, 2018, ww2.arb.ca.gov/index.php/news/carb-amends-low-carbon-fuel-standard-wider-impact, accessed January 9, 2025.

31 CARB, Advanced Clean Cars Program, About, ww2.arb.ca.gov/our-work/programs/advanced-clean-cars-program/about, accessed January 9, 2025.

32 CARB, Advanced Clean Cars Program, About, ww2.arb.ca.gov/our-work/programs/advanced-clean-cars-program/about, accessed January 9, 2025.

33 CARB, News Release: CARB finds vehicle standards are achievable and cost-effective, ww2.arb.ca.gov/news/carb-finds-vehicle-standards-are-achievable-and-cost-effective, accessed January 9, 2025.

The primary mechanism for achieving the ZEV target for passenger cars and light trucks is CARB's Advanced Clean Cars II (ACC II) Program. The ACC II regulations focus on post-2025 model year light-duty vehicles, as requirements are already in place for new vehicles through the 2025 model year. The rulemaking for ACC II regulations was adopted on November 30, 2022.

(iv) Sustainable Communities and Climate Protection Act (SB 375)

The Sustainable Communities and Climate Protection Act of 2008, or SB 375 (Chapter 728, Statutes of 2008), which was adopted by the State on September 30, 2008, establishes mechanisms for the development of regional targets for reducing passenger vehicle GHG emissions. SB 375 finds that the "transportation sector is the single largest contributor of greenhouse gases of any sector."[34] Under SB 375, CARB is required, in consultation with the Metropolitan Planning Organizations (MPOs), to set regional GHG reduction targets for the passenger vehicle and light-duty truck sector for 2020 and 2035. SCAG is the MPO in which the City of Los Angeles is located. CARB set targets for 2020 and 2035 for each of the 18 MPO regions in 2010 and updated them in 2018.[35] In March 2018, CARB updated the SB 375 targets for the SCAG region to require an 8-percent reduction by 2020 and a 19-percent reduction by 2035 in per capita passenger vehicle GHG emissions.[36] As discussed further below, SCAG adopted an updated Regional Transportation Plan/Sustainable Community Strategies (2020–2045 RTP/SCS and 2024–2050 RTP/SCS) subsequent to the update of the emission targets. The 2020–2045 RTP/SCS and 2024–2050 RTP/SCS are expected to reduce per capita transportation emissions by 19 percent by 2035, which is consistent with SB 375 compliance with respect to meeting the State's GHG emission reduction goals.[37]

Under SB 375, the target must be incorporated within that region's RTP, which is used for long-term transportation planning, in an SCS. Certain transportation planning and programming activities would then need to be consistent with the SCS; however, SB 375 expressly provides that the SCS does not regulate the use of land and further provides that local land use plans and policies (e.g., general plans) are not required to be consistent with either the RTP or SCS.

(v) Senate Bill 743

Governor Jerry Brown signed SB 743 in 2013, which creates a process to change the way that transportation impacts are analyzed under CEQA. Specifically, SB 743

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34 State of California, Senate Bill No. 375, September 30, 2008.

35 CARB, Sustainable Communities & Climate Protection Program, About, ww2.arb.ca.gov/our-work/programs/sustainable-communities-climate-protection-program/about, accessed December 22, 2023.

36 CARB, SB 375 Regional Greenhouse Gas Emissions Reduction Targets, 2018.

37 SCAG, Final 2020–2045 RTP/SCS, Chapter 0: Making Connections, 2020, p. 5.

required OPR to amend the CEQA Guidelines to provide an alternative to level of service (LOS) methodology for evaluating transportation impacts. Particularly within areas served by transit, the required alternative criteria must "promote the reduction of greenhouse gas emissions, the development of multimodal transportation networks, and a diversity of land uses." Instead of LOS, measurements of transportation impacts may now include "vehicle miles traveled, vehicle miles traveled per capita, automobile trip generation rates, or automobile trips generated."

(h) Building Standards and Other Regulations

(i) California Appliance Efficiency Regulations

The Appliance Efficiency Regulations (Title 20, Sections 1601 through 1609), adopted by the CEC, include standards for new appliances (e.g., refrigerators) and lighting, if they are sold or offered for sale in California. These standards include minimum levels of operating efficiency, and other cost-effective measures, to promote the use of energy- and water-efficient appliances.

(ii) Title 24—Building Standards Code

The CEC first adopted the Energy Efficiency Standards for Residential and Nonresidential Buildings (CCR, Title 24, Part 6) in 1978 in response to a legislative mandate to reduce energy consumption in the State. Although not originally intended to reduce GHG emissions, increased energy efficiency, and reduced consumption of electricity, natural gas, and other fuels would result in fewer GHG emissions from residential and nonresidential buildings subject to the standard. The standards are updated periodically to allow for the consideration and inclusion of new energy efficiency technologies and methods.

Part 11 of the Title 24 is referred to as the California Green Building Standards (CALGreen) Code and was developed to help the State achieve its GHG reduction goals under HSC Division 25.5 (e.g., AB 32) by codifying standards for reducing building-related energy, water, and resource demand, which in turn reduces GHG emissions from energy, water, and resource demand. The purpose of the CALGreen Code is to "improve public health, safety and general welfare by enhancing the design and construction of buildings through the use of building concepts having a positive environmental impact and encouraging sustainable construction practices in the following categories: (1) Planning and design; (2) Energy efficiency; (3) Water efficiency and conservation; (4) Material conservation and resource efficiency; and (5) Environmental air quality."[38] The CALGreen Code is not intended to substitute for or be identified as meeting the certification requirements of any green building program (e.g., Leadership in Energy and

[38] California Building Standards Commission, 2010 California Green Building Standards Code, 2010.

Environmental Design) that is not established and adopted by the California Building Standards Commission. The CALGreen Code establishes mandatory measures for new residential and non-residential buildings. Such mandatory measures include energy efficiency, water conservation, material conservation, planning and design and overall environmental quality.[39]

On August 11, 2021, the CEC adopted the 2022 Title 24 Standards, which went into effect on January 1, 2023. The 2022 standards continue to improve upon the previous (2019) Title 24 standards for new construction of, and additions and alterations to, residential and non-residential buildings.[40] The 2022 Title 24 Standards ensure that builders use the most energy efficient and energy conserving technologies and construction practices. The 2022 Title 24 Standards encourage use of electric heat pumps, requiring newly constructed residences to be electric-ready and introduces solar and battery storage standards as an optional measure to achieve compliance and increases minimum ventilation requirements to improve air quality. Compliance with Title 24 is enforced through the building permit process.

(i) CEQA Guidelines

In August 2007, the California State Legislature adopted SB 97 (Chapter 185, Statutes of 2007), requiring OPR to prepare and transmit new CEQA Guidelines for the mitigation of GHG emissions or the effects of GHG emissions to the Resources Agency by July 1, 2009. In response to SB 97, OPR adopted the new guidelines that became effective on March 18, 2010. In late 2018, OPR finalized amendments to the CEQA Guidelines, including changes to CEQA Guidelines Section 15064.4, which addresses the analysis of GHG emissions. The amendments became effective on December 28, 2018.

However, neither a threshold of significance nor any specific mitigation measures are included or provided in the CEQA Guidelines.[41] The CEQA Guidelines require a lead agency to make a good-faith effort, to the extent possible based on scientific and factual data, to describe, calculate, or estimate the amount of GHG emissions resulting from a project. Discretion is given to the lead agency whether to: (1) use a model or methodology to quantify GHG emissions resulting from a project, and which model or methodology to use; or (2) rely on a qualitative analysis or performance-based standards. Furthermore,

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39 California Building Standards Commission, 2010 California Green Building Standards Code, 2010.

40 California Energy Commission (CEC), Building Energy Efficiency Standards, 2022, www.energy.ca.gov/programs-and-topics/programs/building-energy-efficiency-standards/2022-building-energy-efficiency, accessed January 9, 2025.

41 See 14 Cal. CCR Section 15064.7 (generally giving discretion to lead agencies to develop and publish thresholds of significance for use in the determination of the significance of environmental effects), 15064.4 (giving discretion to lead agencies to determine the significance of impacts from GHGs).

three factors are identified that should be considered in the evaluation of the significance of GHG emissions:

1. *The extent to which a project may increase or reduce GHG emissions as compared to the existing environmental setting;*

2. *Whether the project emissions exceed a threshold of significance that the lead agency determines applies to the project; and*

3. *The extent to which the project complies with regulations or requirements adopted to implement a statewide, regional, or local plan for the reduction or mitigation of GHG emissions.*[42]

The administrative record for the amendments to the CEQA Guidelines clarifies "that the effects of greenhouse gas emissions are cumulative, and should be analyzed in the context of California Environmental Quality Act's requirements for cumulative impact analysis."[43]

(3) Regional

(a) South Coast Air Quality Management District CEQA Guidance

The City is located in the South Coast Air Basin (Air Basin), which consists of Orange County, Los Angeles County (excluding the Antelope Valley portion), and the western, non-desert portions of San Bernardino and Riverside Counties, in addition to the San Gorgonio Pass area in Riverside County. The South Coast Air Quality Management District (SCAQMD) is responsible for air quality planning in the Air Basin and developing rules and regulations to bring the area into attainment of the ambient air quality standards. This is accomplished through air quality monitoring, evaluation, education, implementation of control measures to reduce emissions from stationary sources, permitting and inspection of pollution sources, enforcement of air quality regulations, and by supporting and implementing measures to reduce emissions from motor vehicles.

In 2008, SCAQMD released draft guidance regarding interim CEQA GHG significance thresholds.[44] A GHG Significance Threshold Working Group was formed to

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42 14 CCR Section 15064.4(b).

43 Letter from Cynthia Bryant, Director of the Governor's Office of Planning and Research to Mike Chrisman, California Secretary for Natural Resources, dated April 13, 2009.

44 SCAQMD, Board Meeting, December 5, 2008, Agenda No. 31, www3.aqmd.gov/hb/2008/December/081231a.htm, accessed January 9, 2025.

further evaluate potential GHG significance thresholds.[45] SCAQMD proposed the use of a percent emission reduction target to determine significance for commercial/residential projects that emit greater than 3,000 $MTCO_2e$ per year. Under this proposal, commercial/residential projects that emit fewer than 3,000 $MTCO_2e$ per year would be assumed to have a less-than-significant impact on climate change. On December 5, 2008, the SCAQMD Governing Board adopted the staff proposal for an interim GHG significance threshold of 10,000 $MTCO_2e$ per year for stationary source/industrial projects where the SCAQMD is the lead agency. However, SCAQMD has yet to adopt a GHG significance threshold for land use development projects (e.g., residential/commercial projects). The Working Group has been inactive since 2011, and SCAQMD has not formally adopted any GHG significance threshold for other jurisdictions.

(b) SCAG Regional Transportation Plan/Sustainable Communities Strategy

To implement SB 375 and reduce GHG emissions by correlating land use and transportation planning, SCAG adopted the 2020–2045 RTP/SCS in September 2020. The vision for the region incorporates a range of best practices for increasing transportation choices, reducing dependence on personal automobiles, further improving air quality, and encouraging growth in walkable, mixed-use communities with ready access to transit infrastructure and employment. More and varied housing types and employment opportunities would be located in and near job centers, transit stations and walkable neighborhoods where goods and services are easily accessible via shorter trips. To support shorter trips, people would have the choice of using neighborhood bike networks, car share or micro-mobility services, such as shared bicycles or scooters. For longer commutes, people would have expanded regional transit services and more employer incentives to carpool or vanpool. Other longer trips would be supported by on-demand services, such as microtransit, carshare, and citywide partnerships with ride hailing services. For those that choose to drive, hotspots of congestion would be less difficult to navigate due to cordon pricing and using an electric vehicle will be easier due to an expanded regional charging network.

The 2020–2045 RTP/SCS states that the SCAG region was home to about 18.8 million people in 2016 and currently includes approximately 6.0 million homes and 8.4 million jobs.[46] By 2045, the integrated growth forecast estimates that these figures will increase by 3.7 million people, with nearly 1.6 million more homes and 1.6 million

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45 SCAQMD, Greenhouse Gases CEQA Significance Thresholds, www.aqmd.gov/home/regulations/ceqa/air-quality-analysis-handbook/ghg-significance-thresholds, accessed January 9, 2025.

46 2020–2045 RTP/SCS population growth forecast methodology includes data for years 2000, 2010, 2016, and 2045.

more jobs. Transit Priority Areas[47] (TPAs) will account for less than 1 percent of regional total land but are projected to accommodate 30 percent of future household growth between 2016 and 2045. The 2020–2045 RTP/SCS overall land use pattern reinforces the trend of focusing new housing and employment in the region's TPAs. TPAs are a cornerstone of land use planning best practice in the SCAG region because they concentrate roadway repair investments, leverage transit and active transportation investments, reduce regional life cycle infrastructure costs, improve accessibility, create local jobs, and have the potential to improve public health and housing affordability.

The 2020–2045 RTP/SCS is expected to reduce per capita transportation emissions by 19 percent by 2035, which is consistent with SB 375 compliance with respect to meeting the State's GHG emission reduction goals.[48] Due to fuel economy and efficiency improvements, GHG emission rates of model year 2017 vehicles have decreased by 15 to 20 percent when compared to model year 2008 and earlier vehicles. However, for purposes of SB 375 emissions reduction targets, the fuel economy improvements have been largely excluded from the reduction calculation. The SB 375 target focuses on the amount of vehicle travel per capita. As discussed above, OPR recommended that achieving 15 percent lower per capita (residential) or per employee (office) VMT than existing development is both generally achievable and is supported by evidence that connects this level of reduction to the State's emissions goals (i.e., SB 375 goal). The reductions generated by fuel economy improvements are already included as part of the State's GHG emissions reduction program and are not double-counted in the SB 375 target calculation.

On April 4, 2024, SCAG adopted the 2024–2050 RTP/SCS. Similar to the 2020–2045 RTP/SCS, the 2024–2050 RTP/SCS is a long-term plan for the Southern California region that details investment in the transportation system and development in communities to meet the existing and future needs of the region through projects, investments, policies and strategies. While the 2024–2050 RTP/SCS remains focused on its core responsibilities and on the requirements of comprehensive regional transportation planning integrated with the development of a sustainable communities strategy, it also encompasses a holistic approach to programs and strategies that support success of the RTP/SCS, such as workforce development, broadband and mobility hubs. The primary goals of the 2024–2050 RTP/SCS include:

- Mobility: Build and maintain an integrated multimodal transportation network;

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47 Defined by the 2020–2045 RTP/SCS as generally walkable transit villages or corridors that are within 0.5 mile of a major transit stop (rail or bus rapid transit station) with 15-minute or less service frequency during peak commute hours.

48 SCAG, Final 2020–2045 RTP/SCS, Chapter 0: Making Connections, 2020, p. 5.

- Communities: Develop, connect and sustain livable and thriving communities;
- Environment: Create a healthy region for the people of today and tomorrow; and
- Economy: Support a sustainable, efficient and productive regional economic environment that provides opportunities for all people in the region.

While the 2024–2050 RTP/SCS has been adopted by SCAG, the 2024–2050 RTP/SCS has not yet been approved by the California Air Resources Board.

(4) Local

(a) L.A.'s Green New Deal

The City addressed the issue of global climate change in *Green LA, An Action Plan to Lead the Nation in Fighting Global Warming* (LA Green Plan/ClimateLA) in 2007. This document outlines the goals and actions the City has established to reduce the generation and emission of GHGs from both public and private activities.

Subsequently, on April 8, 2015, Mayor Eric Garcetti released the Sustainable City pLAn, which includes both short-term and long-term aspirations through the year 2035 in various topic areas, including water, solar power, energy-efficient buildings, carbon and climate leadership, waste and landfills, housing and development, mobility and transit, and air quality, among others.[49] Specific targets included the construction of new housing units within 1,500 feet of transit by 2017, reducing VMT per capita by 5 percent by 2025, and increasing trips made by walking, biking or transit by at least 35 percent by 2025. The Sustainable City pLAn was intended to be updated every four years.

In April 2019, the Sustainable City pLAn was updated and renamed as L.A.'s Green New Deal, which consists of a program of actions designed to create sustainability-based performance targets through 2050 to advance economic, environmental, and equity objectives.[50] L.A.'s Green New Deal augments, expands, and elaborates on the City's vision for a sustainable future and tackles the climate emergency with accelerated targets and new aggressive goals.

While not a plan adopted solely to reduce GHG emissions, within the Green New Deal, "Climate Mitigation," or reduction of GHG is one of eight explicit benefits that help

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49 City of Los Angeles, Sustainable City pLAn, April 2015.

50 City of Los Angeles. LA's Green New Deal, 2019.

define its strategies and goals. These include reducing GHG emissions through near-term outcomes:

- Reduce potable water use per capita by 22.5 percent by 2025, 25 percent by 2035, and maintain or reduce 2035 per capita water use through 2050.
- Reduce building energy use per square feet for all building types by 22 percent by 2025, 34 percent by 2035, and 44 percent by 2050 (from a baseline of 68 thousand British thermal units (mBTU) per square foot in 2015).
- All new buildings will be net zero carbon by 2030, and 100 percent of buildings will be net zero carbon by 2050.
- Increase cumulative new housing unit construction to 150,000 by 2025 and 275,000 units by 2035.
- Ensure 57 percent of new housing units are built within 1,500 feet of transit by 2025 and 75 percent by 2035.
- Increase the percentage of all trips made by walking, biking, micro-mobility/ matched rides, or transit to at least 35 percent by 2025, 50 percent by 2035, and maintain at least 50 percent by 2050.
- Reduce VMT per capita by at least 13 percent by 2025, 39 percent by 2035, and 45 percent by 2050.
- Increase the percentage of electric and zero emission vehicles in the city to 25 percent by 2025, 80 percent by 2035, and 100 percent by 2050.
- Increase landfill diversion rate to 90 percent by 2025, 95 percent by 2035, and 100 percent by 2050.
- Reduce municipal solid waste generation per capita by at least 15 percent by 2030, including phasing out single-use plastics by 2028 (from a baseline of 17.85 pounds of waste generated per capita per day in 2011).
- Eliminate organic waste going to landfill by 2028.
- Reduce urban/rural temperature differential by at least 1.7 degrees by 2025 and 3 degrees by 2035.
- Ensure the proportion of Angelenos living within 0.5 mile of a park or open space is at least 65 percent by 2025, 75 percent by 2035, and 100 percent by 2050.

(b) City of Los Angeles Green Building Code

On December 10, 2022, the Los Angeles City Council approved Ordinance No. 187,719, which amended Chapter IX of the Los Angeles Municipal Code (LAMC), referred to as the Los Angeles Green Building Code, by adding a new Article 9 to incorporate various provisions of the 2022 CALGreen Code. Projects filed on or after January 1, 2023, must comply with the provisions of the Los Angeles Green Building Code. Specific mandatory requirements and elective measures are provided for three categories: (1) low-rise residential buildings; (2) nonresidential and high-rise residential buildings; and (3) additions and alterations to nonresidential and high-rise residential buildings. Article 9, Division 5 includes mandatory measures for newly constructed nonresidential and high-rise residential buildings.

(c) City of Los Angeles All-Electric Building Requirement

In December 2022, the City approved Ordinance No. 187,714, which amends Divisions 2, 4, and 5 of Article 9 of Chapter IX of the LAMC to require all new buildings to be all-electric buildings with exceptions. The ordinance is applicable to new buildings in which an application for a building permit was submitted after June 1, 2023. Consistent with this new ordinance, Chapter IX of the LAMC, Section 99.02.202 defines an all-electric building as:

> *"A building that contains no combustion equipment, plumbing for combustion equipment, gas piping, or fuel gas serving any use including, but not limited to, space heating (including fireplaces), water heating (including pools and spas), cooking appliances (including barbeques), and clothes drying, within the building or building property lines, and instead uses electricity as the sole source of energy for all lighting, appliances and/or equipment, including, but not limited to, space heating, water heating, cooking appliances, and drying appliances."*

Chapter IX of the LAMC, Section 99.04.106.8 provides exemptions from the requirements for cooking equipment contained within kitchens in a public use area, such as restaurants, commissaries, cafeterias, and community kitchens, as long as electrical infrastructure is installed. Gas-powered process equipment in institutions, such as hospitals, industrial, and laboratories, is also exempt. The LAMC, which requires new residential uses to be electric-ready (wiring installed for all-electric appliances), is consistent with 2022 Title 24 goals of encouraging all-electric development. Buildings in Los Angeles account for 43 percent of GHG emissions—more than any other sector in the City. These LAMC requirements ensure that new buildings being constructed are built to leverage the

increasingly clean electric grid, which is anticipated to be carbon-free by 2035, rather than relying on fossil fuels.

(o) City of Los Angeles Solid Waste Programs and Ordinances

The recycling of solid waste materials also contributes to reduced energy consumption. Specifically, when products are manufactured using recycled materials, the amount of energy that would have otherwise been consumed to extract and process virgin source materials is reduced as well as disposal energy averted. In 1989, California enacted AB 939, the California Integrated Waste Management Act, which establishes a hierarchy for waste management practices, such as source reduction, recycling, and environmentally safe land disposal.

The City has developed and is in the process of implementing the Solid Waste Integrated Resources Plan, also referred to as the Zero Waste Plan, whose goal is to lead the City towards being a "zero waste" City by 2030. These waste reduction plans, policies, and regulations, along with Mayoral and City Council directives, have increased the level of waste diversion for the City to 76 percent as of 2013.[51] In addition, the City adopted the Recovering Energy, Natural Resources, and Economic Benefit from Waste for Los Angeles (RENEW LA) Plan in 2006, which aims to achieve a zero waste goal through reducing, reusing, recycling, or converting the resources not going to disposal and achieving a diversion rate of 90 percent or more by 2025.[52] The City also approved the Waste Hauler Permit Program (Ordinance No. 181,519, LAMC Chapter VI, Article 6, Section 66.32–66.32.5), which requires private waste haulers to obtain AB 939 Compliance Permits to transport construction and demolition waste to City-certified construction and demolition waste processors. The City's Exclusive Franchise System Ordinance (Ordinance No. 182,986), among other requirements, sets a maximum annual disposal level and diversion requirements for franchised waste haulers to promote waste diversion from landfills and support the City's zero waste goals. These programs reduce the number of trips to haul solid waste and, therefore, reduce the amount of petroleum-based fuels and energy used to process solid waste.

(e) City of Los Angeles General Plan

The City does not have a General Plan Element specific to climate change and GHG emissions, but several stated goals, objectives, or policies in the City's General Plan Air Quality Element, Plan for Healthy LA, and Mobility Plan 2035 (Mobility Plan) encourage the reduction in GHG emissions. More specifically, the following five goals

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51 City of Los Angeles, Department of Public Works, LA Sanitation, Recycling. www.lacitysan.org/san/faces/home/portal/s-lsh-wwd/s-lsh-wwd-s/s-lsh-wwd-s-r?_adf.ctrl-state=kq9mn3h5a_188, accessed January 9, 2025.

52 City of Los Angeles, RENEW LA, Five-Year Milestone Report, 2011.

from the City's General Plan Air Quality Element would lead to GHG emission reductions:[53]

- Less reliance on single-occupancy vehicles with fewer commute and non-work trips;
- Efficient management of transportation facilities and system infrastructure using cost-effective system management and innovative demand-management techniques;
- Minimal impacts of existing land use patterns and future land use development on air quality by addressing the relationship between land use, transportation, and air quality;
- Energy efficiency through land use and transportation planning, the use of renewable resources and less-polluting fuels, and the implement of conservation measures, including passive measures, such as site orientation and tree planting; and
- Citizen awareness of the linkages between personal behavior and air pollution and participation in efforts to reduce air pollution.

(1) Housing Element (Housing Needs Assessment)

The Housing Element of the General Plan is prepared pursuant to state law and provides planning guidance in meeting housing needs identified in the SCAG Regional Housing Needs Assessment (RHNA). The Housing Element identifies the City's housing conditions and needs, establishes the goals, objectives, and policies that are the foundation of the City's housing and growth strategy, and provides the array of programs the City intends to implement to create and preserve sustainable, mixed-income neighborhoods across the City.

The Housing Needs Assessment chapter of the Housing Element discusses the City's population and housing stock to identify housing needs for a variety of household types across the City. The current RHNA goal for affordable housing within the City is approximately 40 percent of new construction. However, the City's projections show affordable housing comprising 20 percent of new construction, which falls short of the 40-percent RHNA goal. In order to address this shortfall in affordable housing, the Housing Element provides measures to streamline and incentivize development of affordable housing. Such measures include revising density bonuses for affordable housing; identifying locations which are ideal for funding programs to meet low-income housing goals; and rezoning areas to encourage low-income housing. With

53 City of Los Angeles, Air Quality Element, June 1991, pp. IV-1 to IV-4.

implementation of such measures to increase affordable housing, the Housing Element predicts a significant increase in housing production at all income ranges compared to previous cycles.

The Housing Element also promotes sustainability and resilience, and environmental justice through housing, as well as the need to reduce displacement. It encourages the utilization of alternatives to current parking standards that lower the cost of housing, support GHG and VMT goals and recognize the emergence of shared and alternative mobility. The Housing Element also identifies housing strategies for energy conservation, water conservation, alternative energy sources and sustainable development which support conservation and reduce demand.

(g) Mobility Plan 2035

In August 2015, the City Council adopted the Mobility Plan, which serves as the City's General Plan circulation element. The City Council has adopted several amendments to the Mobility Plan since its initial adoption, including the latest amendment on September 7, 2016.[54] The Mobility Plan incorporates "complete streets" principles and lays the policy foundation for how the City's residents interact with their streets. While the Mobility Plan mainly relates to transportation, certain components would serve to reduce VMT and mobile source GHG emissions. One component of the Mobility Plan is a GHG emission tracking program to establish compliance with SB 375, AB 32, and the region's SCS.

(h) Traffic Study Policies and Procedures

The City of Los Angeles Department of Transportation (LADOT) has developed the City Transportation Assessment Guidelines (TAG) (July 2019, updated July 2020 and August 2022) to provide the public, private consultants, and City staff with standards, guidelines, objectives, and criteria to be used in the preparation of a transportation assessment. The TAG establishes the reduction of vehicle trips and VMT as the threshold for determining transportation impacts and, thus, is an implementing mechanism of the City's strategy to reduce land use transportation-related GHG emissions consistent with AB 32, SB 32, and SB 375.

[54] Los Angeles Department of City Planning, Mobility Plan 2035: An Element of the General Plan, approved by City Planning Commission on June 23, 2016, and adopted by City Council on September 7, 2016.

The Row DTLA Residential

Appendix GHG-2- GHG Methodology

- Appendix GHG-2: GHG Methodology

GREENHOUSE GAS EMISSIONS METHODLOGY

The Row DTLA Residential Project

Prepared by:

Eyestone Environmental, LLC

February 2025

The Row DTLA Residential Project

Greenhouse Gas Emissions Methodology

1. Introduction

Eyestone Environmental has been retained to conduct a comprehensive greenhouse gas (GHG) emissions assessment for the Row DTLA Residential Project (the "Project"). Emissions during both construction and operation of the Project were quantified. This assessment describes the methodology used to estimate the GHG emissions from existing and Project conditions and describes the methodology used to quantify GHG emission reductions from project design features and mitigation measures.

2. Air Pollutant and Greenhouse Gas Emissions Methodology

The Project would result in direct emissions of direct and indirect GHG emissions generated by different types of emissions sources, including:[1]

- Direct Emissions:
  - Construction: emissions associated with demolition of existing uses, shoring, excavation, grading, and construction-related equipment and vehicular activity;
  - Area source: landscape and maintenance equipment;
  - Energy source (building operations): emissions associated with space heating and cooling, and water heating;
  - Mobile source: emissions associated with vehicles accessing the project site; and

[1] *Direct sources of emissions include Prcject-related vehicular trips and onsite combustion of fossil fuels (e.g., natural gas, propane, gasoline, and diesel). Whereas, indirect sources of emissions include offsite emissions associated with purchased electricity and embodied energy (e.g., energy used to convey, treat, and distribute water and wastewater)*

  - Stationary source: emissions associated with stationary equipment (e.g., emergency generators).
  - Refrigerants: fugitive GHG emissions associated with building air conditioning and refrigeration equipment.

- Indirect Emissions:
  - Energy source (building operations): emissions associated with energy consumption, and lighting;
  - Solid Waste: emissions associated with the decomposition of the waste, which generates methane based on the total amount of degradable organic carbon; and
  - Water/Wastewater: emissions associated with energy used to pump, convey, deliver, and treat water.

a. Emission Inventories

Project-related construction and operation emissions were calculated using SCAQMD's recommended California Emissions Estimator Model (CalEEMod). CalEEMod is a statewide land use emissions computer model designed to provide a uniform platform for government agencies, land use planners, and environmental professionals to quantify potential GHG emissions associated with both construction and operations from a variety of land use projects. CalEEMod was developed in collaboration with the air districts of California. Data (e.g., emission factors, trip lengths, meteorology, source inventory, etc.) have been provided by the various California air districts to account for local requirements and conditions. The model is considered by the SCAQMD to be an accurate and comprehensive tool for quantifying GHG impacts from land use projects throughout California.[2]

CalEEMod utilizes widely accepted models for emission estimates combined with appropriate default data that can be used if site-specific information is not available. These models and default estimates use sources such as the USEPA AP-42 emission factors, CARB's on-road emission model (EMission FACtor model (EMFAC)) and off-road equipment emission model (Off-road Emissions Inventory Program model (OFFROAD)).

[2] *See www.caleemod.com.*

(1) Construction

Construction activities would generate emissions from off-road equipment usage, on-road vehicle travel (truck hauling, vendor deliveries, and workers commuting), architectural coating, and paving. Each of these source types is discussed in more detail below. The Project's construction emissions were calculated using the SCAQMD recommended CalEEMod (Version 2022.1). Please refer to CalEEMod construction output files for a complete listing of construction details modeled. CalEEMod default values were used for equipment and vehicle emission factors, equipment load factors and vehicle trip lengths. It should be noted that the maximum daily emissions were predicted values for the worst-case day and do not represent the emissions that would occur for every day of Project construction. Annual emissions were calculated based on the total number of hours each piece of equipment was used and the total number of vehicular trips (i.e., worker, vendor, and haul) over the duration of construction. In accordance with the SCAQMD's guidance, GHG emissions from construction were amortized over the lifetime of the Project. The SCAQMD defines the lifetime of a project as 30 years.[3] Therefore, total construction GHG emissions were divided by 30 to determine an annual construction emissions estimate comparable to operational emissions.

(a) Emissions from Construction Equipment

The emission calculations associated with construction equipment are from off-road equipment engine use based on the equipment list and phase length. Since the majority of the off-road construction equipment used for construction projects are diesel fueled, CalEEMod assumes all of the equipment operates on diesel fuel. Construction equipment emissions vary with engine model years in which newer equipment will emit fewer pollutants. As a conservative assumption, the CalEEMod model uses an emission rate for equipment which represents an average model year for available equipment within the Air Basin. CalEEMod calculates the exhaust emissions based on CARB OFFROAD methodology using the equation presented below.

Construction Off-Road Equipment:

$$\text{Emissions Diesel [lbs]} = \left(\sum_i (EF_i \times Pop_i \times AvgHP_i \times Load_i \times Activity_i \right.$$

Where: EF_i = Emission factor from OFFROAD (lbs/hr)

Pop_i = Population (quantity of same equipment)

[3] *SCAQMD, Interim CEQA GHG Significance Threshold for Stationary Sources, Rules and Plans, 2008.*

$AvgHP_i$ = Maximum rated average horsepower (hp)

$Load_i$ = Load Factor (dimensionless)

$Activity_i$ = Hours of operation (hours)

i = Summation index

Fugitive dust emissions from use of off-road equipment were also calculated using CalEEMod based on the types of equipment used during grading activities and based on the amount of import/export from loading or unloading dirt into haul trucks. These methods have been adapted from USEPA's AP-42 method for Western Coal Mining. As recommended by SCAQMD, the fugitive dust emissions from the grading phase are calculated using the methodology described in USEPA AP-42. PM_{10} and $PM_{2.5}$ emissions from fugitive dust will be controlled by watering the construction site three times a day consistent with SCAQMD Rule 403 and were estimated to be reduced by 74 percent.

(b) Emissions from On-Road Trips

Construction generates on-road vehicle exhaust, evaporative, and dust emissions from personal vehicles for worker commuting, vendor deliveries, and trucks for soil and material hauling. These emissions are based on the number of trips and VMT along with emission factors from EMFAC. The emissions from mobile sources were calculated with the trip rates, trip lengths and emission factors for running from EMFAC as follows:

Construction On-Road Equipment:

Emissions pollutant (lbs) = VMT * EF running, pollutant

Where: VMT = vehicle miles traveled (miles)

EF running,pollutant = emission factor for running emissions (lbs/VMT)

Evaporative emissions, starting and idling emissions in CalEEMod were calculated by multiplying the number of trips times the respective emission factor for each pollutant.

(2) Operation

Similar to construction, the SCAQMD-recommended CalEEMod was used to calculate potential emissions generated by the Project, including area source, energy sources (electricity and natural gas), mobile source, stationary sources (emergency generator), solid waste generation and disposal, water usage/wastewater generation, and refrigeration.

(3) Area Source Emissions

Area source emissions were calculated using the CalEEMod emissions inventory model, which includes landscape maintenance equipment. Pollutant emissions generated by the Project were calculated using CalEEMod defaults, based upon the land uses that will be included in each project.

Landscaping Equipment:

Landscaping Equipment Emissions [lbs] = (Σ_i (Units × EF_{LE} × A_{LE})$_i$)

Where: Units = Number of land use units (same land use type) [1,000 sf]

EF_{LE} = Emission factor [grams (g)/1,000 sfday]

i = Summation index

Note: For residential land uses, emission factors are specified in units of dwelling units (DU) instead of 1,000 sf.

(4) Energy Emissions (Electricity and Natural Gas)

Pollutant emissions are emitted as a result of activities in buildings when electricity and natural gas are used as energy sources. Combustion of any type of fuel emits pollutant emissions directly into the atmosphere; when this occurs in a building, it is a direct emission source associated with that building. Pollutant emissions are also emitted during the generation of electricity from fossil fuels. When electricity is used in a building, the electricity generation typically takes place off-site at the power plant; electricity use in a building generally causes emissions in an indirect manner.

Energy demand emissions were calculated using the CalEEMod emissions inventory model. Energy use in buildings is divided into energy consumed by the built environment and energy consumed by uses that are independent of the construction of the building such as in plug-in appliances. CalEEMod calculates energy use from systems covered by Title 24 Building Energy Efficiency Standards (e.g., heating, ventilation, and air conditioning [HVAC] system, water heating system, and lighting system); energy use from lighting; and energy use from office equipment, appliances, plug-ins, and other sources not covered by Title 24 or lighting.

CalEEMod energy demand is based on the California Energy Commission (CEC) sponsored California Commercial End Use Survey (CEUS) study.[4] The data is specific for Electricity Demand Forecast Zones (EDFZ) and, therefore, EDFZ 16 was selected for the Project Site based on the Project's address. CalEEMod includes 2019 Title 24 Energy Efficiency Standards when calculating project energy usage.

(a) Electricity

Emissions associated with electricity demand are based on the size of the residential, commercial and retail land uses, the electrical demand factors for the land uses, the emission factors for the electricity utility provider, and the GWP values for the GHGs emitted. Annual electricity GHG emissions in units of $MTCO_2e$ are calculated as follows:

Electricity:

$$\text{Annual Emissions } [MTCO_2e] = \left(\Sigma_i \left(\text{Units} \times D_E \times EF_E \times GWP\right)_i \right) \div 2{,}204.62$$

Where: Units = Number of land use units (same land use type) [1,000 sf]

D_E = Electrical demand factor [megawatt-hour (MWh)/1,000 sf/yr]

EF_E = GHG emission factor [pounds per megawatt-hour (MWh)]

GWP = Global warming potential [CO_2 = 1, CH_4 = 21, N_2O = 310]

2,204.62 = Conversion factor [pounds/MT]

i = Summation index

Note: For residential land uses, emission factors are specified in units of dwelling units (DU) instead of 1,000 sf.

GHG emissions from electricity use are directly dependent on the electricity utility provider. The Los Angeles Department of Water and Power (LADWP) provides electric service to the Project Site. Thus, GHG intensity factors for LADWP were selected in CalEEMod. Intensity factors for GHGs due to electrical generation to serve the electrical demands of the existing condition were obtained from the LADWP 2023 Power Content Label, which provides a CO_2 intensity of 499 pounds of CO_2 per MWh for 2023. By 2030,

[4] *2019 consumption estimates from the CEC's (2020, 2021) 2018–2030 Uncalibrated Commercial Sector Forecast (Commercial Forecast) and the RASS (refer to Table G-28) of Appendix G in CalEEMod User's Guide, 2022.*

at least 60 percent of electricity shall be obtained from renewable sources. As year-by-year data is currently not available, the CO_2 intensity factor for the Project buildout was determined based on straight line interpolation based on current and future year data points.

(b) Natural Gas

The direct source emissions associated with natural gas combustion are based on the size of the land uses and the natural gas combustion factors for the land uses in units of million British thermal units (MMBtu). Natural gas emissions are calculated in CalEEMod as follows:

Natural Gas:

$$\text{Natural Gas Emissions (lbs)} = \left(\Sigma_I \left(\text{Units} \times D_{NG} \times EF_{NG} \right)_I \right)$$

Where: Units = Number of land use units (same land use type) [1,000 sf]

D_{NG} = Natural Gas combustion factor [MMBtu/1,000 sf]

EF_{NG} = Natural Gas combustion factor [pounds/MMBtu]

I = Summation index

Note: For residential land uses, emission factors are specified in units of dwelling units (DU) instead of 1,000 sf.

(c) City of Los Angeles All-Electric Ordinance

The Project would be required to comply with the City of LA's All-Electric ordinance which does not allow installation of natural gas-powered equipment (stoves, water heaters, space heating) for new construction with some exceptions. Restaurant uses would be exempt from this ordinance and be allowed to consume natural gas for cooking purposes. While this would decrease the natural gas usage for the Project, electricity usage would increase as a result.

The California Energy Commission (CEC) had conducted various energy surveys to develop energy consumption estimates for electric and natural gas end uses. Data from these surveys was used to calculate the equivalent electricity usage when switching from a natural gas end use, such as cooking, water heating and space heating.[5] As mentioned

[5] *CAPCOA Handbook, Table E-15.1 and Table E-15.2*

above, restaurant cooking uses are exempt from the All-Electric ordinance and were assumed to be powered by natural gas.

(5) Mobile Source Emissions

Mobile-source emissions were calculated using the CalEEMod emissions inventory model. CalEEMod calculates the emissions associated with on-road mobile sources associated with residents, employees, visitors, and delivery vehicles visiting the Project Site based on the number of daily trips generated and vehicle miles traveled (VMT). The Traffic Study prepared by Gibson had calculated Project VMT which was entered into CalEEMod in calculating Project mobile source emissions.

Modeling was also conducted using the Los Angeles County vehicle fleet mix for all vehicle types as provided in EMFAC2021.

Mobile source emissions were generally calculated in CalEEMod as follows:

Mobile:

Mobile Emissions [lbs] = (Σ_i (Units × ADT x D_{TRIP} × EF_i)

Where: Units = Number of vehicles (same vehicle model year and class)

ADT = Average daily trip rate [trips/day]

D_{TRIP} = Trip distance [miles/trip]

EF = Pollutant emission factor [pounds per mile]

i = Summation index

Note: For residential land uses, emission factors are specified in units of dwelling units (DU) instead of 1,000 sf.

Mobile source operational emissions were calculated based on the Project VMT estimates provided by the Gibson Transportation Consulting, Inc.[6] The Los Angeles Department of Transportation (LADOT) VMT Calculator was used.

[6] *Gibson Transportation Consulting, Inc., Transportation Assessment for the Alameda Square Prcject, Los Angeles, California, March 2025.*

Previously, trip generation for land uses was calculated based on survey data collected by the Institute of Transportation Engineers (ITE). However, these ITE trip generation rates were based on data collected at suburban, single-use, free standing sites, which may not be representative of urban mixed-use environments. Beginning in 2019, the USEPA has sponsored a study to collect travel survey data from mixed-use developments in order provide a more representative trip generation rate for multi-use sites. Results of the USEPA survey indicate that trip generation and VMT are affected by factors such as resident and job density, availability of transit, and accessibility of biking and walking paths. Based on these factors, the USEPA has developed equations known as the EPA Mixed-Use Development (MXD) model to calculate trip reductions for multi-use developments.[7] The LADOT VMT Calculator incorporates the USEPA MXD model and accounts for project features such as increased density and proximity to transit, which would reduce VMT and associated fuel usage in comparison to free-standing sites.

The Project design includes characteristics that would reduce trips and VMT as compared to a standard project within the air basin as measured by the air quality model (CalEEMod). While these Project characteristics primarily reduce greenhouse gas emissions, they would also reduce criteria air pollutants discussed herein. These relative reductions in vehicle trips and VMT from a standard project within the air basin help quantify the criteria air pollutant emissions reductions achieved by locating the Project in any infill, HQTA area that promotes alternative modes of transportation.

(6) Stationary Source (Emergency Generator Emissions)

Emissions of GHGs associated with use of emergency generators were calculated using CalEEMod, in which emission factors are based on Table 3.4-1 (Gaseous Emission Factors for Large Stationary Diesel Engines) from EPA's AP-42: Compilation of Air Pollutant Emission Factors. The emissions are based on the horsepower rating of the diesel generator and the number of hours operated per year for testing purposes. Annual emergency generator GHG emissions in units of $MTCO_2e$ were calculated as follows:

Emergency Generator:

Emissions [lbs] = (Total HP x LF x HR × EF)

[7] *Environmental Protection Agency, Mixed-Use Trip Generation Model. www.epa.gov/smartgrowth/mixed-use-trip-generation-model. Accessed June 21, 2023.*

Where: Total HP = Total horsepower of emergency generators (Hp)
LF = Load Factor (CalEEMod default of 0.73)
HR = Hours Operated per Year
EF = AP-42 Emission Factor of 1.16 lb/hp-hr)

(7) Solid Waste Emissions

The generation of municipal solid waste (MSW) from day-to-day operational activities generally consists of product packaging, grass clippings, furniture, clothing, bottles, food scraps, newspapers, plastic, and other items routinely disposed of in trash bins. A portion of the MSW is diverted to waste recycling and reclamation facilities. Waste that is not diverted is usually sent to local landfills for disposal. MSW that is disposed in landfills results in GHG emissions of CO_2 and CH_4 from the decomposition of the waste that occurs over the span of many years.

Emissions of GHGs associated with solid waste disposal were calculated using the CalEEMod emissions inventory model. The emissions are based on the size of the retail and restaurant land uses, the waste disposal rate for the land uses, the waste diversion rate, the GHG emission factors for solid waste decomposition, and the GWP values for the GHGs emitted. Annual waste disposal GHG emissions in units of $MTCO_2e$ were calculated in CalEEMod as follows:

Solid Waste:

$$\text{Annual Emissions } [MTCO_2e] = \left(\Sigma_i \left(\text{Units} \times D_{MSW} \times EF_{MSW} \times GWP \right)_i \right) \div 1.1023$$

Where: Units = Number of land use units (same land use type) [1,000 sf]
D_{MSW} = Waste disposal rate [tons/1,000 sf/yr]
EF_{MSW} = GHG emission factor [tons/ton waste]
GWP = Global warming potential [CO_2 = 1, CH_4 = 21, N_2O = 310]
1.1023 = Conversion factor [tons/MT]
i = Summation index

Note: For residential land uses, emission factors are specified in units of dwelling units (DU) instead of 1,000 sf.

CalEEMod allows the input of several variables to quantify solid waste emissions. The model requires the amount of waste disposed, which is the product of the waste

disposal rate times the land use units. CalEEMod default annaual solid waste disposal rates used. The GHG emission factors, particularly for CH_4, depend on characteristics of the landfill, such as the presence of a landfill gas capture system and subsequent flaring or energy recovery. The default values, as provided in CalEEMod, for landfill gas capture (e.g., no capture, flaring, energy recovery), which are statewide averages, were used in this assessment. The Project includes a 76.4-percent recycling/diversion rate currently achieved within the City.[9]

(8) Water Usage and Wastewater Generation Emissions

GHG emissions are related to the energy used to convey, treat, and distribute water and wastewater. Thus, these emissions are generally indirect emissions from the production of electricity to power these systems. Three processes are necessary to supply potable water and include: (1) supply and conveyance of the water from the source; (2) treatment of the water to potable standards; and (3) distribution of the water to individual users. After use, energy is used as the wastewater is treated and reused as reclaimed water.

Emissions related to water usage and wastewater generation were calculated using the CalEEMod emissions inventory model. The emissions are based on the size of the land uses, the water demand factors, the electrical intensity factors for water supply, treatment, and distribution and for wastewater treatment, the GHG emission factors for the electricity utility provider, and the GWP values for the GHGs emitted. CalEEMod default annual water demand and wastewater rates were used. GHG emissions due to electricity are calculated in CalEEMod as follows for indoor and outdoor water demand:

Water Supply, Treatment, and Distribution; Wastewater Treatment (electricity):

$$\text{Annual Emissions } [MTCO_2e] = (\Sigma_i\ (\text{Units} \times D_w \times (EI_w \div 1{,}000) \times EF_w \times GWP)_i\ ) \div 2{,}204.62$$

Where: Units = Number of land use units (same land use type) [1,000 sf]

D_w = Water demand factor [million gallons (Mgal)/1,000 sf/yr]

EI_w = Electricity intensity factor [kilowatt-hours (kWh)/Mgal]

1,000 = Conversion factor [kWh/MWh]

[9] *City of Los Angeles, Sustainable City pLAn, Waste & Landfills, http://plan.lamayor.org/portfolio/waste-landfills-3rd, accessed August 1, 2024.*

EF_W = GHG emission factor [pounds/MWh]

GWP = Global warming potential [CO_2 = 1, CH_4 = 21, N_2O = 310]

2,205 = Conversion factor [pounds/MT]

i = Summation index

Note: For residential land uses, emission factors are specified in units of dwelling units (DU) instead of 1,000 sf.

CalEEMod provides options to account for the use of water saving features such as the use of low-flow water fixtures (e.g., low-flow faucets, low-flow toilets). The same electricity GHG emissions factors discussed above were used for water and wastewater energy usage. In addition, the calculation of Project GHG emissions from water/wastewater usage accounts for a 20 percent reduction in water/wastewater emissions with implementation of CalGreen requirements.

(9) Refrigerant Emissions

The estimate the fugitive GHG emissions associated with building air conditioning (A/C) and refrigeration equipment is based on the different types of refrigeration equipment used by different types of land uses. For example, an office may use various types of A/C equipment, while a supermarket may use both A/C equipment and refrigeration equipment. All equipment that uses refrigerants has a charge size (i.e., quantity of refrigerant the equipment contains), operational and service refrigerant leak rates (from regular operation and routine servicing), and number of times serviced per lifetime. Each refrigerant has a GWP that is specific to that refrigerant. CalEEMod automatically generates a default A/C and refrigeration equipment inventory for each project land use subtype. CalEEMod quantifies refrigerant emissions from leaks during regular operation and routine servicing over the equipment lifetime and then derives average annual emissions from the lifetime estimate. Note that CalEEMod does not quantify emissions from the disposal of refrigeration and A/C equipment at the end of its lifetime.

The Row DTLA Residential

Appendix GHG-3-Greenhouse Gas Emissions Worksheets

- Appendix GHG-3.1: GHG Modeling Parameters and Summary of Emissions
  - GHG Emissions Summary
  - GHG Parameters and Summary
    - VMT Calculator Output
    - Electric Vehicle Charging Calculations
    - SB 100
- Appendix GHG-3.2: CalEEMod Outputs
  - Project Construction South Lot Building A
  - Project Construction South Lot Building B
  - Project Construction North Lot
  - Project Operations South Lot
  - Project Operation Full Buildout

DTLA Row

Construction Emissions Summary (GHG)

CalEEMod Output Summary	
2026	1,033
2027	2,422
2028	1,239
2029	631
2030	1,248
2031	1,256
2032	400
Total	7,829
Amortized	261

Operational Emissions Summary (GHG)

CalEEMod Output Summary	Project with PDFs
Buildout (Buildout Year)[b]	
Area	26
Energy (Natural Gas and Electricity)[b]	1,096
Mobile	3,560
Electric Vehicle Charging Credit	(101)
Emergency Generators	69
Solid Waste	53
Water/Wastewater	73
Refrigerants	2
Construction	261
Total	**5,040**

[a] Existing Uses

[b] Please refer to CalEEMod outputs for Future uses

DTLA Row

LADOT VMT Calculator Data

VMT Summary

	Existing	Proposed Project	With Mitigation	Project Weekday Trips	Weekend Trips	Weekend Vs. Weekday Ratio
Daily Trips	0	4,648	4,648	1	1	1.00
Daily VMT	0	30,369	30,369			

Project without TDM (MXD Data)

	Unadjusted Trips	MXD Adjustment	MXD Trips	Average Trip Length	Unadjusted VMT	MXD VMT	Reduction vs. Unadjusted MXD (%)
Home Based Work Production	890	-28.3%	638	7.2	6,408	4,594	
Home Based Other Production	2,466	-38.6%	1515	5.1	12,577	7,727	
Non-Home Based Other Production	1,272	-6.1%	1194	7.8	9,922	9,313	
Home-Based Work Attraction	38	-60.5%	15	8.4	319	126	
Home-Based Other Attraction	1,453	-35.0%	945	6.5	9,445	6,143	
Non-Home Based Other Attraction	400	-7.8%	369	7.2	2,880	2,657	26%
Total	6,519				41,551	30,560	

Project with TDM (MXD Data)

		Proposed Project			*Project with Mitigation Measures*	
	TDM Adjustment	Project Trips	Project VMT	TDM Adjustment	Mitigated Trips	Mitigated VMT
Home Based Work Production	-0.6%	634	4,565	-0.6%	634	4,565
Home Based Other Production	-0.6%	1,506	7,679	-0.6%	1,506	7,679
Non-Home Based Other Production	-0.6%	1,187	9,255	-0.6%	1,187	9,255
Home-Based Work Attraction	-0.6%	15	125	-0.6%	15	125
Home-Based Other Attraction	-0.6%	939	6,105	-0.6%	939	6,105
Non-Home Based Other Attraction	-0.6%	357	2,640	-0.6%	357	2,640
Total		4,648	30,369		4,648	30,369
Employee VMT			12,244			125
Employee VMT (percent of total)						0.004116039
Residential VMT						12,244
Residential VMT (percent of total)						0.40317429

Source: Gibson Transportation

GHG Emissions Reductions for Residential Uses Associated with Electric Vehicle Charging Stations/Plugins

Step 1: Estimating GHG Emisisons Reduction to Replace Gasoline/Diesel Vehicle with Electric Vehicle

LADWP Electricity Emission Factor[1]	0.14	MTCO2E/MWh
Fuel Economy of Electric Vehicle[2]	0.45	kWh/mile
Electric Vehicle GHG Emissions	61.3	grams/mile
GHG Emissions from Residential Miles Traveled (CalEEMod)[3]	284.6	grams/mile
GHG Emissions Reduction from Additional Electric Vehicles, per mile	223.3	grams/mile

Step 2: Estimating Project Residential-Related VMT GHG Emissions

Residential Average Yearly VMT with TDM and PDFs[4]	4,514,685	miles/year
Percent of Residential Miles Driven in Electric Vehicles due to this Measure	10.0%	
Residential VMT that is Displaced by Evs due to this Measure	451,469	miles/year
GHG Emisisons Reduction from Residential Electric Vehicles	**101**	MTCO2E/MWh

Energy Usage **201,507**

Notes:
1) CO2 intensity factor reflects a 2032 RPS for LADWP (304 lbs of CO2E/MWh).
2) US Department of Energy, 2013. Benefits and Considerations of Electricity as a Vehicle Fuel. Available at: http://afdc.energy.gov/fuels/electricity_benefits.html.
3) CalEEMod Output file provided in Appendix XX.X of this Draft EIR.
4) Residential charging of vehicles would primarily occur over night. In addition, it is assumed that the charging stations/plugins for residential uses would be fully utlized which is supported by the projected number of electric vehicles in the future. Bloomberg New Energy Finance projects that electric vehicles will represent 35 percent of global new car sales by 2040 (https://about.bnef.com/blog/electric-vehicles-to-be-35-of-global-new-car-sales-by-2040/).

DTLA Row

SB100 - Renewable Portfolio Standards

Year	% RPS	RPS Reduction (%)	Carbon Intensity (lbs/MWh)
2023	40		499
2024	44	-20%	451
2027	52	-15%	382
2030	60	-13%	331
2036	65	-8%	305
2045	100	-35%	0

Build Out Year	Carbon Intensity (lbs/MWh)
2024	467
2032	304

DTLA Row - Construction South Lot Building A Detailed Report

Table of Contents

1. Basic Project Information

1.1. Basic Project Information

1.2. Land Use Types

1.3. User-Selected Emission Reduction Measures by Emissions Sector

2. Emissions Summary

2.1. Construction Emissions Compared Against Thresholds

2.2. Construction Emissions by Year, Unmitigated

3. Construction Emissions Details

3.1. Demolition/Utility Relocation (2027) - Unmitigated

3.3. Grading/Shoring/Excavation (2027) - Unmitigated

3.5. Building Foundation (2027) - Unmitigated

3.7. Building Foundation (2028) - Unmitigated

3.9. Building Construction (2028) - Unmitigated

3.11. Building Construction (2029) - Unmitigated

3.13. Paving (2029) - Unmitigated

3.15. Architectural Coating (2029) - Unmitigated

4. Operations Emissions Details

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

4.10.2. Above and Belowground Carbon Accumulation by Land Use Type - Unmitigated

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

5. Activity Data

5.1. Construction Schedule

5.2. Off-Road Equipment

5.2.1. Unmitigated

5.3. Construction Vehicles

5.3.1. Unmitigated

5.4. Vehicles

5.4.1. Construction Vehicle Control Strategies

5.5. Architectural Coatings

5.6. Dust Mitigation

5.6.1. Construction Earthmoving Activities

5.6.2. Construction Earthmoving Control Strategies

5.7. Construction Paving

5.8. Construction Electricity Consumption and Emissions Factors

5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

5.18.2. Sequestration

5.18.2.1. Unmitigated

6. Climate Risk Detailed Report

6.1. Climate Risk Summary

6.2. Initial Climate Risk Scores

6.3. Adjusted Climate Risk Scores

6.4. Climate Risk Reduction Measures

7. Health and Equity Details

7.1. CalEnviroScreen 4.0 Scores

7.2. Healthy Places Index Scores

7.3. Overall Health & Equity Scores

7.4. Health & Equity Measures

7.5. Evaluation Scorecard

7.6. Health & Equity Custom Measures

8. User Changes to Default Data

1. Basic Project Information

1.1. Basic Project Information

Data Field	Value
Project Name	DTLA Row - Construction South Lot Building A
Construction Start Date	3/2/2027
Lead Agency	—
Land Use Scale	Project/site
Analysis Level for Defaults	County
Windspeed (m/s)	0.50
Precipitation (days)	18.4
Location	34.032905802980835, -118.23935798232272
County	Los Angeles-South Coast
City	Los Angeles
Air District	South Coast AQMD
Air Basin	South Coast
TAZ	4066
EDFZ	16
Electric Utility	Los Angeles Department of Water & Power
Gas Utility	Southern California Gas
App Version	2022.1.1.29

1.2. Land Use Types

Land Use Subtype	Size	Unit	Lot Acreage	Building Area (sq ft)	Landscape Area (sq ft)	Special Landscape Area (sq ft)	Population	Description
Apartments Mid Rise	410	Dwelling Unit	1.83	336,501	13,837	0.00	1,214	—

High Turnover (Sit Down Restaurant)	1.12	1000sqft	0.00	1,119	0.00	0.00	—	—
Recreational Swimming Pool	0.49	1000sqft	0.00	486	0.00	0.00	—	—
Enclosed Parking with Elevator	449	Space	4.04	179,600	0.00	0.00	—	—

1.3. User-Selected Emission Reduction Measures by Emissions Sector

No measures selected

2. Emissions Summary

2.1. Construction Emissions Compared Against Thresholds

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Un/Mit.	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Unmit.	14.4	31.4	53.7	0.19	0.37	18.6	18.9	0.37	2.97	3.34	27,164
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Unmit.	14.4	23.1	68.5	0.11	0.24	9.34	9.58	0.23	2.27	2.50	20,132
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—
Unmit.	6.75	12.5	28.3	0.07	0.15	4.51	4.65	0.14	0.90	1.04	9,891
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—
Unmit.	1.23	2.29	5.17	0.01	0.03	0.82	0.85	0.03	0.16	0.19	1,638

2.2. Construction Emissions by Year, Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Year	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e

Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
2027	1.96	31.4	53.7	0.19	0.37	18.6	18.9	0.37	2.97	3.34	27,164
2028	1.12	4.23	20.6	0.01	0.02	4.23	4.24	0.02	1.00	1.02	5,540
2029	14.4	8.86	41.4	0.04	0.12	5.79	5.91	0.11	1.38	1.49	10,304
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
2027	1.94	19.1	51.3	0.10	0.22	5.11	5.33	0.22	1.27	1.49	15,010
2028	2.98	23.1	68.5	0.11	0.24	9.34	9.58	0.23	2.27	2.50	20,132
2029	14.4	9.14	38.2	0.04	0.12	5.79	5.91	0.11	1.38	1.49	10,023
Average Daily	—	—	—	—	—	—	—	—	—	—	—
2027	0.95	12.5	28.3	0.07	0.15	4.51	4.65	0.14	0.90	1.04	9,891
2028	0.85	3.94	15.3	0.01	0.02	3.13	3.15	0.02	0.75	0.77	4,428
2029	6.75	3.47	14.8	0.02	0.05	2.13	2.17	0.04	0.51	0.55	3,811
Annual	—	—	—	—	—	—	—	—	—	—	—
2027	0.17	2.29	5.17	0.01	0.03	0.82	0.85	0.03	0.16	0.19	1,638
2028	0.16	0.72	2.80	< 0.005	< 0.005	0.57	0.58	< 0.005	0.14	0.14	733
2029	1.23	0.63	2.70	< 0.005	0.01	0.39	0.40	0.01	0.09	0.10	631

3. Construction Emissions Details

3.1. Demolition/Utility Relocation (2027) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.50	7.45	24.4	0.03	0.10	—	0.10	0.09	—	0.09	3,516

Demolition	—	—	—	—	—	0.00	0.00	—	0.00	0.00	—
Onsite truck	0.01	0.18	0.13	< 0.005	< 0.005	0.84	0.84	< 0.005	0.08	0.08	32.4
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.50	7.45	24.4	0.03	0.10	—	0.10	0.09	—	0.09	3,516
Demolition	—	—	—	—	—	0.00	0.00	—	0.00	0.00	—
Onsite truck	0.01	0.18	0.13	< 0.005	< 0.005	0.84	0.84	< 0.005	0.08	0.08	32.8
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.04	0.61	2.01	< 0.005	0.01	—	0.01	0.01	—	0.01	289
Demolition	—	—	—	—	—	0.00	0.00	—	0.00	0.00	—
Onsite truck	< 0.005	0.01	0.01	< 0.005	< 0.005	0.07	0.07	< 0.005	0.01	0.01	2.68
Annual	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.11	0.37	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	47.8
Demolition	—	—	—	—	—	0.00	0.00	—	0.00	0.00	—
Onsite truck	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	0.44
Offsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.14	0.14	2.40	0.00	0.00	0.52	0.52	0.00	0.12	0.12	539
Vendor	< 0.005	0.13	0.06	< 0.005	< 0.005	0.03	0.04	< 0.005	0.01	0.01	128
Hauling	0.02	1.91	0.73	0.01	0.02	0.46	0.49	0.02	0.13	0.15	1,744
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.14	0.17	2.04	0.00	0.00	0.52	0.52	0.00	0.12	0.12	510
Vendor	< 0.005	0.14	0.06	< 0.005	< 0.005	0.03	0.04	< 0.005	0.01	0.01	128
Hauling	0.02	1.99	0.74	0.01	0.02	0.46	0.49	0.02	0.13	0.15	1,742
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.18	0.00	0.00	0.04	0.04	0.00	0.01	0.01	42.6

Vendor	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	10.5
Hauling	< 0.005	0.17	0.06	< 0.005	< 0.005	0.04	0.04	< 0.005	0.01	0.01	143
Annual	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.03	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	7.05
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	1.74
Hauling	< 0.005	0.03	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	23.7

3.3. Grading/Shoring/Excavation (2027) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.55	6.23	32.3	0.04	0.11	—	0.11	0.10	—	0.10	4,626
Dust From Material Movement	—	—	—	—	—	< 0.005	< 0.005	—	< 0.005	< 0.005	—
Onsite truck	0.08	1.80	1.34	< 0.005	< 0.005	11.9	11.9	< 0.005	1.19	1.19	332
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.08	0.85	4.42	0.01	0.01	—	0.01	0.01	—	0.01	634
Dust From Material Movement	—	—	—	—	—	< 0.005	< 0.005	—	< 0.005	< 0.005	—
Onsite truck	0.01	0.25	0.19	< 0.005	< 0.005	1.55	1.55	< 0.005	0.15	0.15	45.7
Annual	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.16	0.81	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	105

Dust From Material Movement	—	—	—	—	—	< 0.005	< 0.005	—	< 0.005	< 0.005	—
Onsite truck	< 0.005	0.05	0.03	< 0.005	< 0.005	0.28	0.28	< 0.005	0.03	0.03	7.57
Offsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.28	0.28	4.81	0.00	0.00	1.05	1.05	0.00	0.25	0.25	1,079
Vendor	0.01	0.20	0.09	< 0.005	< 0.005	0.05	0.05	< 0.005	0.01	0.02	192
Hauling	0.29	22.9	8.77	0.14	0.26	5.56	5.83	0.26	1.52	1.79	20,934
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.05	0.59	0.00	0.00	0.14	0.14	0.00	0.03	0.03	142
Vendor	< 0.005	0.03	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	26.2
Hauling	0.04	3.31	1.21	0.02	0.04	0.76	0.79	0.04	0.21	0.24	2,865
Annual	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.11	0.00	0.00	0.03	0.03	0.00	0.01	0.01	23.5
Vendor	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	4.34
Hauling	0.01	0.60	0.22	< 0.005	0.01	0.14	0.14	0.01	0.04	0.04	474

3.5. Building Foundation (2027) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.85	11.1	34.9	0.06	0.18	—	0.18	0.17	—	0.17	5,319
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.85	11.1	34.9	0.06	0.18	—	0.18	0.17	—	0.17	5,319
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.32	4.20	13.2	0.02	0.07	—	0.07	0.06	—	0.06	2,009
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.06	0.77	2.41	< 0.005	0.01	—	0.01	0.01	—	0.01	333
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.92	0.90	15.6	0.00	0.00	3.40	3.40	0.00	0.80	0.80	3,506
Vendor	0.19	6.58	3.13	0.04	0.04	1.71	1.76	0.04	0.47	0.52	6,389
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.91	1.12	13.2	0.00	0.00	3.40	3.40	0.00	0.80	0.80	3,314
Vendor	0.18	6.85	3.21	0.04	0.04	1.71	1.76	0.04	0.47	0.52	6,377
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Worker	0.34	0.42	5.25	0.00	0.00	1.27	1.27	0.00	0.30	0.30	1,272
Vendor	0.07	2.60	1.20	0.02	0.02	0.64	0.66	0.02	0.18	0.19	2,410
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.08	0.96	0.00	0.00	0.23	0.23	0.00	0.05	0.05	211
Vendor	0.01	0.47	0.22	< 0.005	< 0.005	0.12	0.12	< 0.005	0.03	0.04	399

Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.7. Building Foundation (2028) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.85	11.1	34.9	0.06	0.18	—	0.18	0.17	—	0.17	5,319
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.04	0.52	1.64	< 0.005	0.01	—	0.01	0.01	—	0.01	250
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.10	0.30	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	41.4
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.88	1.01	12.5	0.00	0.00	3.40	3.40	0.00	0.80	0.80	3,255
Vendor	0.13	6.55	3.05	0.04	0.04	1.71	1.76	0.04	0.47	0.52	6,233
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.05	0.61	0.00	0.00	0.16	0.16	0.00	0.04	0.04	155

Vendor	0.01	0.31	0.14	< 0.005	< 0.005	0.08	0.08	< 0.005	0.02	0.02	293
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.11	0.00	0.00	0.03	0.03	0.00	0.01	0.01	25.7
Vendor	< 0.005	0.06	0.03	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	48.5
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.9. Building Construction (2028) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.07	2.07	3.09	< 0.005	0.01	—	0.01	0.01	—	0.01	444
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.07	2.07	3.09	< 0.005	0.01	—	0.01	0.01	—	0.01	444
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.05	1.44	2.14	< 0.005	0.01	—	0.01	0.01	—	0.01	308
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.26	0.39	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	51.0
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	1.03	1.02	16.9	0.00	0.00	3.92	3.92	0.00	0.92	0.92	3,970
Vendor	0.03	1.13	0.55	0.01	0.01	0.31	0.32	0.01	0.09	0.09	1,124
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	1.02	1.16	14.4	0.00	0.00	3.92	3.92	0.00	0.92	0.92	3,756
Vendor	0.02	1.18	0.55	0.01	0.01	0.31	0.32	0.01	0.09	0.09	1,122
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Worker	0.70	0.80	10.4	0.00	0.00	2.68	2.68	0.00	0.63	0.63	2,643
Vendor	0.02	0.82	0.38	0.01	0.01	0.21	0.22	0.01	0.06	0.06	778
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—
Worker	0.13	0.15	1.90	0.00	0.00	0.49	0.49	0.00	0.11	0.11	438
Vendor	< 0.005	0.15	0.07	< 0.005	< 0.005	0.04	0.04	< 0.005	0.01	0.01	129
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.11. Building Construction (2029) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.07	2.07	3.09	< 0.005	0.01	—	0.01	0.01	—	0.01	444
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	0.07	2.07	3.09	< 0.005	0.01	—	0.01	0.01	—	0.01	444
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.76	1.13	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	162
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	0.14	0.21	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	26.8
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.99	0.89	15.8	0.00	0.00	3.92	3.92	0.00	0.92	0.92	3,902
Vendor	0.02	1.08	0.52	0.01	0.01	0.31	0.32	0.01	0.09	0.09	1,095
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.97	1.03	13.4	0.00	0.00	3.92	3.92	0.00	0.92	0.92	3,693
Vendor	0.02	1.12	0.53	0.01	0.01	0.31	0.32	0.01	0.09	0.09	1,094
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Worker	0.35	0.37	5.12	0.00	0.00	1.41	1.41	0.00	0.33	0.33	1,365
Vendor	0.01	0.41	0.19	< 0.005	< 0.005	0.11	0.11	< 0.005	0.03	0.03	398
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.07	0.93	0.00	0.00	0.26	0.26	0.00	0.06	0.06	226
Vendor	< 0.005	0.08	0.03	< 0.005	< 0.005	0.02	0.02	< 0.005	0.01	0.01	65.9
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.13. Paving (2029) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.41	3.63	16.3	0.03	0.09	—	0.09	0.09	—	0.09	2,649
Paving	0.07	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.41	3.63	16.3	0.03	0.09	—	0.09	0.09	—	0.09	2,649
Paving	0.07	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.16	1.42	6.38	0.01	0.04	—	0.04	0.04	—	0.04	1,038
Paving	0.03	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.03	0.26	1.16	< 0.005	0.01	—	0.01	0.01	—	0.01	172
Paving	0.01	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.33	0.30	5.27	0.00	0.00	1.31	1.31	0.00	0.31	0.31	1,301

Vendor	0.02	0.90	0.43	0.01	0.01	0.26	0.26	0.01	0.07	0.08	913
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.32	0.34	4.46	0.00	0.00	1.31	1.31	0.00	0.31	0.31	1,231
Vendor	0.02	0.94	0.44	0.01	0.01	0.26	0.26	0.01	0.07	0.08	911
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Worker	0.13	0.13	1.84	0.00	0.00	0.51	0.51	0.00	0.12	0.12	490
Vendor	0.01	0.37	0.17	< 0.005	< 0.005	0.10	0.10	< 0.005	0.03	0.03	357
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.33	0.00	0.00	0.09	0.09	0.00	0.02	0.02	81.1
Vendor	< 0.005	0.07	0.03	< 0.005	< 0.005	0.02	0.02	< 0.005	0.01	0.01	59.1
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.15. Architectural Coating (2029) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	12.5	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	12.5	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Average Daily	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	6.04	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	1.10	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

4. Operations Emissions Details

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Vegetation	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—

4.10.2. Above and Belowground Carbon Accumulation by Land Use Type - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Species	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—

5. Activity Data

5.1. Construction Schedule

Phase Name	Phase Type	Start Date	End Date	Days Per Week	Work Days per Phase	Phase Description
Demolition/Utility Relocation	Demolition	3/2/2027	4/12/2027	5.00	30.0	—
Grading/Shoring/Excavation	Grading	4/13/2027	6/21/2027	5.00	50.0	—
Building Foundation	Building Construction	6/22/2027	1/24/2028	5.00	155	—
Building Construction	Building Construction	1/13/2028	7/5/2029	5.00	386	—
Paving	Paving	2/15/2029	9/3/2029	5.00	143	—
Architectural Coating	Architectural Coating	1/1/2029	9/3/2029	5.00	176	—

5.2. Off-Road Equipment

5.2.1. Unmitigated

Phase Name	Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
Demolition/Utility Relocation	Air Compressors	Diesel	Tier 4 Final	2.00	8.00	37.0	0.48
Demolition/Utility Relocation	Excavators	Diesel	Tier 4 Final	2.00	8.00	158	0.38
Demolition/Utility Relocation	Generator Sets	Diesel	Average	1.00	8.00	14.0	0.74
Demolition/Utility Relocation	Other Construction Equipment	Diesel	Tier 4 Final	1.00	8.00	82.0	0.42
Demolition/Utility Relocation	Skid Steer Loaders	Diesel	Tier 4 Final	3.00	8.00	71.0	0.37
Demolition/Utility Relocation	Tractors/Loaders/Backhoes	Diesel	Tier 4 Final	3.00	8.00	84.0	0.37
Grading/Shoring/Excavation	Bore/Drill Rigs	Diesel	Tier 4 Final	2.00	8.00	83.0	0.50
Grading/Shoring/Excavation	Excavators	Diesel	Tier 4 Final	3.00	8.00	158	0.38

Grading/Shoring/Exca	Other Construction Equipment	Diesel	Tier 4 Final	1.00	8.00	82.0	0.42
Grading/Shoring/Excavation	Plate Compactors	Diesel	Average	2.00	8.00	8.00	0.43
Grading/Shoring/Excavation	Rollers	Diesel	Tier 4 Final	2.00	8.00	36.0	0.38
Grading/Shoring/Excavation	Rubber Tired Loaders	Diesel	Tier 4 Final	2.00	8.00	150	0.36
Grading/Shoring/Excavation	Skid Steer Loaders	Diesel	Tier 4 Final	2.00	8.00	71.0	0.37
Building Foundation	Air Compressors	Diesel	Tier 4 Final	2.00	8.00	37.0	0.48
Building Foundation	Cement and Mortar Mixers	Diesel	Average	1.00	8.00	10.0	0.56
Building Foundation	Concrete/Industrial Saws	Diesel	Tier 4 Final	3.00	8.00	33.0	0.73
Building Foundation	Cranes	Diesel	Tier 4 Final	1.00	8.00	367	0.29
Building Foundation	Cranes	Electric	Average	1.00	8.00	367	0.29
Building Foundation	Excavators	Diesel	Tier 4 Final	1.00	8.00	158	0.38
Building Foundation	Forklifts	Diesel	Tier 4 Final	2.00	8.00	82.0	0.20
Building Foundation	Pumps	Diesel	Average	2.00	8.00	11.0	0.74
Building Foundation	Plate Compactors	Diesel	Average	2.00	8.00	8.00	0.43
Building Foundation	Rough Terrain Forklifts	Diesel	Tier 4 Final	3.00	8.00	96.0	0.40
Building Foundation	Tractors/Loaders/Backhoes	Diesel	Tier 4 Final	2.00	8.00	84.0	0.37
Building Foundation	Welders	Diesel	Tier 4 Final	2.00	8.00	46.0	0.45
Building Construction	Aerial Lifts	Diesel	Tier 4 Final	3.00	8.00	46.0	0.31
Building Construction	Cranes	Electric	Average	1.00	8.00	367	0.29
Paving	Cranes	Diesel	Tier 4 Final	1.00	8.00	367	0.29
Paving	Other Construction Equipment	Diesel	Tier 4 Final	1.00	8.00	82.0	0.42
Paving	Paving Equipment	Diesel	Tier 4 Final	1.00	8.00	89.0	0.36
Paving	Plate Compactors	Diesel	Average	2.00	8.00	8.00	0.43

Paving	Rollers	Diesel	Tier 4 Final	2.00	8.00	36.0	0.38
Paving	Signal Boards	Diesel	Average	2.00	8.00	6.00	0.82
Paving	Tractors/Loaders/Backhoes	Diesel	Tier 4 Final	2.00	8.00	84.0	0.37

5.3. Construction Vehicles

5.3.1. Unmitigated

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix
Demolition/Utility Relocation	—	—	—	—
Demolition/Utility Relocation	Worker	40.0	18.5	LDA,LDT1,LDT2
Demolition/Utility Relocation	Vendor	4.00	10.2	HHDT,MHDT
Demolition/Utility Relocation	Hauling	20.0	25.0	HHDT
Demolition/Utility Relocation	Onsite truck	12.0	0.28	HHDT
Grading/Shoring/Excavation	—	—	—	—
Grading/Shoring/Excavation	Worker	80.0	18.5	LDA,LDT1,LDT2
Grading/Shoring/Excavation	Vendor	6.00	10.2	HHDT,MHDT
Grading/Shoring/Excavation	Hauling	240	25.0	HHDT
Grading/Shoring/Excavation	Onsite truck	123	0.28	HHDT
Building Foundation	—	—	—	—
Building Foundation	Worker	260	18.5	LDA,LDT1,LDT2
Building Foundation	Vendor	200	10.2	HHDT,MHDT
Building Foundation	Hauling	0.00	20.0	HHDT
Building Foundation	Onsite truck	0.00	0.00	HHDT
Paving	—	—	—	—
Paving	Worker	100	18.5	LDA,LDT1,LDT2
Paving	Vendor	30.0	10.2	HHDT,MHDT
Paving	Hauling	0.00	20.0	HHDT
Paving	Onsite truck	0.00	0.00	HHDT

Architectural Coating	—	—	—	—
Architectural Coating	Worker	0.00	18.5	LDA,LDT1,LDT2
Architectural Coating	Vendor	0.00	10.2	HHDT,MHDT
Architectural Coating	Hauling	0.00	20.0	HHDT
Architectural Coating	Onsite truck	0.00	0.00	HHDT
Building Construction	—	—	—	—
Building Construction	Worker	300	18.5	LDA,LDT1,LDT2
Building Construction	Vendor	36.0	10.2	HHDT,MHDT
Building Construction	Hauling	0.00	20.0	HHDT
Building Construction	Onsite truck	0.00	0.00	HHDT

5.4. Vehicles

5.4.1. Construction Vehicle Control Strategies

Control Strategies Applied	PM10 Reduction	PM2.5 Reduction
Water unpaved roads twice daily	55%	55%
Limit vehicle speeds on unpaved roads to 25 mph	44%	44%

5.5. Architectural Coatings

Phase Name	Residential Interior Area Coated (sq ft)	Residential Exterior Area Coated (sq ft)	Non-Residential Interior Area Coated (sq ft)	Non-Residential Exterior Area Coated (sq ft)	Parking Area Coated (sq ft)
Architectural Coating	681,415	227,138	9,600	1,440	10,562

5.6. Dust Mitigation

5.6.1. Construction Earthmoving Activities

Phase Name	Material Imported (Cubic Yards)	Material Exported (Cubic Yards)	Acres Graded (acres)	Material Demolished (Building Square Footage)	Acres Paved (acres)

Demolition/Utility Relocation	0.00	0.00	0.00	0.00	—
Grading/Shoring/Excavation	0.00	73,440	0.00	0.00	—
Paving	0.00	0.00	0.00	0.00	4.04

5.6.2. Construction Earthmoving Control Strategies

Control Strategies Applied	Frequency (per day)	PM10 Reduction	PM2.5 Reduction
Water Exposed Area	3	74%	74%
Water Demolished Area	2	36%	36%

5.7. Construction Paving

Land Use	Area Paved (acres)	% Asphalt
Apartments Mid Rise	—	0%
High Turnover (Sit Down Restaurant)	0.00	0%
Recreational Swimming Pool	0.00	0%
Enclosed Parking with Elevator	4.04	100%

5.8. Construction Electricity Consumption and Emissions Factors

kWh per Year and Emission Factor (lb/MWh)

Year	kWh per Year	CO2	CH4	N2O
2027	635	406	0.05	0.01
2028	1,270	386	0.05	0.01
2029	635	365	0.05	0.01

5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres

5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

Biomass Cover Type	Initial Acres	Final Acres

5.18.2. Sequestration

5.18.2.1. Unmitigated

Tree Type	Number	Electricity Saved (kWh/year)	Natural Gas Saved (btu/year)

6. Climate Risk Detailed Report

6.1. Climate Risk Summary

Cal-Adapt midcentury 2040–2059 average projections for four hazards are reported below for your project location. These are under Representation Concentration Pathway (RCP) 8.5 which assumes GHG emissions will continue to rise strongly through 2050 and then plateau around 2100.

Climate Hazard	Result for Project Location	Unit
Temperature and Extreme Heat	9.52	annual days of extreme heat
Extreme Precipitation	6.15	annual days with precipitation above 20 mm
Sea Level Rise	—	meters of inundation depth
Wildfire	0.00	annual hectares burned

Temperature and Extreme Heat data are for grid cell in which your project are located. The projection is based on the 98th historical percentile of daily maximum/minimum temperatures from observed historical data (32 climate model ensemble from Cal-Adapt, 2040–2059 average under RCP 8.5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.
Extreme Precipitation data are for the grid cell in which your project are located. The threshold of 20 mm is equivalent to about ¾ an inch of rain, which would be light to moderate rainfall if received over a full day or heavy rain if received over a period of 2 to 4 hours. Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.
Sea Level Rise data are for the grid cell in which your project are located. The projections are from Radke et al. (2017), as reported in Cal-Adapt (Radke et al., 2017, CEC-500-2017-008), and consider inundation location and depth for the San Francisco Bay, the Sacramento-San Joaquin River Delta and California coast resulting different increments of sea level rise coupled with extreme storm events. Users may select from four scenarios to view the range in potential inundation depth for the grid cell. The four scenarios are: No rise, 0.5 meter, 1.0 meter, 1.41 meters

Wildfire data are for the grid cell in which your project are located. The projections are from UC Davis, as reported in Cal-Adapt (2040–2059 average under RCP 8.5), and consider historical data of climate, vegetation, population density, and large (> 400 ha) fire history. Users may select from four model simulations to view the range in potential wildfire probabilities for the grid cell. The four simulations make different assumptions about expected rainfall and temperature are: Warmer/drier (HadGEM2-ES), Cooler/wetter (CNRM-CM5), Average conditions (CanESM2), Range of different rainfall and temperature possibilities (MIROC5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.

6.2. Initial Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	N/A	N/A	N/A	N/A
Extreme Precipitation	N/A	N/A	N/A	N/A
Sea Level Rise	N/A	N/A	N/A	N/A
Wildfire	N/A	N/A	N/A	N/A
Flooding	N/A	N/A	N/A	N/A
Drought	N/A	N/A	N/A	N/A
Snowpack Reduction	N/A	N/A	N/A	N/A
Air Quality Degradation	N/A	N/A	N/A	N/A

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.
The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.
The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores do not include implementation of climate risk reduction measures.

6.3. Adjusted Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	N/A	N/A	N/A	N/A
Extreme Precipitation	N/A	N/A	N/A	N/A
Sea Level Rise	N/A	N/A	N/A	N/A
Wildfire	N/A	N/A	N/A	N/A
Flooding	N/A	N/A	N/A	N/A
Drought	N/A	N/A	N/A	N/A
Snowpack Reduction	N/A	N/A	N/A	N/A
Air Quality Degradation	N/A	N/A	N/A	N/A

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.
The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.
The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores include implementation of climate risk reduction measures.

6.4. Climate Risk Reduction Measures

7. Health and Equity Details

7.1. CalEnviroScreen 4.0 Scores

The maximum CalEnviroScreen score is 100. A high score (i.e., greater than 50) reflects a higher pollution burden compared to other census tracts in the state.

Indicator	Result for Project Census Tract
Exposure Indicators	—
AQ-Ozone	50.5
AQ-PM	89.2
AQ-DPM	95.5
Drinking Water	92.5
Lead Risk Housing	71.6
Pesticides	0.00
Toxic Releases	82.2
Traffic	85.9
Effect Indicators	—
CleanUp Sites	97.2
Groundwater	78.1
Haz Waste Facilities/Generators	98.8
Impaired Water Bodies	66.7
Solid Waste	96.0
Sensitive Population	—
Asthma	97.7

Cardio-vascular	65.1
Low Birth Weights	71.6
Socioeconomic Factor Indicators	—
Education	74.4
Housing	68.5
Linguistic	91.8
Poverty	75.4
Unemployment	79.7

7.2. Healthy Places Index Scores

The maximum Health Places Index score is 100. A high score (i.e., greater than 50) reflects healthier community conditions compared to other census tracts in the state.

Indicator	Result for Project Census Tract
Economic	—
Above Poverty	10.5350956
Employed	49.30065443
Median HI	4.273065572
Education	—
Bachelor's or higher	63.26190171
High school enrollment	100
Preschool enrollment	95.7141024
Transportation	—
Auto Access	1.180546644
Active commuting	97.42076222
Social	—
2-parent households	4.119081227
Voting	13.0373412
Neighborhood	—
Alcohol availability	9.5983575

Park access	81.35506224
Retail density	43.6160657
Supermarket access	82.8564096
Tree canopy	14.50019248
Housing	—
Homeownership	6.723983062
Housing habitability	0.166816374
Low-inc homeowner severe housing cost burden	1.475683306
Low-inc renter severe housing cost burden	66.38008469
Uncrowded housing	6.300526113
Health Outcomes	—
Insured adults	5.902733222
Arthritis	53.0
Asthma ER Admissions	1.4
High Blood Pressure	12.0
Cancer (excluding skin)	82.6
Asthma	21.6
Coronary Heart Disease	15.5
Chronic Obstructive Pulmonary Disease	14.4
Diagnosed Diabetes	11.3
Life Expectancy at Birth	5.1
Cognitively Disabled	13.7
Physically Disabled	6.4
Heart Attack ER Admissions	46.0
Mental Health Not Good	14.9
Chronic Kidney Disease	20.1
Obesity	9.6
Pedestrian Injuries	100.0

Physical Health Not Good	12.4
Stroke	13.0
Health Risk Behaviors	—
Binge Drinking	60.3
Current Smoker	7.4
No Leisure Time for Physical Activity	24.7
Climate Change Exposures	—
Wildfire Risk	0.0
SLR Inundation Area	0.0
Children	76.4
Elderly	97.3
English Speaking	7.7
Foreign-born	75.6
Outdoor Workers	46.0
Climate Change Adaptive Capacity	—
Impervious Surface Cover	0.0
Traffic Density	90.2
Traffic Access	87.4
Other Indices	—
Hardship	82.8
Other Decision Support	—
2016 Voting	5.0

7.3. Overall Health & Equity Scores

Metric	Result for Project Census Tract
CalEnviroScreen 4.0 Score for Project Location (a)	100
Healthy Places Index Score for Project Location (b)	14.0
Project Located in a Designated Disadvantaged Community (Senate Bill 535)	Yes

Project Located in a Low-Income Community (Assembly Bill 1550)	Yes
Project Located in a Community Air Protection Program Community (Assembly Bill 617)	No

a: The maximum CalEnviroScreen score is 100. A high score (i.e., greater than 50) reflects a higher pollution burden compared to other census tracts in the state.
b: The maximum Health Places Index score is 100. A high score (i.e., greater than 50) reflects healthier community conditions compared to other census tracts in the state.

7.4. Health & Equity Measures

No Health & Equity Measures selected.

7.5. Evaluation Scorecard

Health & Equity Evaluation Scorecard not completed.

7.6. Health & Equity Custom Measures

No Health & Equity Custom Measures created.

8. User Changes to Default Data

Screen	Justification
Construction: Construction Phases	see construction assumptions
Construction: Off-Road Equipment	see construction assumptions
Construction: Trips and VMT	see construction assumptions
Construction: On-Road Fugitive Dust	see construction assumptions
Construction: Electricity	Carbon intensity for construction years
Land Use	Project Specific

DTLA Row - Construction South Lot Building B Detailed Report

Table of Contents

1. Basic Project Information

1.1. Basic Project Information

1.2. Land Use Types

1.3. User-Selected Emission Reduction Measures by Emissions Sector

2. Emissions Summary

2.1. Construction Emissions Compared Against Thresholds

2.2. Construction Emissions by Year, Unmitigated

3. Construction Emissions Details

3.1. Demolition/Utility Relocation (2026) - Unmitigated

3.3. Grading/Shoring/Excavation (2026) - Unmitigated

3.5. Building Foundation (2026) - Unmitigated

3.7. Building Foundation (2027) - Unmitigated

3.9. Building Construction (2027) - Unmitigated

3.11. Building Construction (2028) - Unmitigated

3.13. Paving (2028) - Unmitigated

3.15. Architectural Coating (2028) - Unmitigated

4. Operations Emissions Details

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

4.10.2. Above and Belowground Carbon Accumulation by Land Use Type - Unmitigated

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

5. Activity Data

5.1. Construction Schedule

5.2. Off-Road Equipment

5.2.1. Unmitigated

5.3. Construction Vehicles

5.3.1. Unmitigated

5.4. Vehicles

5.4.1. Construction Vehicle Control Strategies

5.5. Architectural Coatings

5.6. Dust Mitigation

5.6.1. Construction Earthmoving Activities

5.6.2. Construction Earthmoving Control Strategies

5.7. Construction Paving

5.8. Construction Electricity Consumption and Emissions Factors

5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

5.18.2. Sequestration

5.18.2.1. Unmitigated

6. Climate Risk Detailed Report

6.1. Climate Risk Summary

6.2. Initial Climate Risk Scores

6.3. Adjusted Climate Risk Scores

6.4. Climate Risk Reduction Measures

7. Health and Equity Details

7.1. CalEnviroScreen 4.0 Scores

7.2. Healthy Places Index Scores

7.3. Overall Health & Equity Scores

7.4. Health & Equity Measures

7.5. Evaluation Scorecard

7.6. Health & Equity Custom Measures

8. User Changes to Default Data

1. Basic Project Information

1.1. Basic Project Information

Data Field	Value
Project Name	DTLA Row - Construction South Lot Building B
Construction Start Date	6/2/2026
Lead Agency	—
Land Use Scale	Project/site
Analysis Level for Defaults	County
Windspeed (m/s)	0.50
Precipitation (days)	18.4
Location	34.032905802980835, -118.23935798232272
County	Los Angeles-South Coast
City	Los Angeles
Air District	South Coast AQMD
Air Basin	South Coast
TAZ	4066
EDFZ	16
Electric Utility	Los Angeles Department of Water & Power
Gas Utility	Southern California Gas
App Version	2022.1.1.29

1.2. Land Use Types

Land Use Subtype	Size	Unit	Lot Acreage	Building Area (sq ft)	Landscape Area (sq ft)	Special Landscape Area (sq ft)	Population	Description
Apartments Mid Rise	214	Dwelling Unit	1.01	182,605	6,957	0.00	633	—

Recreational Swimming Pool	0.40	1000sqft	0.00	397	0.00	0.00	—	—
Enclosed Parking with Elevator	204	Space	1.84	81,600	0.00	0.00	—	—

1.3. User-Selected Emission Reduction Measures by Emissions Sector

No measures selected

2. Emissions Summary

2.1. Construction Emissions Compared Against Thresholds

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Un/Mit.	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Unmit.	9.30	39.0	58.6	0.21	0.44	20.3	20.7	0.43	3.27	3.70	30,427
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Unmit.	9.29	18.9	54.8	0.09	0.21	7.17	7.35	0.18	1.75	1.93	16,240
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—
Unmit.	3.78	8.24	16.2	0.04	0.10	3.20	3.30	0.09	0.63	0.68	6,237
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—
Unmit.	0.69	1.50	2.95	0.01	0.02	0.58	0.60	0.02	0.12	0.12	1,033

2.2. Construction Emissions by Year, Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Year	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—

2026	1.52	39.0	53.8	0.21	0.44	20.3	20.7	0.43	3.27	3.70	30,427
2027	2.39	18.3	58.6	0.09	0.19	7.17	7.35	0.18	1.75	1.93	16,563
2028	9.30	7.51	36.4	0.04	0.11	4.75	4.86	0.11	1.14	1.24	9,098
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
2026	1.47	15.5	40.8	0.08	0.21	3.72	3.93	0.17	0.93	1.10	11,890
2027	2.35	18.9	54.8	0.09	0.19	7.17	7.35	0.18	1.75	1.93	16,240
2028	9.29	7.75	33.7	0.04	0.11	4.75	4.86	0.11	1.14	1.24	8,867
Average Daily	—	—	—	—	—	—	—	—	—	—	—
2026	0.49	8.24	15.0	0.04	0.10	3.20	3.30	0.09	0.59	0.68	6,237
2027	0.79	4.86	16.2	0.02	0.04	2.62	2.66	0.04	0.63	0.67	4,740
2028	3.78	2.68	12.0	0.02	0.04	1.52	1.56	0.04	0.36	0.40	3,055
Annual	—	—	—	—	—	—	—	—	—	—	—
2026	0.09	1.50	2.74	0.01	0.02	0.58	0.60	0.02	0.11	0.12	1,033
2027	0.14	0.89	2.95	< 0.005	0.01	0.48	0.49	0.01	0.12	0.12	785
2028	0.69	0.49	2.18	< 0.005	0.01	0.28	0.29	0.01	0.07	0.07	506

3. Construction Emissions Details

3.1. Demolition/Utility Relocation (2026) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.35	5.63	14.7	0.02	0.07	—	0.07	0.07	—	0.07	2,127
Demolition	—	—	—	—	—	0.00	0.00	—	0.00	0.00	—
Onsite truck	0.01	0.18	0.13	< 0.005	< 0.005	0.84	0.84	< 0.005	0.08	0.08	33.0

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.04	0.63	1.65	< 0.005	0.01	—	0.01	0.01	—	0.01	239
Demolition	—	—	—	—	—	0.00	0.00	—	0.00	0.00	—
Onsite truck	< 0.005	0.02	0.01	< 0.005	< 0.005	0.09	0.09	< 0.005	0.01	0.01	3.72
Annual	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.12	0.30	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	39.6
Demolition	—	—	—	—	—	0.00	0.00	—	0.00	0.00	—
Onsite truck	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	< 0.005	0.62
Offsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.15	0.16	2.58	0.00	0.00	0.52	0.52	0.00	0.12	0.12	550
Vendor	< 0.005	0.14	0.07	< 0.005	< 0.005	0.03	0.04	< 0.005	0.01	0.01	130
Hauling	0.02	1.98	0.75	0.01	0.02	0.46	0.49	0.02	0.13	0.15	1,779
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.26	0.00	0.00	0.06	0.06	0.00	0.01	0.01	59.4
Vendor	< 0.005	0.02	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	14.6
Hauling	< 0.005	0.23	0.08	< 0.005	< 0.005	0.05	0.05	< 0.005	0.01	0.02	200
Annual	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.05	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	9.83
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	2.42
Hauling	< 0.005	0.04	0.02	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	33.0

3.3. Grading/Shoring/Excavation (2026) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.39	4.85	21.2	0.03	0.08	—	0.08	0.07	—	0.07	3,035
Dust From Material Movement	—	—	—	—	—	< 0.005	< 0.005	—	< 0.005	< 0.005	—
Onsite truck	0.08	1.84	1.35	< 0.005	< 0.005	12.0	12.0	< 0.005	1.20	1.20	341
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.05	0.61	2.67	< 0.005	0.01	—	0.01	0.01	—	0.01	382
Dust From Material Movement	—	—	—	—	—	< 0.005	< 0.005	—	< 0.005	< 0.005	—
Onsite truck	0.01	0.24	0.17	< 0.005	< 0.005	1.43	1.43	< 0.005	0.14	0.14	43.2
Annual	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.11	0.49	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	63.3
Dust From Material Movement	—	—	—	—	—	< 0.005	< 0.005	—	< 0.005	< 0.005	—
Onsite truck	< 0.005	0.04	0.03	< 0.005	< 0.005	0.26	0.26	< 0.005	0.03	0.03	7.15
Offsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.22	0.23	3.88	0.00	0.00	0.78	0.78	0.00	0.18	0.18	825
Vendor	0.01	0.27	0.13	< 0.005	< 0.005	0.07	0.07	< 0.005	0.02	0.02	261
Hauling	0.29	23.7	9.03	0.14	0.26	5.56	5.83	0.26	1.52	1.79	21,346

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Worker	0.03	0.04	0.44	0.00	0.00	0.10	0.10	0.00	0.02	0.02	99.9
Vendor	< 0.005	0.04	0.02	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	32.8
Hauling	0.04	3.15	1.14	0.02	0.03	0.69	0.73	0.03	0.19	0.22	2,687
Annual	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.08	0.00	0.00	0.02	0.02	0.00	< 0.005	< 0.005	16.5
Vendor	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	5.44
Hauling	0.01	0.57	0.21	< 0.005	0.01	0.13	0.13	0.01	0.03	0.04	445

3.5. Building Foundation (2026) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.67	9.01	28.2	0.05	0.14	—	0.14	0.13	—	0.13	4,342
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.67	9.01	28.2	0.05	0.14	—	0.14	0.13	—	0.13	4,342
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.14	1.87	5.85	0.01	0.03	—	0.03	0.03	—	0.03	901
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	0.03	0.34	1.07	< 0.005	0.01	—	0.01	0.01	—	0.01	149
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.66	0.70	11.6	0.00	0.00	2.35	2.35	0.00	0.55	0.55	2,475
Vendor	0.15	5.50	2.66	0.04	0.07	1.37	1.44	0.04	0.38	0.41	5,219
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.66	0.78	9.92	0.00	0.00	2.35	2.35	0.00	0.55	0.55	2,340
Vendor	0.14	5.75	2.72	0.04	0.07	1.37	1.44	0.04	0.38	0.41	5,209
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Worker	0.14	0.18	2.15	0.00	0.00	0.48	0.48	0.00	0.11	0.11	493
Vendor	0.03	1.20	0.56	0.01	0.01	0.28	0.30	0.01	0.08	0.09	1,081
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.03	0.39	0.00	0.00	0.09	0.09	0.00	0.02	0.02	81.7
Vendor	0.01	0.22	0.10	< 0.005	< 0.005	0.05	0.05	< 0.005	0.01	0.02	179
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.7. Building Foundation (2027) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	0.67	9.01	28.2	0.05	0.14	—	0.14	0.13	—	0.13	4,341
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.67	9.01	28.2	0.05	0.14	—	0.14	0.13	—	0.13	4,341
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.12	1.62	5.08	0.01	0.02	—	0.02	0.02	—	0.02	782
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.30	0.93	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	129
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.64	0.62	10.8	0.00	0.00	2.35	2.35	0.00	0.55	0.55	2,427
Vendor	0.15	5.27	2.51	0.04	0.04	1.37	1.40	0.04	0.38	0.41	5,111
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.63	0.78	9.16	0.00	0.00	2.35	2.35	0.00	0.55	0.55	2,294
Vendor	0.14	5.48	2.57	0.04	0.04	1.37	1.40	0.04	0.38	0.41	5,101
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Worker	0.11	0.14	1.73	0.00	0.00	0.42	0.42	0.00	0.10	0.10	420
Vendor	0.03	0.99	0.46	0.01	0.01	0.24	0.25	0.01	0.07	0.07	919
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Annual	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.03	0.32	0.00	0.00	0.08	0.08	0.00	0.02	0.02	69.5
Vendor	< 0.005	0.18	0.08	< 0.005	< 0.005	0.04	0.05	< 0.005	0.01	0.01	152
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.9. Building Construction (2027) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.05	1.38	2.06	< 0.005	0.01	—	0.01	0.01	—	0.01	296
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.05	1.38	2.06	< 0.005	0.01	—	0.01	0.01	—	0.01	296
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.03	0.80	1.19	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	170
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	0.15	0.22	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	28.2
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.85	0.83	14.4	0.00	0.00	3.14	3.14	0.00	0.74	0.74	3,237

Vendor	0.03	1.18	0.56	0.01	0.01	0.31	0.32	0.01	0.09	0.09	1,150
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.84	1.03	12.2	0.00	0.00	3.14	3.14	0.00	0.74	0.74	3,059
Vendor	0.03	1.23	0.58	0.01	0.01	0.31	0.32	0.01	0.09	0.09	1,148
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Worker	0.48	0.60	7.39	0.00	0.00	1.78	1.78	0.00	0.42	0.42	1,788
Vendor	0.02	0.71	0.33	< 0.005	< 0.005	0.18	0.18	< 0.005	0.05	0.05	661
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—
Worker	0.09	0.11	1.35	0.00	0.00	0.33	0.33	0.00	0.08	0.08	296
Vendor	< 0.005	0.13	0.06	< 0.005	< 0.005	0.03	0.03	< 0.005	0.01	0.01	109
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.11. Building Construction (2028) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.05	1.38	2.06	< 0.005	0.01	—	0.01	0.01	—	0.01	296
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.05	1.38	2.06	< 0.005	0.01	—	0.01	0.01	—	0.01	296
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Average Daily	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.42	0.63	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	89.9
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	0.08	0.11	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	14.9
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.82	0.82	13.5	0.00	0.00	3.14	3.14	0.00	0.74	0.74	3,176
Vendor	0.03	1.13	0.55	0.01	0.01	0.31	0.32	0.01	0.09	0.09	1,124
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.81	0.93	11.5	0.00	0.00	3.14	3.14	0.00	0.74	0.74	3,005
Vendor	0.02	1.18	0.55	0.01	0.01	0.31	0.32	0.01	0.09	0.09	1,122
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Worker	0.25	0.28	3.65	0.00	0.00	0.94	0.94	0.00	0.22	0.22	926
Vendor	0.01	0.36	0.16	< 0.005	< 0.005	0.09	0.09	< 0.005	0.03	0.03	341
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.05	0.67	0.00	0.00	0.17	0.17	0.00	0.04	0.04	153
Vendor	< 0.005	0.07	0.03	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	0.01	56.4
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.13. Paving (2028) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.39	2.96	15.3	0.02	0.09	—	0.09	0.09	—	0.09	2,507
Paving	0.03	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.39	2.96	15.3	0.02	0.09	—	0.09	0.09	—	0.09	2,507
Paving	0.03	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.15	1.13	5.82	0.01	0.03	—	0.03	0.03	—	0.03	955
Paving	0.01	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.03	0.21	1.06	< 0.005	0.01	—	0.01	0.01	—	0.01	158
Paving	< 0.005	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.27	0.27	4.51	0.00	0.00	1.05	1.05	0.00	0.25	0.25	1,059
Vendor	0.02	0.94	0.45	0.01	0.01	0.26	0.26	0.01	0.07	0.08	936
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.27	0.31	3.84	0.00	0.00	1.05	1.05	0.00	0.25	0.25	1,002
Vendor	0.02	0.98	0.46	0.01	0.01	0.26	0.26	0.01	0.07	0.08	935
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Worker	0.10	0.12	1.53	0.00	0.00	0.39	0.39	0.00	0.09	0.09	387
Vendor	0.01	0.38	0.17	< 0.005	< 0.005	0.10	0.10	< 0.005	0.03	0.03	356
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.28	0.00	0.00	0.07	0.07	0.00	0.02	0.02	64.2
Vendor	< 0.005	0.07	0.03	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	0.01	59.0
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.15. Architectural Coating (2028) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	7.69	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	7.69	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—

Architectural Coatings	3.24	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.59	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

4. Operations Emissions Details

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Vegetation	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—

4.10.2. Above and Belowground Carbon Accumulation by Land Use Type - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Species	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—

5. Activity Data

5.1. Construction Schedule

Phase Name	Phase Type	Start Date	End Date	Days Per Week	Work Days per Phase	Phase Description
Demolition/Utility Relocation	Demolition	6/2/2026	7/28/2026	5.00	41.0	—
Grading/Shoring/Excavation	Grading	7/15/2026	9/16/2026	5.00	46.0	—
Building Foundation	Building Construction	9/17/2026	4/2/2027	5.00	142	—
Building Construction	Building Construction	3/13/2027	6/3/2028	5.00	320	—
Paving	Paving	1/22/2028	8/3/2028	5.00	139	—
Architectural Coating	Architectural Coating	1/1/2028	8/3/2028	5.00	154	—

5.2. Off-Road Equipment

5.2.1. Unmitigated

Phase Name	Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
Demolition/Utility Relocation	Air Compressors	Diesel	Tier 4 Final	2.00	8.00	37.0	0.48
Demolition/Utility Relocation	Excavators	Diesel	Tier 4 Final	1.00	8.00	158	0.38
Demolition/Utility Relocation	Generator Sets	Diesel	Average	1.00	8.00	14.0	0.74
Demolition/Utility Relocation	Other Construction Equipment	Diesel	Tier 4 Final	1.00	8.00	82.0	0.42
Demolition/Utility Relocation	Skid Steer Loaders	Diesel	Tier 4 Final	2.00	8.00	71.0	0.37
Demolition/Utility Relocation	Tractors/Loaders/Backhoes	Diesel	Tier 4 Final	1.00	8.00	84.0	0.37
Grading/Shoring/Excavation	Bore/Drill Rigs	Diesel	Tier 4 Final	1.00	8.00	83.0	0.50
Grading/Shoring/Excavation	Excavators	Diesel	Tier 4 Final	2.00	8.00	158	0.38

Grading/Shoring/Exca	Other Construction Equipment	Diesel	Tier 4 Final	1.00	8.00	82.0	0.42
Grading/Shoring/Excavation	Plate Compactors	Diesel	Average	2.00	8.00	8.00	0.43
Grading/Shoring/Excavation	Rollers	Diesel	Tier 4 Final	1.00	8.00	36.0	0.38
Grading/Shoring/Excavation	Rubber Tired Loaders	Diesel	Tier 4 Final	1.00	8.00	150	0.36
Grading/Shoring/Excavation	Skid Steer Loaders	Diesel	Tier 4 Final	2.00	8.00	71.0	0.37
Building Foundation	Air Compressors	Diesel	Tier 4 Final	2.00	8.00	37.0	0.48
Building Foundation	Cement and Mortar Mixers	Diesel	Average	1.00	8.00	10.0	0.56
Building Foundation	Concrete/Industrial Saws	Diesel	Tier 4 Final	2.00	8.00	33.0	0.73
Building Foundation	Cranes	Diesel	Tier 4 Final	1.00	8.00	367	0.29
Building Foundation	Excavators	Diesel	Tier 4 Final	1.00	8.00	158	0.38
Building Foundation	Forklifts	Diesel	Tier 4 Final	2.00	8.00	82.0	0.20
Building Foundation	Pumps	Diesel	Average	1.00	8.00	11.0	0.74
Building Foundation	Plate Compactors	Diesel	Average	2.00	8.00	8.00	0.43
Building Foundation	Rough Terrain Forklifts	Diesel	Tier 4 Final	2.00	8.00	96.0	0.40
Building Foundation	Tractors/Loaders/Backhoes	Diesel	Tier 4 Final	1.00	8.00	84.0	0.37
Building Foundation	Welders	Diesel	Tier 4 Final	2.00	8.00	46.0	0.45
Building Construction	Aerial Lifts	Diesel	Tier 4 Final	2.00	8.00	46.0	0.31
Paving	Cranes	Diesel	Tier 4 Final	1.00	8.00	367	0.29
Paving	Other Construction Equipment	Diesel	Tier 4 Final	1.00	8.00	82.0	0.42
Paving	Paving Equipment	Diesel	Tier 4 Final	1.00	8.00	89.0	0.36
Paving	Plate Compactors	Diesel	Average	2.00	8.00	8.00	0.43
Paving	Rollers	Diesel	Tier 4 Final	1.00	8.00	36.0	0.38
Paving	Signal Boards	Diesel	Average	2.00	8.00	6.00	0.82

Paving	Tractors/Loaders/Back	Diesel	Tier 4 Final	2.00	8.00	84.0	0.37

5.3. Construction Vehicles

5.3.1. Unmitigated

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix
Demolition/Utility Relocation	—	—	—	—
Demolition/Utility Relocation	Worker	40.0	18.5	LDA,LDT1,LDT2
Demolition/Utility Relocation	Vendor	4.00	10.2	HHDT,MHDT
Demolition/Utility Relocation	Hauling	20.0	25.0	HHDT
Demolition/Utility Relocation	Onsite truck	12.0	0.28	HHDT
Grading/Shoring/Excavation	—	—	—	—
Grading/Shoring/Excavation	Worker	60.0	18.5	LDA,LDT1,LDT2
Grading/Shoring/Excavation	Vendor	8.00	10.2	HHDT,MHDT
Grading/Shoring/Excavation	Hauling	240	25.0	HHDT
Grading/Shoring/Excavation	Onsite truck	124	0.28	HHDT
Building Foundation	—	—	—	—
Building Foundation	Worker	180	18.5	LDA,LDT1,LDT2
Building Foundation	Vendor	160	10.2	HHDT,MHDT
Building Foundation	Hauling	0.00	20.0	HHDT
Building Foundation	Onsite truck	0.00	0.00	HHDT
Paving	—	—	—	—
Paving	Worker	80.0	18.5	LDA,LDT1,LDT2
Paving	Vendor	30.0	10.2	HHDT,MHDT
Paving	Hauling	0.00	20.0	HHDT
Paving	Onsite truck	0.00	0.00	HHDT
Architectural Coating	—	—	—	—
Architectural Coating	Worker	0.00	18.5	LDA,LDT1,LDT2

Architectural Coating	Vendor	0.00	10.2	HHDT,MHDT
Architectural Coating	Hauling	0.00	20.0	HHDT
Architectural Coating	Onsite truck	0.00	0.00	HHDT
Building Construction	—	—	—	—
Building Construction	Worker	240	18.5	LDA,LDT1,LDT2
Building Construction	Vendor	36.0	10.2	HHDT,MHDT
Building Construction	Hauling	0.00	20.0	HHDT
Building Construction	Onsite truck	0.00	0.00	HHDT

5.4. Vehicles

5.4.1. Construction Vehicle Control Strategies

Control Strategies Applied	PM10 Reduction	PM2.5 Reduction
Water unpaved roads twice daily	55%	55%
Limit vehicle speeds on unpaved roads to 25 mph	44%	44%

5.5. Architectural Coatings

Phase Name	Residential Interior Area Coated (sq ft)	Residential Exterior Area Coated (sq ft)	Non-Residential Interior Area Coated (sq ft)	Non-Residential Exterior Area Coated (sq ft)	Parking Area Coated (sq ft)
Architectural Coating	369,775	123,258	3,599	400	4,799

5.6. Dust Mitigation

5.6.1. Construction Earthmoving Activities

Phase Name	Material Imported (Cubic Yards)	Material Exported (Cubic Yards)	Acres Graded (acres)	Material Demolished (Building Square Footage)	Acres Paved (acres)
Demolition/Utility Relocation	0.00	0.00	0.00	0.00	—
Grading/Shoring/Excavation	0.00	42,960	0.00	0.00	—

Paving	0.00	0.00	0.00	0.00	1.84

5.6.2. Construction Earthmoving Control Strategies

Control Strategies Applied	Frequency (per day)	PM10 Reduction	PM2.5 Reduction
Water Exposed Area	3	74%	74%
Water Demolished Area	2	36%	36%

5.7. Construction Paving

Land Use	Area Paved (acres)	% Asphalt
Apartments Mid Rise	—	0%
Recreational Swimming Pool	0.00	0%
Enclosed Parking with Elevator	1.84	100%

5.8. Construction Electricity Consumption and Emissions Factors

kWh per Year and Emission Factor (lb/MWh)

Year	kWh per Year	CO2	CH4	N2O
2027	0.00	690	0.05	0.01
2028	0.00	690	0.05	0.01
2026	0.00	690	0.05	0.01

5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres

5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

Biomass Cover Type	Initial Acres	Final Acres

5.18.2. Sequestration

5.18.2.1. Unmitigated

Tree Type	Number	Electricity Saved (kWh/year)	Natural Gas Saved (btu/year)

6. Climate Risk Detailed Report

6.1. Climate Risk Summary

Cal-Adapt midcentury 2040–2059 average projections for four hazards are reported below for your project location. These are under Representation Concentration Pathway (RCP) 8.5 which assumes GHG emissions will continue to rise strongly through 2050 and then plateau around 2100.

Climate Hazard	Result for Project Location	Unit
Temperature and Extreme Heat	9.52	annual days of extreme heat
Extreme Precipitation	6.15	annual days with precipitation above 20 mm
Sea Level Rise	—	meters of inundation depth
Wildfire	0.00	annual hectares burned

Temperature and Extreme Heat data are for grid cell in which your project are located. The projection is based on the 98th historical percentile of daily maximum/minimum temperatures from observed historical data (32 climate model ensemble from Cal-Adapt, 2040–2059 average under RCP 8.5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.
Extreme Precipitation data are for the grid cell in which your project are located. The threshold of 20 mm is equivalent to about ¾ an inch of rain, which would be light to moderate rainfall if received over a full day or heavy rain if received over a period of 2 to 4 hours. Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.
Sea Level Rise data are for the grid cell in which your project are located. The projections are from Radke et al. (2017), as reported in Cal-Adapt (Radke et al., 2017, CEC-500-2017-008), and consider inundation location and depth for the San Francisco Bay, the Sacramento-San Joaquin River Delta and California coast resulting different increments of sea level rise coupled with extreme storm events. Users may select from four scenarios to view the range in potential inundation depth for the grid cell. The four scenarios are: No rise, 0.5 meter, 1.0 meter, 1.41 meters
Wildfire data are for the grid cell in which your project are located. The projections are from UC Davis, as reported in Cal-Adapt (2040–2059 average under RCP 8.5), and consider historical data of climate, vegetation, population density, and large (> 400 ha) fire history. Users may select from four model simulations to view the range in potential wildfire probabilities for the grid cell. The four simulations make different assumptions about expected rainfall and temperature are: Warmer/drier (HadGEM2-ES), Cooler/wetter (CNRM-CM5), Average conditions (CanESM2), Range of different rainfall and temperature possibilities (MIROC5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.

6.2. Initial Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	N/A	N/A	N/A	N/A
Extreme Precipitation	N/A	N/A	N/A	N/A
Sea Level Rise	N/A	N/A	N/A	N/A
Wildfire	N/A	N/A	N/A	N/A
Flooding	N/A	N/A	N/A	N/A
Drought	N/A	N/A	N/A	N/A
Snowpack Reduction	N/A	N/A	N/A	N/A
Air Quality Degradation	N/A	N/A	N/A	N/A

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.
The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.
The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores do not include implementation of climate risk reduction measures.

6.3. Adjusted Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	N/A	N/A	N/A	N/A
Extreme Precipitation	N/A	N/A	N/A	N/A
Sea Level Rise	N/A	N/A	N/A	N/A
Wildfire	N/A	N/A	N/A	N/A
Flooding	N/A	N/A	N/A	N/A
Drought	N/A	N/A	N/A	N/A
Snowpack Reduction	N/A	N/A	N/A	N/A
Air Quality Degradation	N/A	N/A	N/A	N/A

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.

The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.
The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores include implementation of climate risk reduction measures.

6.4. Climate Risk Reduction Measures

7. Health and Equity Details

7.1. CalEnviroScreen 4.0 Scores

The maximum CalEnviroScreen score is 100. A high score (i.e., greater than 50) reflects a higher pollution burden compared to other census tracts in the state.

Indicator	Result for Project Census Tract
Exposure Indicators	—
AQ-Ozone	50.5
AQ-PM	89.2
AQ-DPM	95.5
Drinking Water	92.5
Lead Risk Housing	71.6
Pesticides	0.00
Toxic Releases	82.2
Traffic	85.9
Effect Indicators	—
CleanUp Sites	97.2
Groundwater	78.1
Haz Waste Facilities/Generators	98.8
Impaired Water Bodies	66.7
Solid Waste	96.0
Sensitive Population	—
Asthma	97.7
Cardio-vascular	65.1
Low Birth Weights	71.6

Socioeconomic Factor Indicators	—
Education	74.4
Housing	68.5
Linguistic	91.8
Poverty	75.4
Unemployment	79.7

7.2. Healthy Places Index Scores

The maximum Health Places Index score is 100. A high score (i.e., greater than 50) reflects healthier community conditions compared to other census tracts in the state.

Indicator	Result for Project Census Tract
Economic	—
Above Poverty	10.5350956
Employed	49.30065443
Median HI	4.273065572
Education	—
Bachelor's or higher	63.26190171
High school enrollment	100
Preschool enrollment	95.7141024
Transportation	—
Auto Access	1.180546644
Active commuting	97.42076222
Social	—
2-parent households	4.119081227
Voting	13.0373412
Neighborhood	—
Alcohol availability	9.5983575
Park access	81.35506224
Retail density	43.6160657

Supermarket access	82.8564096
Tree canopy	14.50019248
Housing	—
Homeownership	6.723983062
Housing habitability	0.166816374
Low-inc homeowner severe housing cost burden	1.475683306
Low-inc renter severe housing cost burden	66.38008469
Uncrowded housing	6.300526113
Health Outcomes	—
Insured adults	5.902733222
Arthritis	53.0
Asthma ER Admissions	1.4
High Blood Pressure	12.0
Cancer (excluding skin)	82.6
Asthma	21.6
Coronary Heart Disease	15.5
Chronic Obstructive Pulmonary Disease	14.4
Diagnosed Diabetes	11.3
Life Expectancy at Birth	5.1
Cognitively Disabled	13.7
Physically Disabled	6.4
Heart Attack ER Admissions	46.0
Mental Health Not Good	14.9
Chronic Kidney Disease	20.1
Obesity	9.6
Pedestrian Injuries	100.0
Physical Health Not Good	12.4
Stroke	13.0

Health Risk Behaviors	—
Binge Drinking	60.3
Current Smoker	7.4
No Leisure Time for Physical Activity	24.7
Climate Change Exposures	—
Wildfire Risk	0.0
SLR Inundation Area	0.0
Children	76.4
Elderly	97.3
English Speaking	7.7
Foreign-born	75.6
Outdoor Workers	46.0
Climate Change Adaptive Capacity	—
Impervious Surface Cover	0.0
Traffic Density	90.2
Traffic Access	87.4
Other Indices	—
Hardship	82.8
Other Decision Support	—
2016 Voting	5.0

7.3. Overall Health & Equity Scores

Metric	Result for Project Census Tract
CalEnviroScreen 4.0 Score for Project Location (a)	100
Healthy Places Index Score for Project Location (b)	14.0
Project Located in a Designated Disadvantaged Community (Senate Bill 535)	Yes
Project Located in a Low-Income Community (Assembly Bill 1550)	Yes
Project Located in a Community Air Protection Program Community (Assembly Bill 617)	No

a: The maximum CalEnviroScreen score is 100. A high score (i.e., greater than 50) reflects a higher pollution burden compared to other census tracts in the state.
b: The maximum Health Places Index score is 100. A high score (i.e., greater than 50) reflects healthier community conditions compared to other census tracts in the state.

7.4. Health & Equity Measures

No Health & Equity Measures selected.

7.5. Evaluation Scorecard

Health & Equity Evaluation Scorecard not completed.

7.6. Health & Equity Custom Measures

No Health & Equity Custom Measures created.

8. User Changes to Default Data

Screen	Justification
Construction: Construction Phases	see construction assumptions
Construction: Off-Road Equipment	see construction assumptions
Construction: Trips and VMT	see construction assumptions
Construction: On-Road Fugitive Dust	see construction assumptions
Construction: Electricity	Carbon intensity for construction years
Land Use	Project Specific

DTLA Row - Construction North Lot Detailed Report

Table of Contents

1. Basic Project Information

1.1. Basic Project Information

1.2. Land Use Types

1.3. User-Selected Emission Reduction Measures by Emissions Sector

2. Emissions Summary

2.1. Construction Emissions Compared Against Thresholds

2.2. Construction Emissions by Year, Unmitigated

3. Construction Emissions Details

3.1. Demolition (2030) - Unmitigated

3.3. Grading & Utilities (2030) - Unmitigated

3.5. Foundation/Structure (2030) - Unmitigated

3.7. Foundation/Structure (2031) - Unmitigated

3.9. Interior (2031) - Unmitigated

3.11. Interior (2032) - Unmitigated

3.13. Paving (2032) - Unmitigated

3.15. Architectural Coating (2032) - Unmitigated

4. Operations Emissions Details

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

4.10.2. Above and Belowground Carbon Accumulation by Land Use Type - Unmitigated

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

5. Activity Data

5.1. Construction Schedule

5.2. Off-Road Equipment

5.2.1. Unmitigated

5.3. Construction Vehicles

5.3.1. Unmitigated

5.4. Vehicles

5.4.1. Construction Vehicle Control Strategies

5.5. Architectural Coatings

5.6. Dust Mitigation

5.6.1. Construction Earthmoving Activities

5.6.2. Construction Earthmoving Control Strategies

5.7. Construction Paving

5.8. Construction Electricity Consumption and Emissions Factors

5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

5.18.2. Sequestration

5.18.2.1. Unmitigated

6. Climate Risk Detailed Report

6.1. Climate Risk Summary

6.2. Initial Climate Risk Scores

6.3. Adjusted Climate Risk Scores

6.4. Climate Risk Reduction Measures

7. Health and Equity Details

7.1. CalEnviroScreen 4.0 Scores

7.2. Healthy Places Index Scores

7.3. Overall Health & Equity Scores

7.4. Health & Equity Measures

7.5. Evaluation Scorecard

7.6. Health & Equity Custom Measures

8. User Changes to Default Data

1. Basic Project Information

1.1. Basic Project Information

Data Field	Value
Project Name	DTLA Row - Construction North Lot
Construction Start Date	6/3/2030
Lead Agency	—
Land Use Scale	Project/site
Analysis Level for Defaults	County
Windspeed (m/s)	0.50
Precipitation (days)	18.4
Location	34.03415645231733, -118.23915432245305
County	Los Angeles-South Coast
City	Los Angeles
Air District	South Coast AQMD
Air Basin	South Coast
TAZ	4066
EDFZ	16
Electric Utility	Los Angeles Department of Water & Power
Gas Utility	Southern California Gas
App Version	2022.1.1.29

1.2. Land Use Types

Land Use Subtype	Size	Unit	Lot Acreage	Building Area (sq ft)	Landscape Area (sq ft)	Special Landscape Area (sq ft)	Population	Description
Apartments Mid Rise	376	Dwelling Unit	1.97	318,625	10,736	0.00	1,113	—

High Turnover (Sit Down Restaurant)	5.43	1000sqft	0.00	5,428	0.00	—	—	—
Recreational Swimming Pool	0.38	1000sqft	0.00	376	0.00	—	—	—
Enclosed Parking with Elevator	439	Space	3.95	175,600	0.00	—	—	—

1.3. User-Selected Emission Reduction Measures by Emissions Sector

No measures selected

2. Emissions Summary

2.1. Construction Emissions Compared Against Thresholds

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Un/Mit.	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Unmit.	13.5	36.5	70.5	0.23	0.44	14.9	15.3	0.43	3.24	3.68	33,609
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Unmit.	13.4	37.9	67.9	0.23	0.44	14.9	15.3	0.43	3.24	3.68	33,340
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—
Unmit.	6.19	8.63	21.8	0.05	0.10	4.43	4.51	0.10	0.96	1.05	7,586
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—
Unmit.	1.13	1.57	3.98	0.01	0.02	0.81	0.82	0.02	0.18	0.19	1,256

2.2. Construction Emissions by Year, Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Year	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e

Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
2030	2.50	36.5	70.5	0.23	0.44	14.9	15.3	0.43	3.24	3.68	33,609
2031	1.48	13.1	38.6	0.08	0.15	7.31	7.46	0.15	1.56	1.71	12,968
2032	13.5	5.24	27.3	0.04	0.08	4.36	4.43	0.08	1.04	1.12	7,668
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
2030	2.43	37.9	67.9	0.23	0.44	14.9	15.3	0.43	3.24	3.68	33,340
2031	1.45	13.6	36.6	0.08	0.15	7.31	7.46	0.15	1.56	1.71	12,799
2032	13.4	5.45	25.3	0.04	0.08	4.36	4.43	0.08	1.04	1.12	7,476
Average Daily	—	—	—	—	—	—	—	—	—	—	—
2030	0.55	8.63	15.6	0.05	0.10	3.23	3.33	0.10	0.71	0.81	7,538
2031	0.90	7.64	21.8	0.04	0.08	4.43	4.51	0.08	0.96	1.05	7,586
2032	6.19	1.89	8.99	0.01	0.03	1.09	1.13	0.03	0.26	0.30	2,415
Annual	—	—	—	—	—	—	—	—	—	—	—
2030	0.10	1.57	2.84	0.01	0.02	0.59	0.61	0.02	0.13	0.15	1,248
2031	0.16	1.39	3.98	0.01	0.02	0.81	0.82	0.01	0.18	0.19	1,256
2032	1.13	0.34	1.64	< 0.005	0.01	0.20	0.21	0.01	0.05	0.05	400

3. Construction Emissions Details

3.1. Demolition (2030) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.28	3.49	11.7	0.02	0.06	—	0.06	0.06	—	0.06	1,702

Demolition	—	—	—	—	—	0.04	0.04	—	0.01	0.01	—
Onsite truck	0.01	0.16	0.13	< 0.005	< 0.005	0.20	0.20	< 0.005	0.02	0.02	23.6
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.16	0.55	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	79.3
Demolition	—	—	—	—	—	< 0.005	< 0.005	—	< 0.005	< 0.005	—
Onsite truck	< 0.005	0.01	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	1.11
Annual	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	0.03	0.10	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	13.1
Demolition	—	—	—	—	—	< 0.005	< 0.005	—	< 0.005	< 0.005	—
Onsite truck	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.18
Offsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.08	0.06	1.19	0.00	0.00	0.31	0.31	0.00	0.07	0.07	307
Vendor	< 0.005	0.11	0.06	< 0.005	< 0.005	0.03	0.04	< 0.005	0.01	0.01	118
Hauling	0.02	1.72	0.68	0.01	0.02	0.46	0.49	0.02	0.13	0.15	1,622
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.05	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	13.8
Vendor	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	5.49
Hauling	< 0.005	0.08	0.03	< 0.005	< 0.005	0.02	0.02	< 0.005	0.01	0.01	75.5
Annual	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	2.28
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.91
Hauling	< 0.005	0.02	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	12.5

3.3. Grading & Utilities (2030) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.32	3.33	19.2	0.03	0.06	—	0.06	0.06	—	0.06	2,754
Dust From Material Movement	—	—	—	—	—	< 0.005	< 0.005	—	< 0.005	< 0.005	—
Onsite truck	0.08	1.66	1.33	< 0.005	< 0.005	2.06	2.06	< 0.005	0.21	0.21	242
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.32	3.33	19.2	0.03	0.06	—	0.06	0.06	—	0.06	2,754
Dust From Material Movement	—	—	—	—	—	< 0.005	< 0.005	—	< 0.005	< 0.005	—
Onsite truck	0.07	1.75	1.37	< 0.005	< 0.005	2.06	2.06	< 0.005	0.21	0.21	246
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.07	0.76	4.37	0.01	0.01	—	0.01	0.01	—	0.01	626
Dust From Material Movement	—	—	—	—	—	< 0.005	< 0.005	—	< 0.005	< 0.005	—
Onsite truck	0.02	0.39	0.31	< 0.005	< 0.005	0.44	0.44	< 0.005	0.04	0.04	55.4
Annual	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.14	0.80	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	104
Dust From Material Movement	—	—	—	—	—	< 0.005	< 0.005	—	< 0.005	< 0.005	—

Onsite truck	< 0.005	0.07	0.06	< 0.005	< 0.005	0.08	0.08	< 0.005	0.01	0.01	9.17
Offsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.19	0.15	2.97	0.00	0.00	0.78	0.78	0.00	0.18	0.18	768
Vendor	< 0.005	0.17	0.08	< 0.005	< 0.005	0.05	0.05	< 0.005	0.01	0.02	177
Hauling	0.26	17.8	7.24	0.12	0.22	4.67	4.89	0.22	1.28	1.50	16,416
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.19	0.18	2.51	0.00	0.00	0.78	0.78	0.00	0.18	0.18	727
Vendor	< 0.005	0.18	0.09	< 0.005	< 0.005	0.05	0.05	< 0.005	0.01	0.02	177
Hauling	0.24	18.6	7.31	0.12	0.22	4.67	4.89	0.22	1.28	1.50	16,396
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.04	0.60	0.00	0.00	0.18	0.18	0.00	0.04	0.04	168
Vendor	< 0.005	0.04	0.02	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	40.2
Hauling	0.06	4.25	1.65	0.03	0.05	1.05	1.10	0.05	0.29	0.34	3,730
Annual	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.11	0.00	0.00	0.03	0.03	0.00	0.01	0.01	27.8
Vendor	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	6.66
Hauling	0.01	0.78	0.30	< 0.005	0.01	0.19	0.20	0.01	0.05	0.06	618

3.5. Foundation/Structure (2030) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.50	5.54	21.0	0.03	0.11	—	0.11	0.10	—	0.10	3,316

Onsite truck	0.06	1.35	1.08	< 0.005	< 0.005	1.67	1.67	< 0.005	0.17	0.17	197
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.50	5.54	21.0	0.03	0.11	—	0.11	0.10	—	0.10	3,316
Onsite truck	0.06	1.42	1.11	< 0.005	< 0.005	1.67	1.67	< 0.005	0.17	0.17	200
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.11	1.16	4.39	0.01	0.02	—	0.02	0.02	—	0.02	694
Onsite truck	0.01	0.29	0.23	< 0.005	< 0.005	0.33	0.33	< 0.005	0.03	0.03	41.5
Annual	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.21	0.80	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	115
Onsite truck	< 0.005	0.05	0.04	< 0.005	< 0.005	0.06	0.06	< 0.005	0.01	0.01	6.87
Offsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.95	0.76	14.9	0.00	0.00	3.92	3.92	0.00	0.92	0.92	3,839
Vendor	0.13	5.72	2.78	0.04	0.04	1.71	1.76	0.04	0.47	0.52	5,899
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.93	0.90	12.5	0.00	0.00	3.92	3.92	0.00	0.92	0.92	3,634
Vendor	0.12	5.99	2.84	0.04	0.04	1.71	1.76	0.04	0.47	0.52	5,890
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Worker	0.19	0.19	2.76	0.00	0.00	0.81	0.81	0.00	0.19	0.19	773
Vendor	0.03	1.25	0.59	0.01	0.01	0.35	0.36	0.01	0.10	0.11	1,234
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.03	0.50	0.00	0.00	0.15	0.15	0.00	0.03	0.03	128

Vendor	< 0.005	0.23	0.11	< 0.005	< 0.005	0.06	0.07	< 0.005	0.02	0.02	204
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.7. Foundation/Structure (2031) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.50	5.54	21.0	0.03	0.11	—	0.11	0.10	—	0.10	3,316
Onsite truck	0.06	1.33	1.08	< 0.005	< 0.005	1.67	1.67	< 0.005	0.17	0.17	194
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.50	5.54	21.0	0.03	0.11	—	0.11	0.10	—	0.10	3,316
Onsite truck	0.06	1.41	1.11	< 0.005	< 0.005	1.67	1.67	< 0.005	0.17	0.17	197
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.27	2.95	11.2	0.02	0.06	—	0.06	0.06	—	0.06	1,765
Onsite truck	0.03	0.73	0.58	< 0.005	< 0.005	0.85	0.85	< 0.005	0.08	0.09	104
Annual	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.05	0.54	2.04	< 0.005	0.01	—	0.01	0.01	—	0.01	292
Onsite truck	0.01	0.13	0.11	< 0.005	< 0.005	0.15	0.15	< 0.005	0.02	0.02	17.2
Offsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.78	0.76	13.9	0.00	0.00	3.92	3.92	0.00	0.92	0.92	3,744
Vendor	0.13	5.47	2.68	0.04	0.04	1.71	1.76	0.04	0.47	0.52	5,713
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.77	0.89	11.8	0.00	0.00	3.92	3.92	0.00	0.92	0.92	3,580
Vendor	0.12	5.74	2.70	0.04	0.04	1.71	1.76	0.04	0.47	0.52	5,705
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Worker	0.41	0.47	6.57	0.00	0.00	2.06	2.06	0.00	0.48	0.48	1,935
Vendor	0.07	3.05	1.44	0.02	0.02	0.90	0.93	0.02	0.25	0.27	3,038
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07	0.09	1.20	0.00	0.00	0.38	0.38	0.00	0.09	0.09	320
Vendor	0.01	0.56	0.26	< 0.005	< 0.005	0.16	0.17	< 0.005	0.05	0.05	503
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.9. Interior (2031) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.69	1.03	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	148
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.69	1.03	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	148
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	< 0.005	0.13	0.19	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	27.0
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	0.02	0.03	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	4.46
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.62	0.61	11.1	0.00	0.00	3.14	3.14	0.00	0.74	0.74	2,995
Vendor	0.02	0.98	0.48	0.01	0.01	0.31	0.32	0.01	0.09	0.09	1,028
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.62	0.71	9.43	0.00	0.00	3.14	3.14	0.00	0.74	0.74	2,864
Vendor	0.02	1.03	0.49	0.01	0.01	0.31	0.32	0.01	0.09	0.09	1,027
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Worker	0.11	0.13	1.80	0.00	0.00	0.56	0.56	0.00	0.13	0.13	529
Vendor	< 0.005	0.19	0.09	< 0.005	< 0.005	0.06	0.06	< 0.005	0.02	0.02	187
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.33	0.00	0.00	0.10	0.10	0.00	0.02	0.02	87.6
Vendor	< 0.005	0.03	0.02	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	31.0
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.11. Interior (2032) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.69	1.03	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	148
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.69	1.03	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	148
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	0.14	0.21	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	29.9
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	0.03	0.04	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	4.94
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.60	0.50	10.5	0.00	0.00	3.14	3.14	0.00	0.74	0.74	2,954
Vendor	0.02	0.95	0.46	0.01	0.01	0.31	0.32	0.01	0.09	0.09	993
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.59	0.61	8.85	0.00	0.00	3.14	3.14	0.00	0.74	0.74	2,797
Vendor	0.02	0.99	0.48	0.01	0.01	0.31	0.32	0.01	0.09	0.09	991
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Average Daily	—	—	—	—	—	—	—	—	—	—	—
Worker	0.12	0.12	1.87	0.00	0.00	0.62	0.62	0.00	0.15	0.15	578
Vendor	< 0.005	0.20	0.09	< 0.005	< 0.005	0.06	0.06	< 0.005	0.02	0.02	200
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.34	0.00	0.00	0.11	0.11	0.00	0.03	0.03	95.7
Vendor	< 0.005	0.04	0.02	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	33.1
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.13. Paving (2032) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.28	2.21	12.7	0.02	0.06	—	0.06	0.06	—	0.06	2,131
Paving	0.06	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.28	2.21	12.7	0.02	0.06	—	0.06	0.06	—	0.06	2,131
Paving	0.06	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.13	1.00	5.76	0.01	0.03	—	0.03	0.03	—	0.03	964
Paving	0.03	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Annual	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.18	1.05	< 0.005	0.01	—	0.01	< 0.005	—	< 0.005	160
Paving	0.01	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.12	0.10	2.18	0.00	0.00	0.65	0.65	0.00	0.15	0.15	615
Vendor	0.02	0.79	0.39	0.01	0.01	0.26	0.26	0.01	0.07	0.08	827
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.12	0.13	1.84	0.00	0.00	0.65	0.65	0.00	0.15	0.15	583
Vendor	0.02	0.82	0.40	0.01	0.01	0.26	0.26	0.01	0.07	0.08	826
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.06	0.88	0.00	0.00	0.29	0.29	0.00	0.07	0.07	270
Vendor	0.01	0.37	0.18	< 0.005	< 0.005	0.11	0.12	< 0.005	0.03	0.03	374
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.16	0.00	0.00	0.05	0.05	0.00	0.01	0.01	44.7
Vendor	< 0.005	0.07	0.03	< 0.005	< 0.005	0.02	0.02	< 0.005	0.01	0.01	61.9
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.15. Architectural Coating (2032) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	12.3	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	12.3	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	5.84	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	1.07	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

4. Operations Emissions Details

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Vegetation	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—

4.10.2. Above and Belowground Carbon Accumulation by Land Use Type - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Species	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—

Subtotal	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—

5. Activity Data

5.1. Construction Schedule

Phase Name	Phase Type	Start Date	End Date	Days Per Week	Work Days per Phase	Phase Description
Demolition	Demolition	6/3/2030	6/25/2030	5.00	17.0	—
Grading & Utilities	Grading	6/9/2030	10/2/2030	5.00	83.0	—
Foundation/Structure	Building Construction	9/16/2030	9/29/2031	5.00	271	—
Interior	Building Construction	9/30/2031	4/12/2032	5.00	140	—
Paving	Paving	1/13/2032	8/30/2032	5.00	165	—
Architectural Coating	Architectural Coating	1/1/2032	8/30/2032	5.00	173	—

5.2. Off-Road Equipment

5.2.1. Unmitigated

Phase Name	Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
Demolition	Air Compressors	Diesel	Tier 4 Final	1.00	8.00	37.0	0.48
Demolition	Excavators	Diesel	Tier 4 Final	1.00	8.00	158	0.38
Demolition	Generator Sets	Diesel	Average	1.00	8.00	14.0	0.74
Demolition	Other Construction Equipment	Diesel	Tier 4 Final	1.00	8.00	82.0	0.42
Demolition	Skid Steer Loaders	Diesel	Tier 4 Final	1.00	8.00	71.0	0.37

Demolition	Tractors/Loaders/Back	Diesel	Tier 4 Final	1.00	8.00	84.0	0.37
Grading & Utilities	Bore/Drill Rigs	Diesel	Tier 4 Final	1.00	8.00	83.0	0.50
Grading & Utilities	Excavators	Diesel	Tier 4 Final	2.00	8.00	158	0.38
Grading & Utilities	Other Construction Equipment	Diesel	Tier 4 Final	1.00	8.00	82.0	0.42
Grading & Utilities	Plate Compactors	Diesel	Average	1.00	8.00	8.00	0.43
Grading & Utilities	Rollers	Diesel	Tier 4 Final	1.00	8.00	36.0	0.38
Grading & Utilities	Rubber Tired Loaders	Diesel	Tier 4 Final	1.00	8.00	150	0.36
Grading & Utilities	Skid Steer Loaders	Diesel	Tier 4 Final	1.00	8.00	71.0	0.37
Foundation/Structure	Air Compressors	Diesel	Tier 4 Final	1.00	8.00	37.0	0.48
Foundation/Structure	Cement and Mortar Mixers	Diesel	Average	1.00	8.00	10.0	0.56
Foundation/Structure	Concrete/Industrial Saws	Diesel	Tier 4 Final	1.00	8.00	33.0	0.73
Foundation/Structure	Cranes	Diesel	Tier 4 Final	1.00	8.00	367	0.29
Foundation/Structure	Cranes	Electric	Average	1.00	8.00	367	0.29
Foundation/Structure	Excavators	Diesel	Tier 4 Final	1.00	8.00	158	0.38
Foundation/Structure	Forklifts	Diesel	Tier 4 Final	2.00	8.00	82.0	0.20
Foundation/Structure	Pumps	Diesel	Average	1.00	8.00	11.0	0.74
Foundation/Structure	Plate Compactors	Diesel	Average	1.00	8.00	8.00	0.43
Foundation/Structure	Rough Terrain Forklifts	Diesel	Tier 4 Final	1.00	8.00	96.0	0.40
Foundation/Structure	Tractors/Loaders/Back hoes	Diesel	Tier 4 Final	1.00	8.00	84.0	0.37
Foundation/Structure	Welders	Diesel	Tier 4 Final	1.00	8.00	46.0	0.45
Interior	Aerial Lifts	Diesel	Tier 4 Final	1.00	8.00	46.0	0.31
Paving	Cranes	Diesel	Tier 4 Final	1.00	8.00	367	0.29
Paving	Other Construction Equipment	Diesel	Tier 4 Final	1.00	8.00	82.0	0.42
Paving	Paving Equipment	Diesel	Tier 4 Final	1.00	8.00	89.0	0.36
Paving	Plate Compactors	Diesel	Average	1.00	8.00	8.00	0.43

Paving	Rollers	Diesel	Tier 4 Final	1.00	8.00	36.0	0.38
Paving	Signal Boards	Diesel	Average	1.00	8.00	6.00	0.82
Paving	Tractors/Loaders/Backhoes	Diesel	Tier 4 Final	1.00	8.00	84.0	0.37

5.3. Construction Vehicles

5.3.1. Unmitigated

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix
Demolition	—	—	—	—
Demolition	Worker	24.0	18.5	LDA,LDT1,LDT2
Demolition	Vendor	4.00	10.2	HHDT,MHDT
Demolition	Hauling	20.0	25.0	HHDT
Demolition	Onsite truck	12.0	0.09	HHDT
Grading & Utilities	—	—	—	—
Grading & Utilities	Worker	60.0	18.5	LDA,LDT1,LDT2
Grading & Utilities	Vendor	6.00	10.2	HHDT,MHDT
Grading & Utilities	Hauling	240	21.0	HHDT
Grading & Utilities	Onsite truck	123	0.09	HHDT
Foundation/Structure	—	—	—	—
Foundation/Structure	Worker	300	18.5	LDA,LDT1,LDT2
Foundation/Structure	Vendor	200	10.2	HHDT,MHDT
Foundation/Structure	Hauling	0.00	20.0	HHDT
Foundation/Structure	Onsite truck	100	0.09	HHDT
Paving	—	—	—	—
Paving	Worker	50.0	18.5	LDA,LDT1,LDT2
Paving	Vendor	30.0	10.2	HHDT,MHDT
Paving	Hauling	0.00	20.0	HHDT
Paving	Onsite truck	0.00	—	HHDT

Architectural Coating	—	—	—	—
Architectural Coating	Worker	0.00	18.5	LDA,LDT1,LDT2
Architectural Coating	Vendor	0.00	10.2	HHDT,MHDT
Architectural Coating	Hauling	0.00	20.0	HHDT
Architectural Coating	Onsite truck	0.00	—	HHDT
Interior	—	—	—	—
Interior	Worker	240	18.5	LDA,LDT1,LDT2
Interior	Vendor	36.0	10.2	HHDT,MHDT
Interior	Hauling	0.00	20.0	HHDT
Interior	Onsite truck	0.00	—	HHDT

5.4. Vehicles

5.4.1. Construction Vehicle Control Strategies

Control Strategies Applied	PM10 Reduction	PM2.5 Reduction
Water unpaved roads twice daily	55%	55%
Limit vehicle speeds on unpaved roads to 25 mph	44%	44%

5.5. Architectural Coatings

Phase Name	Residential Interior Area Coated (sq ft)	Residential Exterior Area Coated (sq ft)	Non-Residential Interior Area Coated (sq ft)	Non-Residential Exterior Area Coated (sq ft)	Parking Area Coated (sq ft)
Architectural Coating	645,216	215,072	15,887	3,575	10,326

5.6. Dust Mitigation

5.6.1. Construction Earthmoving Activities

Phase Name	Material Imported (Cubic Yards)	Material Exported (Cubic Yards)	Acres Graded (acres)	Material Demolished (Building Square Footage)	Acres Paved (acres)

Demolition	0.00	0.00	0.00	1,268	—
Grading & Utilities	0.00	36,210	0.00	0.00	—
Paving	0.00	0.00	0.00	0.00	3.95

5.6.2. Construction Earthmoving Control Strategies

Control Strategies Applied	Frequency (per day)	PM10 Reduction	PM2.5 Reduction
Water Exposed Area	3	74%	74%
Water Demolished Area	2	36%	36%

5.7. Construction Paving

Land Use	Area Paved (acres)	% Asphalt
Apartments Mid Rise	—	0%
High Turnover (Sit Down Restaurant)	0.00	0%
Recreational Swimming Pool	0.00	0%
Enclosed Parking with Elevator	3.95	100%

5.8. Construction Electricity Consumption and Emissions Factors

kWh per Year and Emission Factor (lb/MWh)

Year	kWh per Year	CO2	CH4	N2O
2030	635	345	0.05	0.01
2031	635	325	0.05	0.01
2032	0.00	304	0.05	0.01

5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres

5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

Biomass Cover Type	Initial Acres	Final Acres

5.18.2. Sequestration

5.18.2.1. Unmitigated

Tree Type	Number	Electricity Saved (kWh/year)	Natural Gas Saved (btu/year)

6. Climate Risk Detailed Report

6.1. Climate Risk Summary

Cal-Adapt midcentury 2040–2059 average projections for four hazards are reported below for your project location. These are under Representation Concentration Pathway (RCP) 8.5 which assumes GHG emissions will continue to rise strongly through 2050 and then plateau around 2100.

Climate Hazard	Result for Project Location	Unit
Temperature and Extreme Heat	9.52	annual days of extreme heat
Extreme Precipitation	6.15	annual days with precipitation above 20 mm
Sea Level Rise	—	meters of inundation depth
Wildfire	0.00	annual hectares burned

Temperature and Extreme Heat data are for grid cell in which your project are located. The projection is based on the 98th historical percentile of daily maximum/minimum temperatures from observed historical data (32 climate model ensemble from Cal-Adapt, 2040–2059 average under RCP 8.5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.
Extreme Precipitation data are for the grid cell in which your project are located. The threshold of 20 mm is equivalent to about ¾ an inch of rain, which would be light to moderate rainfall if received over a full day or heavy rain if received over a period of 2 to 4 hours. Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.
Sea Level Rise data are for the grid cell in which your project are located. The projections are from Radke et al. (2017), as reported in Cal-Adapt (Radke et al., 2017, CEC-500-2017-008), and consider inundation location and depth for the San Francisco Bay, the Sacramento-San Joaquin River Delta and California coast resulting different increments of sea level rise coupled with extreme storm events. Users may select from four scenarios to view the range in potential inundation depth for the grid cell. The four scenarios are: No rise, 0.5 meter, 1.0 meter, 1.41 meters

Wildfire data are for the grid cell in which your project are located. The projections are from UC Davis, as reported in Cal-Adapt (2040–2059 average under RCP 8.5), and consider historical data of climate, vegetation, population density, and large (> 400 ha) fire history. Users may select from four model simulations to view the range in potential wildfire probabilities for the grid cell. The four simulations make different assumptions about expected rainfall and temperature are: Warmer/drier (HadGEM2-ES), Cooler/wetter (CNRM-CM5), Average conditions (CanESM2), Range of different rainfall and temperature possibilities (MIROC5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.

6.2. Initial Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	1	0	0	N/A
Extreme Precipitation	N/A	N/A	N/A	N/A
Sea Level Rise	1	0	0	N/A
Wildfire	1	0	0	N/A
Flooding	N/A	N/A	N/A	N/A
Drought	N/A	N/A	N/A	N/A
Snowpack Reduction	N/A	N/A	N/A	N/A
Air Quality Degradation	0	0	0	N/A

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.
The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.
The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores do not include implementation of climate risk reduction measures.

6.3. Adjusted Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	1	1	1	2
Extreme Precipitation	N/A	N/A	N/A	N/A
Sea Level Rise	1	1	1	2
Wildfire	1	1	1	2
Flooding	N/A	N/A	N/A	N/A
Drought	N/A	N/A	N/A	N/A
Snowpack Reduction	N/A	N/A	N/A	N/A
Air Quality Degradation	1	1	1	2

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.
The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.
The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores include implementation of climate risk reduction measures.

6.4. Climate Risk Reduction Measures

7. Health and Equity Details

7.1. CalEnviroScreen 4.0 Scores

The maximum CalEnviroScreen score is 100. A high score (i.e., greater than 50) reflects a higher pollution burden compared to other census tracts in the state.

Indicator	Result for Project Census Tract
Exposure Indicators	—
AQ-Ozone	50.5
AQ-PM	89.2
AQ-DPM	95.5
Drinking Water	92.5
Lead Risk Housing	71.6
Pesticides	0.00
Toxic Releases	82.2
Traffic	85.9
Effect Indicators	—
CleanUp Sites	97.2
Groundwater	78.1
Haz Waste Facilities/Generators	98.8
Impaired Water Bodies	66.7
Solid Waste	96.0
Sensitive Population	—
Asthma	97.7

Cardio-vascular	65.1
Low Birth Weights	71.6
Socioeconomic Factor Indicators	—
Education	74.4
Housing	68.5
Linguistic	91.8
Poverty	75.4
Unemployment	79.7

7.2. Healthy Places Index Scores

The maximum Health Places Index score is 100. A high score (i.e., greater than 50) reflects healthier community conditions compared to other census tracts in the state.

Indicator	Result for Project Census Tract
Economic	—
Above Poverty	10.5350956
Employed	49.30065443
Median HI	4.273065572
Education	—
Bachelor's or higher	63.26190171
High school enrollment	100
Preschool enrollment	95.7141024
Transportation	—
Auto Access	1.180546644
Active commuting	97.42076222
Social	—
2-parent households	4.119081227
Voting	13.0373412
Neighborhood	—
Alcohol availability	9.5983575

Park access	81.35506224
Retail density	43.6160657
Supermarket access	82.8564096
Tree canopy	14.50019248
Housing	—
Homeownership	6.723983062
Housing habitability	0.166816374
Low-inc homeowner severe housing cost burden	1.475683306
Low-inc renter severe housing cost burden	66.38008469
Uncrowded housing	6.300526113
Health Outcomes	—
Insured adults	5.902733222
Arthritis	53.0
Asthma ER Admissions	1.4
High Blood Pressure	12.0
Cancer (excluding skin)	82.6
Asthma	21.6
Coronary Heart Disease	15.5
Chronic Obstructive Pulmonary Disease	14.4
Diagnosed Diabetes	11.3
Life Expectancy at Birth	5.1
Cognitively Disabled	13.7
Physically Disabled	6.4
Heart Attack ER Admissions	46.0
Mental Health Not Good	14.9
Chronic Kidney Disease	20.1
Obesity	9.6
Pedestrian Injuries	100.0

Physical Health Not Good	12.4
Stroke	13.0
Health Risk Behaviors	—
Binge Drinking	60.3
Current Smoker	7.4
No Leisure Time for Physical Activity	24.7
Climate Change Exposures	—
Wildfire Risk	0.0
SLR Inundation Area	0.0
Children	76.4
Elderly	97.3
English Speaking	7.7
Foreign-born	75.6
Outdoor Workers	46.0
Climate Change Adaptive Capacity	—
Impervious Surface Cover	0.0
Traffic Density	90.2
Traffic Access	87.4
Other Indices	—
Hardship	82.8
Other Decision Support	—
2016 Voting	5.0

7.3. Overall Health & Equity Scores

Metric	Result for Project Census Tract
CalEnviroScreen 4.0 Score for Project Location (a)	100
Healthy Places Index Score for Project Location (b)	14.0
Project Located in a Designated Disadvantaged Community (Senate Bill 535)	Yes

Project Located in a Low-Income Community (Assembly Bill 1550)	Yes
Project Located in a Community Air Protection Program Community (Assembly Bill 617)	No

a: The maximum CalEnviroScreen score is 100. A high score (i.e., greater than 50) reflects a higher pollution burden compared to other census tracts in the state.
b: The maximum Health Places Index score is 100. A high score (i.e., greater than 50) reflects healthier community conditions compared to other census tracts in the state.

7.4. Health & Equity Measures

No Health & Equity Measures selected.

7.5. Evaluation Scorecard

Health & Equity Evaluation Scorecard not completed.

7.6. Health & Equity Custom Measures

No Health & Equity Custom Measures created.

8. User Changes to Default Data

Screen	Justification
Construction: Construction Phases	Project Specific - see construction assumptions
Construction: Off-Road Equipment	See construction assumptions
Construction: Trips and VMT	see construction assumptions
Construction: On-Road Fugitive Dust	see construction assumptions
Construction: Electricity	Carbon intensity for construction years
Land Use	Project Specific

DTLA Row - Operations South Lot Detailed Report

Table of Contents

1. Basic Project Information

1.1. Basic Project Information

1.2. Land Use Types

1.3. User-Selected Emission Reduction Measures by Emissions Sector

2. Emissions Summary

2.4. Operations Emissions Compared Against Thresholds

2.5. Operations Emissions by Sector, Unmitigated

2.6. Operations Emissions by Sector, Mitigated

4. Operations Emissions Details

4.1. Mobile Emissions by Land Use

4.1.1. Unmitigated

4.1.2. Mitigated

4.2. Energy

4.2.1. Electricity Emissions By Land Use - Unmitigated

4.2.2. Electricity Emissions By Land Use - Mitigated

4.2.3. Natural Gas Emissions By Land Use - Unmitigated

4.2.4. Natural Gas Emissions By Land Use - Mitigated

4.3. Area Emissions by Source

4.3.1. Unmitigated

4.3.2. Mitigated

4.4. Water Emissions by Land Use

4.4.1. Unmitigated

4.4.2. Mitigated

4.5. Waste Emissions by Land Use

4.5.1. Unmitigated

4.5.2. Mitigated

4.6. Refrigerant Emissions by Land Use

4.6.1. Unmitigated

4.6.2. Mitigated

4.7. Offroad Emissions By Equipment Type

4.7.1. Unmitigated

4.7.2. Mitigated

4.8. Stationary Emissions By Equipment Type

4.8.1. Unmitigated

4.8.2. Mitigated

4.9. User Defined Emissions By Equipment Type

4.9.1. Unmitigated

4.9.2. Mitigated

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

4.10.2. Above and Belowground Carbon Accumulation by Land Use Type - Unmitigated

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

4.10.4. Soil Carbon Accumulation By Vegetation Type - Mitigated

4.10.5. Above and Belowground Carbon Accumulation by Land Use Type - Mitigated

4.10.6. Avoided and Sequestered Emissions by Species - Mitigated

5. Activity Data

5.9. Operational Mobile Sources

5.9.1. Unmitigated

5.9.2. Mitigated

5.10. Operational Area Sources

5.10.1. Hearths

5.10.1.1. Unmitigated

5.10.1.2. Mitigated

5.10.2. Architectural Coatings

5.10.3. Landscape Equipment

5.10.4. Landscape Equipment - Mitigated

5.11. Operational Energy Consumption

5.11.1. Unmitigated

5.11.2. Mitigated

5.12. Operational Water and Wastewater Consumption

5.12.1. Unmitigated

5.12.2. Mitigated

5.13. Operational Waste Generation

5.13.1. Unmitigated

5.13.2. Mitigated

5.14. Operational Refrigeration and Air Conditioning Equipment

5.14.1. Unmitigated

5.14.2. Mitigated

5.15. Operational Off-Road Equipment

5.15.1. Unmitigated

5.15.2. Mitigated

5.16. Stationary Sources

5.16.1. Emergency Generators and Fire Pumps

5.16.2. Process Boilers

5.17. User Defined

5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

5.18.1.2. Mitigated

5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

5.18.1.2. Mitigated

5.18.2. Sequestration

5.18.2.1. Unmitigated

5.18.2.2. Mitigated

6. Climate Risk Detailed Report

6.1. Climate Risk Summary

6.2. Initial Climate Risk Scores

6.3. Adjusted Climate Risk Scores

6.4. Climate Risk Reduction Measures

7. Health and Equity Details

7.1. CalEnviroScreen 4.0 Scores

7.2. Healthy Places Index Scores

7.3. Overall Health & Equity Scores

7.4. Health & Equity Measures

7.5. Evaluation Scorecard

7.6. Health & Equity Custom Measures

8. User Changes to Default Data

1. Basic Project Information

1.1. Basic Project Information

Data Field	Value
Project Name	DTLA Row - Operations South Lot
Operational Year	2029
Lead Agency	—
Land Use Scale	Project/site
Analysis Level for Defaults	County
Windspeed (m/s)	0.50
Precipitation (days)	18.4
Location	34.03283673591915, -118.23932369571361
County	Los Angeles-South Coast
City	Los Angeles
Air District	South Coast AQMD
Air Basin	South Coast
TAZ	4066
EDFZ	16
Electric Utility	Los Angeles Department of Water & Power
Gas Utility	Southern California Gas
App Version	2022.1.1.29

1.2. Land Use Types

Land Use Subtype	Size	Unit	Lot Acreage	Building Area (sq ft)	Landscape Area (sq ft)	Special Landscape Area (sq ft)	Population	Description
Apartments Mid Rise	624	Dwelling Unit	2.84	519,106	20,794	0.00	1,469	—

High Turnover (Sit Down Restaurant)	1.12	1000sqft	0.00	1,119	0.00	0.00	—	—
Recreational Swimming Pool	0.88	1000sqft	0.00	883	0.00	0.00	—	—
Enclosed Parking with Elevator	653	Space	5.88	261,200	0.00	0.00	—	—

1.3. User-Selected Emission Reduction Measures by Emissions Sector

Sector	#	Measure Title
Water	W-7	Adopt a Water Conservation Strategy
Waste	S-1/S-2	Implement Waste Reduction Plan

2. Emissions Summary

2.4. Operations Emissions Compared Against Thresholds

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Un/Mit.	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Unmit.	25.5	7.81	104	0.14	0.26	12.6	12.8	0.25	3.19	3.44	20,042
Mit.	25.5	7.81	104	0.14	0.26	12.6	12.8	0.25	3.19	3.44	19,428
% Reduced	—	—	—	—	—	—	—	—	—	—	3%
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Unmit.	20.5	7.80	53.4	0.13	0.22	12.6	12.8	0.22	3.19	3.41	19,332
Mit.	20.5	7.80	53.4	0.13	0.22	12.6	12.8	0.22	3.19	3.41	18,718
% Reduced	—	—	—	—	—	—	—	—	—	—	3%
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—
Unmit.	23.4	6.88	85.5	0.13	0.18	12.4	12.6	0.17	3.16	3.33	19,361

Mit.	23.4	6.88	85.5	0.13	0.18	12.4	12.6	0.17	3.16	3.33	18,747
% Reduced	—	—	—	—	—	—	—	—	—	—	3%
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—
Unmit.	4.26	1.26	15.6	0.02	0.03	2.27	2.30	0.03	0.58	0.61	3,205
Mit.	4.26	1.26	15.6	0.02	0.03	2.27	2.30	0.03	0.58	0.61	3,104
% Reduced	—	—	—	—	—	—	—	—	—	—	3%

2.5. Operations Emissions by Sector, Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Sector	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Mobile	7.49	4.61	54.2	0.13	0.08	12.6	12.6	0.07	3.19	3.26	13,558
Area	17.0	0.43	46.9	< 0.005	0.04	—	0.04	0.03	—	0.03	142
Energy	< 0.005	0.02	0.02	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	4,746
Water	—	—	—	—	—	—	—	—	—	—	359
Waste	—	—	—	—	—	—	—	—	—	—	727
Refrig.	—	—	—	—	—	—	—	—	—	—	5.47
Stationary	0.98	2.75	2.51	< 0.005	0.14	0.00	0.14	0.14	0.00	0.14	505
Total	25.5	7.81	104	0.14	0.26	12.6	12.8	0.25	3.19	3.44	20,042
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Mobile	7.42	5.03	50.9	0.13	0.08	12.6	12.6	0.07	3.19	3.26	12,990
Area	12.1	—	—	—	—	—	—	—	—	—	—
Energy	< 0.005	0.02	0.02	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	4,746
Water	—	—	—	—	—	—	—	—	—	—	359
Waste	—	—	—	—	—	—	—	—	—	—	727
Refrig.	—	—	—	—	—	—	—	—	—	—	5.47
Stationary	0.98	2.75	2.51	< 0.005	0.14	0.00	0.14	0.14	0.00	0.14	505

Total	20.5	7.80	53.4	0.13	0.22	12.6	12.8	0.22	3.19	3.41	19,332
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Mobile	7.35	5.06	52.0	0.13	0.08	12.4	12.5	0.07	3.16	3.23	13,150
Area	15.5	0.29	32.1	< 0.005	0.03	—	0.03	0.02	—	0.02	97.3
Energy	< 0.005	0.02	0.02	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	4,746
Water	—	—	—	—	—	—	—	—	—	—	359
Waste	—	—	—	—	—	—	—	—	—	—	727
Refrig.	—	—	—	—	—	—	—	—	—	—	5.47
Stationary	0.54	1.51	1.38	< 0.005	0.08	0.00	0.08	0.08	0.00	0.08	277
Total	23.4	6.88	85.5	0.13	0.18	12.4	12.6	0.17	3.16	3.33	19,361
Annual	—	—	—	—	—	—	—	—	—	—	—
Mobile	1.34	0.92	9.49	0.02	0.01	2.27	2.28	0.01	0.58	0.59	2,177
Area	2.82	0.05	5.86	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	16.1
Energy	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	786
Water	—	—	—	—	—	—	—	—	—	—	59.4
Waste	—	—	—	—	—	—	—	—	—	—	120
Refrig.	—	—	—	—	—	—	—	—	—	—	0.91
Stationary	0.10	0.28	0.25	< 0.005	0.01	0.00	0.01	0.01	0.00	0.01	45.8
Total	4.26	1.26	15.6	0.02	0.03	2.27	2.30	0.03	0.58	0.61	3,205

2.6. Operations Emissions by Sector, Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Sector	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Mobile	7.49	4.61	54.2	0.13	0.08	12.6	12.6	0.07	3.19	3.26	13,558
Area	17.0	0.43	46.9	< 0.005	0.04	—	0.04	0.03	—	0.03	142
Energy	< 0.005	0.02	0.02	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	4,746

Water	—	—	—	—	—	—	—	—	—	—	287
Waste	—	—	—	—	—	—	—	—	—	—	185
Refrig.	—	—	—	—	—	—	—	—	—	—	5.47
Stationary	0.98	2.75	2.51	< 0.005	0.14	0.00	0.14	0.14	0.00	0.14	505
Total	25.5	7.81	104	0.14	0.26	12.6	12.8	0.25	3.19	3.44	19,428
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Mobile	7.42	5.03	50.9	0.13	0.08	12.6	12.6	0.07	3.19	3.26	12,990
Area	12.1	—	—	—	—	—	—	—	—	—	—
Energy	< 0.005	0.02	0.02	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	4,746
Water	—	—	—	—	—	—	—	—	—	—	287
Waste	—	—	—	—	—	—	—	—	—	—	185
Refrig.	—	—	—	—	—	—	—	—	—	—	5.47
Stationary	0.98	2.75	2.51	< 0.005	0.14	0.00	0.14	0.14	0.00	0.14	505
Total	20.5	7.80	53.4	0.13	0.22	12.6	12.8	0.22	3.19	3.41	18,718
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Mobile	7.35	5.06	52.0	0.13	0.08	12.4	12.5	0.07	3.16	3.23	13,150
Area	15.5	0.29	32.1	< 0.005	0.03	—	0.03	0.02	—	0.02	97.3
Energy	< 0.005	0.02	0.02	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	4,746
Water	—	—	—	—	—	—	—	—	—	—	287
Waste	—	—	—	—	—	—	—	—	—	—	185
Refrig.	—	—	—	—	—	—	—	—	—	—	5.47
Stationary	0.54	1.51	1.38	< 0.005	0.08	0.00	0.08	0.08	0.00	0.08	277
Total	23.4	6.88	85.5	0.13	0.18	12.4	12.6	0.17	3.16	3.33	18,747
Annual	—	—	—	—	—	—	—	—	—	—	—
Mobile	1.34	0.92	9.49	0.02	0.01	2.27	2.28	0.01	0.58	0.59	2,177
Area	2.82	0.05	5.86	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	16.1
Energy	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	786
Water	—	—	—	—	—	—	—	—	—	—	47.5

Waste	—	—	—	—	—	—	—	—	—	—	30.6
Refrig.	—	—	—	—	—	—	—	—	—	—	0.91
Stationary	0.10	0.28	0.25	< 0.005	0.01	0.00	0.01	0.01	0.00	0.01	45.8
Total	4.26	1.26	15.6	0.02	0.03	2.27	2.30	0.03	0.58	0.61	3,104

4. Operations Emissions Details

4.1. Mobile Emissions by Land Use

4.1.1. Unmitigated

Mobile source emissions results are presented in Sections 2.6. No further detailed breakdown of emissions is available.

4.1.2. Mitigated

Mobile source emissions results are presented in Sections 2.5. No further detailed breakdown of emissions is available.

4.2. Energy

4.2.1. Electricity Emissions By Land Use - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	2,484
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	58.0
Recreational Swimming Pool	—	—	—	—	—	—	—	—	—	—	1,206
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	973

Total	—	—	—	—	—	—	—	—	—	—	4,720
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	2,484
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	58.0
Recreational Swimming Pool	—	—	—	—	—	—	—	—	—	—	1,206
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	973
Total	—	—	—	—	—	—	—	—	—	—	4,720
Annual	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	411
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	9.59
Recreational Swimming Pool	—	—	—	—	—	—	—	—	—	—	200
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	161
Total	—	—	—	—	—	—	—	—	—	—	782

4.2.2. Electricity Emissions By Land Use - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—

Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	2,484
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	58.0
Recreational Swimming Pool	—	—	—	—	—	—	—	—	—	—	1,206
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	973
Total	—	—	—	—	—	—	—	—	—	—	4,720
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	2,484
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	58.0
Recreational Swimming Pool	—	—	—	—	—	—	—	—	—	—	1,206
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	973
Total	—	—	—	—	—	—	—	—	—	—	4,720
Annual	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	411
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	9.59
Recreational Swimming Pool	—	—	—	—	—	—	—	—	—	—	200

Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	161
Total	—	—	—	—	—	—	—	—	—	—	782

4.2.3. Natural Gas Emissions By Land Use - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00
High Turnover (Sit Down Restaurant)	< 0.005	0.02	0.02	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	25.2
Recreational Swimming Pool	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00
Enclosed Parking with Elevator	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00
Total	< 0.005	0.02	0.02	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	25.2
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00
High Turnover (Sit Down Restaurant)	< 0.005	0.02	0.02	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	25.2
Recreational Swimming Pool	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00
Enclosed Parking with Elevator	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00

Total	< 0.005	0.02	0.02	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	25.2
Annual	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00
High Turnover (Sit Down Restaurant)	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	4.18
Recreational Swimming Pool	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00
Enclosed Parking with Elevator	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00
Total	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	4.18

4.2.4. Natural Gas Emissions By Land Use - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00
High Turnover (Sit Down Restaurant)	< 0.005	0.02	0.02	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	25.2
Recreational Swimming Pool	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00
Enclosed Parking with Elevator	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00
Total	< 0.005	0.02	0.02	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	25.2
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—

Apartments Mid Rise	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00
High Turnover (Sit Down Restaurant)	< 0.005	0.02	0.02	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	25.2
Recreational Swimming Pool	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00
Enclosed Parking with Elevator	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00
Total	< 0.005	0.02	0.02	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	25.2
Annual	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00
High Turnover (Sit Down Restaurant)	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	4.18
Recreational Swimming Pool	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00
Enclosed Parking with Elevator	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00
Total	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	4.18

4.3. Area Emissions by Source

4.3.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Source	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—

Consumer Products	11.2	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.93	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	4.95	0.43	46.9	< 0.005	0.04	—	0.04	0.03	—	0.03	142
Total	17.0	0.43	46.9	< 0.005	0.04	—	0.04	0.03	—	0.03	142
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	11.2	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.93	—	—	—	—	—	—	—	—	—	—
Total	12.1	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	2.04	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.17	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	0.62	0.05	5.86	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	16.1
Total	2.82	0.05	5.86	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	16.1

4.3.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Source	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	11.2	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.93	—	—	—	—	—	—	—	—	—	—

Landscape Equipment	4.95	0.43	46.9	< 0.005	0.04	—	0.04	0.03	—	0.03	142
Total	17.0	0.43	46.9	< 0.005	0.04	—	0.04	0.03	—	0.03	142
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	11.2	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.93	—	—	—	—	—	—	—	—	—	—
Total	12.1	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	2.04	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.17	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	0.62	0.05	5.86	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	16.1
Total	2.82	0.05	5.86	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	16.1

4.4. Water Emissions by Land Use

4.4.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	353
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	5.12

Recreational Swimming Pool	—	—	—	—	—	—	—	—	—	—	0.79
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	359
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	353
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	5.12
Recreational Swimming Pool	—	—	—	—	—	—	—	—	—	—	0.79
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	359
Annual	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	58.4
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	0.85
Recreational Swimming Pool	—	—	—	—	—	—	—	—	—	—	0.13
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	59.4

4.4.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	282
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	4.10
Recreational Swimming Pool	—	—	—	—	—	—	—	—	—	—	0.63
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	287
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	282
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	4.10
Recreational Swimming Pool	—	—	—	—	—	—	—	—	—	—	0.63
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	287
Annual	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	46.7

High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	0.68
Recreational Swimming Pool	—	—	—	—	—	—	—	—	—	—	0.10
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	47.5

4.5. Waste Emissions by Land Use

4.5.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	692
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	25.1
Recreational Swimming Pool	—	—	—	—	—	—	—	—	—	—	9.49
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	727
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	692

High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	25.1
Recreational Swimming Pool	—	—	—	—	—	—	—	—	—	—	9.49
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	727
Annual	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	115
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	4.16
Recreational Swimming Pool	—	—	—	—	—	—	—	—	—	—	1.57
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	120

4.5.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	176
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	6.38

Recreational Swimming Pool	—	—	—	—	—	—	—	—	—	—	2.41
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	185
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	176
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	6.38
Recreational Swimming Pool	—	—	—	—	—	—	—	—	—	—	2.41
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	185
Annual	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	29.1
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	1.06
Recreational Swimming Pool	—	—	—	—	—	—	—	—	—	—	0.40
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	30.6

4.6. Refrigerant Emissions by Land Use

4.6.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	3.72
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	1.75
Recreational Swimming Pool	—	—	—	—	—	—	—	—	—	—	< 0.005
Total	—	—	—	—	—	—	—	—	—	—	5.47
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	3.72
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	1.75
Recreational Swimming Pool	—	—	—	—	—	—	—	—	—	—	< 0.005
Total	—	—	—	—	—	—	—	—	—	—	5.47
Annual	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	0.62
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	0.29

Recreational Swimming Pool	—	—	—	—	—	—	—	—	—	—	< 0.005
Total	—	—	—	—	—	—	—	—	—	—	0.91

4.6.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	3.72
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	1.75
Recreational Swimming Pool	—	—	—	—	—	—	—	—	—	—	< 0.005
Total	—	—	—	—	—	—	—	—	—	—	5.47
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	3.72
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	1.75
Recreational Swimming Pool	—	—	—	—	—	—	—	—	—	—	< 0.005
Total	—	—	—	—	—	—	—	—	—	—	5.47
Annual	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	0.62

High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	0.29
Recreational Swimming Pool	—	—	—	—	—	—	—	—	—	—	< 0.005
Total	—	—	—	—	—	—	—	—	—	—	0.91

4.7. Offroad Emissions By Equipment Type

4.7.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—

4.7.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—

Total	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—

4.8. Stationary Emissions By Equipment Type

4.8.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Emergency Generator	0.98	2.75	2.51	< 0.005	0.14	0.00	0.14	0.14	0.00	0.14	505
Total	0.98	2.75	2.51	< 0.005	0.14	0.00	0.14	0.14	0.00	0.14	505
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Emergency Generator	0.98	2.75	2.51	< 0.005	0.14	0.00	0.14	0.14	0.00	0.14	505
Total	0.98	2.75	2.51	< 0.005	0.14	0.00	0.14	0.14	0.00	0.14	505
Annual	—	—	—	—	—	—	—	—	—	—	—
Emergency Generator	0.10	0.28	0.25	< 0.005	0.01	0.00	0.01	0.01	0.00	0.01	45.8
Total	0.10	0.28	0.25	< 0.005	0.01	0.00	0.01	0.01	0.00	0.01	45.8

4.8.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—

Emergency Generator	0.98	2.75	2.51	< 0.005	0.14	0.00	0.14	0.14	0.00	0.14	505
Total	0.98	2.75	2.51	< 0.005	0.14	0.00	0.14	0.14	0.00	0.14	505
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Emergency Generator	0.98	2.75	2.51	< 0.005	0.14	0.00	0.14	0.14	0.00	0.14	505
Total	0.98	2.75	2.51	< 0.005	0.14	0.00	0.14	0.14	0.00	0.14	505
Annual	—	—	—	—	—	—	—	—	—	—	—
Emergency Generator	0.10	0.28	0.25	< 0.005	0.01	0.00	0.01	0.01	0.00	0.01	45.8
Total	0.10	0.28	0.25	< 0.005	0.01	0.00	0.01	0.01	0.00	0.01	45.8

4.9. User Defined Emissions By Equipment Type

4.9.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—

4.9.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Vegetation	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—

4.10.2. Above and Belowground Carbon Accumulation by Land Use Type - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—

Total	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Species	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—

Avoided	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—

4.10.4. Soil Carbon Accumulation By Vegetation Type - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Vegetation	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—

4.10.5. Above and Belowground Carbon Accumulation by Land Use Type - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—

Annual	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—

4.10.6. Avoided and Sequestered Emissions by Species - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Species	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—

Removed	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—

5. Activity Data

5.9. Operational Mobile Sources

5.9.1. Unmitigated

Land Use Type	Trips/Weekday	Trips/Saturday	Trips/Sunday	Trips/Year	VMT/Weekday	VMT/Saturday	VMT/Sunday	VMT/Year
Total all Land Uses	2,731	2,731	2,731	996,815	17,721	17,721	17,721	6,468,165

5.9.2. Mitigated

Land Use Type	Trips/Weekday	Trips/Saturday	Trips/Sunday	Trips/Year	VMT/Weekday	VMT/Saturday	VMT/Sunday	VMT/Year
Total all Land Uses	2,731	2,731	2,731	996,815	17,721	17,721	17,721	6,468,165

5.10. Operational Area Sources

5.10.1. Hearths

5.10.1.1. Unmitigated

5.10.1.2. Mitigated

5.10.2. Architectural Coatings

Residential Interior Area Coated (sq ft)	Residential Exterior Area Coated (sq ft)	Non-Residential Interior Area Coated (sq ft)	Non-Residential Exterior Area Coated (sq ft)	Parking Area Coated (sq ft)
1051189.65	350,397	13,199	1,840	15,360

5.10.3. Landscape Equipment

Season	Unit	Value
Snow Days	day/yr	0.00
Summer Days	day/yr	250

5.10.4. Landscape Equipment - Mitigated

Season	Unit	Value
Snow Days	day/yr	0.00
Summer Days	day/yr	250

5.11. Operational Energy Consumption

5.11.1. Unmitigated

Electricity (kWh/yr) and CO2 and CH4 and N2O and Natural Gas (kBTU/yr)

Land Use	Electricity (kWh/yr)	CO2	CH4	N2O	Natural Gas (kBTU/yr)
Apartments Mid Rise	2,461,893	365	0.0489	0.0069	0.00
High Turnover (Sit Down Restaurant)	57,436	365	0.0489	0.0069	78,554
Recreational Swimming Pool	1,194,837	365	0.0489	0.0069	0.00
Enclosed Parking with Elevator	964,202	365	0.0489	0.0069	0.00

5.11.2. Mitigated

Electricity (kWh/yr) and CO2 and CH4 and N2O and Natural Gas (kBTU/yr)

Land Use	Electricity (kWh/yr)	CO2	CH4	N2O	Natural Gas (kBTU/yr)
Apartments Mid Rise	2,461,893	365	0.0489	0.0069	0.00
High Turnover (Sit Down Restaurant)	57,436	365	0.0489	0.0069	78,554

Recreational Swimming Pool	1,194,837	365	0.0489	0.0069	0.00
Enclosed Parking with Elevator	964,202	365	0.0489	0.0069	0.00

5.12. Operational Water and Wastewater Consumption

5.12.1. Unmitigated

Land Use	Indoor Water (gal/year)	Outdoor Water (gal/year)
Apartments Mid Rise	23,258,851	356,433
High Turnover (Sit Down Restaurant)	339,654	0.00
Recreational Swimming Pool	52,223	0.00
Enclosed Parking with Elevator	0.00	0.00

5.12.2. Mitigated

Land Use	Indoor Water (gal/year)	Outdoor Water (gal/year)
Apartments Mid Rise	18,607,081	285,147
High Turnover (Sit Down Restaurant)	271,723	0.00
Recreational Swimming Pool	41,779	0.00
Enclosed Parking with Elevator	0.00	0.00

5.13. Operational Waste Generation

5.13.1. Unmitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)
Apartments Mid Rise	367	—
High Turnover (Sit Down Restaurant)	13.3	—
Recreational Swimming Pool	5.03	—
Enclosed Parking with Elevator	0.00	—

5.13.2. Mitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)
Apartments Mid Rise	93.2	—
High Turnover (Sit Down Restaurant)	3.38	—
Recreational Swimming Pool	1.28	—
Enclosed Parking with Elevator	0.00	—

5.14. Operational Refrigeration and Air Conditioning Equipment

5.14.1. Unmitigated

Land Use Type	Equipment Type	Refrigerant	GWP	Quantity (kg)	Operations Leak Rate	Service Leak Rate	Times Serviced
Apartments Mid Rise	Average room A/C & Other residential A/C and heat pumps	R-410A	2,088	< 0.005	2.50	2.50	10.0
Apartments Mid Rise	Household refrigerators and/or freezers	R-134a	1,430	0.12	0.60	0.00	1.00
High Turnover (Sit Down Restaurant)	Household refrigerators and/or freezers	R-134a	1,430	0.00	0.60	0.00	1.00
High Turnover (Sit Down Restaurant)	Other commercial A/C and heat pumps	R-410A	2,088	1.80	4.00	4.00	18.0
High Turnover (Sit Down Restaurant)	Walk-in refrigerators and freezers	R-404A	3,922	< 0.005	7.50	7.50	20.0
Recreational Swimming Pool	Other commercial A/C and heat pumps	R-410A	2,088	< 0.005	4.00	4.00	18.0
Recreational Swimming Pool	Stand-alone retail refrigerators and freezers	R-134a	1,430	0.04	1.00	0.00	1.00

5.14.2. Mitigated

Land Use Type	Equipment Type	Refrigerant	GWP	Quantity (kg)	Operations Leak Rate	Service Leak Rate	Times Serviced
Apartments Mid Rise	Average room A/C & Other residential A/C and heat pumps	R-410A	2,088	< 0.005	2.50	2.50	10.0
Apartments Mid Rise	Household refrigerators and/or freezers	R-134a	1,430	0.12	0.60	0.00	1.00
High Turnover (Sit Down Restaurant)	Household refrigerators and/or freezers	R-134a	1,430	0.00	0.60	0.00	1.00
High Turnover (Sit Down Restaurant)	Other commercial A/C and heat pumps	R-410A	2,088	1.80	4.00	4.00	18.0
High Turnover (Sit Down Restaurant)	Walk-in refrigerators and freezers	R-404A	3,922	< 0.005	7.50	7.50	20.0
Recreational Swimming Pool	Other commercial A/C and heat pumps	R-410A	2,088	< 0.005	4.00	4.00	18.0
Recreational Swimming Pool	Stand-alone retail refrigerators and freezers	R-134a	1,430	0.04	1.00	0.00	1.00

5.15. Operational Off-Road Equipment

5.15.1. Unmitigated

Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor

5.15.2. Mitigated

Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor

5.16. Stationary Sources

5.16.1. Emergency Generators and Fire Pumps

Equipment Type	Fuel Type	Number per Day	Hours per Day	Hours per Year	Horsepower	Load Factor

Emergency Generator	Diesel	2.00	1.00	200	300	0.73

5.16.2. Process Boilers

Equipment Type	Fuel Type	Number	Boiler Rating (MMBtu/hr)	Daily Heat Input (MMBtu/day)	Annual Heat Input (MMBtu/yr)

5.17. User Defined

Equipment Type	Fuel Type

5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres

5.18.1.2. Mitigated

Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres

5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

Biomass Cover Type	Initial Acres	Final Acres

5.18.1.2. Mitigated

Biomass Cover Type	Initial Acres	Final Acres

5.18.2. Sequestration

5.18.2.1. Unmitigated

Tree Type	Number	Electricity Saved (kWh/year)	Natural Gas Saved (btu/year)

5.18.2.2. Mitigated

Tree Type	Number	Electricity Saved (kWh/year)	Natural Gas Saved (btu/year)

6. Climate Risk Detailed Report

6.1. Climate Risk Summary

Cal-Adapt midcentury 2040–2059 average projections for four hazards are reported below for your project location. These are under Representation Concentration Pathway (RCP) 8.5 which assumes GHG emissions will continue to rise strongly through 2050 and then plateau around 2100.

Climate Hazard	Result for Project Location	Unit
Temperature and Extreme Heat	9.52	annual days of extreme heat
Extreme Precipitation	6.15	annual days with precipitation above 20 mm
Sea Level Rise	—	meters of inundation depth
Wildfire	0.00	annual hectares burned

Temperature and Extreme Heat data are for grid cell in which your project are located. The projection is based on the 98th historical percentile of daily maximum/minimum temperatures from observed historical data (32 climate model ensemble from Cal-Adapt, 2040–2059 average under RCP 8.5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.
Extreme Precipitation data are for the grid cell in which your project are located. The threshold of 20 mm is equivalent to about ¾ an inch of rain, which would be light to moderate rainfall if received over a full day or heavy rain if received over a period of 2 to 4 hours. Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.
Sea Level Rise data are for the grid cell in which your project are located. The projections are from Radke et al. (2017), as reported in Cal-Adapt (Radke et al., 2017, CEC-500-2017-008), and consider inundation location and depth for the San Francisco Bay, the Sacramento-San Joaquin River Delta and California coast resulting different increments of sea level rise coupled with extreme storm events. Users may select from four scenarios to view the range in potential inundation depth for the grid cell. The four scenarios are: No rise, 0.5 meter, 1.0 meter, 1.41 meters
Wildfire data are for the grid cell in which your project are located. The projections are from UC Davis, as reported in Cal-Adapt (2040–2059 average under RCP 8.5), and consider historical data of climate, vegetation, population density, and large (> 400 ha) fire history. Users may select from four model simulations to view the range in potential wildfire probabilities for the grid cell. The four simulations make different assumptions about expected rainfall and temperature are: Warmer/drier (HadGEM2-ES), Cooler/wetter (CNRM-CM5), Average conditions (CanESM2), Range of different rainfall and temperature possibilities (MIROC5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.

6.2. Initial Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	N/A	N/A	N/A	N/A
Extreme Precipitation	N/A	N/A	N/A	N/A
Sea Level Rise	N/A	N/A	N/A	N/A
Wildfire	N/A	N/A	N/A	N/A
Flooding	N/A	N/A	N/A	N/A
Drought	N/A	N/A	N/A	N/A
Snowpack Reduction	N/A	N/A	N/A	N/A
Air Quality Degradation	N/A	N/A	N/A	N/A

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.
The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from prcjected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.
The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores do not include implementation of climate risk reduction measures.

6.3. Adjusted Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	N/A	N/A	N/A	N/A
Extreme Precipitation	N/A	N/A	N/A	N/A
Sea Level Rise	N/A	N/A	N/A	N/A
Wildfire	N/A	N/A	N/A	N/A
Flooding	N/A	N/A	N/A	N/A
Drought	N/A	N/A	N/A	N/A
Snowpack Reduction	N/A	N/A	N/A	N/A
Air Quality Degradation	N/A	N/A	N/A	N/A

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.
The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from prcjected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.

The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores include implementation of climate risk reduction measures.

6.4. Climate Risk Reduction Measures

7. Health and Equity Details

7.1. CalEnviroScreen 4.0 Scores

The maximum CalEnviroScreen score is 100. A high score (i.e., greater than 50) reflects a higher pollution burden compared to other census tracts in the state.

Indicator	Result for Project Census Tract
Exposure Indicators	—
AQ-Ozone	50.5
AQ-PM	89.2
AQ-DPM	95.5
Drinking Water	92.5
Lead Risk Housing	71.6
Pesticides	0.00
Toxic Releases	82.2
Traffic	85.9
Effect Indicators	—
CleanUp Sites	97.2
Groundwater	78.1
Haz Waste Facilities/Generators	98.8
Impaired Water Bodies	66.7
Solid Waste	96.0
Sensitive Population	—
Asthma	97.7
Cardio-vascular	65.1
Low Birth Weights	71.6
Socioeconomic Factor Indicators	—

Education	74.4
Housing	68.5
Linguistic	91.8
Poverty	75.4
Unemployment	79.7

7.2. Healthy Places Index Scores

The maximum Health Places Index score is 100. A high score (i.e., greater than 50) reflects healthier community conditions compared to other census tracts in the state.

Indicator	Result for Project Census Tract
Economic	—
Above Poverty	10.5350956
Employed	49.30065443
Median HI	4.273065572
Education	—
Bachelor's or higher	63.26190171
High school enrollment	100
Preschool enrollment	95.7141024
Transportation	—
Auto Access	1.180546644
Active commuting	97.42076222
Social	—
2-parent households	4.119081227
Voting	13.0373412
Neighborhood	—
Alcohol availability	9.5983575
Park access	81.35506224
Retail density	43.6160657
Supermarket access	82.8564096

Tree canopy	14.50019248
Housing	—
Homeownership	6.723983062
Housing habitability	0.166816374
Low-inc homeowner severe housing cost burden	1.475683306
Low-inc renter severe housing cost burden	66.38008469
Uncrowded housing	6.300526113
Health Outcomes	—
Insured adults	5.902733222
Arthritis	53.0
Asthma ER Admissions	1.4
High Blood Pressure	12.0
Cancer (excluding skin)	82.6
Asthma	21.6
Coronary Heart Disease	15.5
Chronic Obstructive Pulmonary Disease	14.4
Diagnosed Diabetes	11.3
Life Expectancy at Birth	5.1
Cognitively Disabled	13.7
Physically Disabled	6.4
Heart Attack ER Admissions	46.0
Mental Health Not Good	14.9
Chronic Kidney Disease	20.1
Obesity	9.6
Pedestrian Injuries	100.0
Physical Health Not Good	12.4
Stroke	13.0
Health Risk Behaviors	—

Binge Drinking	60.3
Current Smoker	7.4
No Leisure Time for Physical Activity	24.7
Climate Change Exposures	—
Wildfire Risk	0.0
SLR Inundation Area	0.0
Children	76.4
Elderly	97.3
English Speaking	7.7
Foreign-born	75.6
Outdoor Workers	46.0
Climate Change Adaptive Capacity	—
Impervious Surface Cover	0.0
Traffic Density	90.2
Traffic Access	87.4
Other Indices	—
Hardship	82.8
Other Decision Support	—
2016 Voting	5.0

7.3. Overall Health & Equity Scores

Metric	Result for Project Census Tract
CalEnviroScreen 4.0 Score for Project Location (a)	100
Healthy Places Index Score for Project Location (b)	14.0
Project Located in a Designated Disadvantaged Community (Senate Bill 535)	Yes
Project Located in a Low-Income Community (Assembly Bill 1550)	Yes
Project Located in a Community Air Protection Program Community (Assembly Bill 617)	No

a: The maximum CalEnviroScreen score is 100. A high score (i.e., greater than 50) reflects a higher pollution burden compared to other census tracts in the state.
b: The maximum Health Places Index score is 100. A high score (i.e., greater than 50) reflects healthier community conditions compared to other census tracts in the state.

7.4. Health & Equity Measures

No Health & Equity Measures selected.

7.5. Evaluation Scorecard

Health & Equity Evaluation Scorecard not completed.

7.6. Health & Equity Custom Measures

No Health & Equity Custom Measures created.

8. User Changes to Default Data

Screen	Justification
Characteristics: Utility Information	Carbon Intensity for 2029
Land Use	Project Specific
Operations: Hearths	No Hearth
Operations: Energy Use	Ordinance 187714

DTLA Row - Operations Detailed Report

Table of Contents

1. Basic Project Information

1.1. Basic Project Information

1.2. Land Use Types

1.3. User-Selected Emission Reduction Measures by Emissions Sector

2. Emissions Summary

2.4. Operations Emissions Compared Against Thresholds

2.5. Operations Emissions by Sector, Unmitigated

2.6. Operations Emissions by Sector, Mitigated

4. Operations Emissions Details

4.1. Mobile Emissions by Land Use

4.1.1. Unmitigated

4.1.2. Mitigated

4.2. Energy

4.2.1. Electricity Emissions By Land Use - Unmitigated

4.2.2. Electricity Emissions By Land Use - Mitigated

4.2.3. Natural Gas Emissions By Land Use - Unmitigated

4.2.4. Natural Gas Emissions By Land Use - Mitigated

4.3. Area Emissions by Source

4.3.1. Unmitigated

4.3.2. Mitigated

4.4. Water Emissions by Land Use

4.4.1. Unmitigated

4.4.2. Mitigated

4.5. Waste Emissions by Land Use

4.5.1. Unmitigated

4.5.2. Mitigated

4.6. Refrigerant Emissions by Land Use

4.6.1. Unmitigated

4.6.2. Mitigated

4.7. Offroad Emissions By Equipment Type

4.7.1. Unmitigated

4.7.2. Mitigated

4.8. Stationary Emissions By Equipment Type

4.8.1. Unmitigated

4.8.2. Mitigated

4.9. User Defined Emissions By Equipment Type

4.9.1. Unmitigated

4.9.2. Mitigated

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

4.10.2. Above and Belowground Carbon Accumulation by Land Use Type - Unmitigated

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

4.10.4. Soil Carbon Accumulation By Vegetation Type - Mitigated

4.10.5. Above and Belowground Carbon Accumulation by Land Use Type - Mitigated

4.10.6. Avoided and Sequestered Emissions by Species - Mitigated

5. Activity Data

5.9. Operational Mobile Sources

5.9.1. Unmitigated

5.9.2. Mitigated

5.10. Operational Area Sources

5.10.1. Hearths

5.10.1.1. Unmitigated

5.10.1.2. Mitigated

5.10.2. Architectural Coatings

5.10.3. Landscape Equipment

5.10.4. Landscape Equipment - Mitigated

5.11. Operational Energy Consumption

5.11.1. Unmitigated

5.11.2. Mitigated

5.12. Operational Water and Wastewater Consumption

5.12.1. Unmitigated

5.12.2. Mitigated

5.13. Operational Waste Generation

5.13.1. Unmitigated

5.13.2. Mitigated

5.14. Operational Refrigeration and Air Conditioning Equipment

5.14.1. Unmitigated

5.14.2. Mitigated

5.15. Operational Off-Road Equipment

5.15.1. Unmitigated

5.15.2. Mitigated

5.16. Stationary Sources

5.16.1. Emergency Generators and Fire Pumps

5.16.2. Process Boilers

5.17. User Defined

5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

5.18.1.2. Mitigated

5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

5.18.1.2. Mitigated

5.18.2. Sequestration

5.18.2.1. Unmitigated

5.18.2.2. Mitigated

6. Climate Risk Detailed Report

6.1. Climate Risk Summary

6.2. Initial Climate Risk Scores

6.3. Adjusted Climate Risk Scores

6.4. Climate Risk Reduction Measures

7. Health and Equity Details

7.1. CalEnviroScreen 4.0 Scores

7.2. Healthy Places Index Scores

7.3. Overall Health & Equity Scores

7.4. Health & Equity Measures

7.5. Evaluation Scorecard

7.6. Health & Equity Custom Measures

8. User Changes to Default Data

1. Basic Project Information

1.1. Basic Project Information

Data Field	Value
Project Name	DTLA Row - Operations
Operational Year	2032
Lead Agency	—
Land Use Scale	Project/site
Analysis Level for Defaults	County
Windspeed (m/s)	0.50
Precipitation (days)	18.4
Location	34.03283673591915, -118.23932369571361
County	Los Angeles-South Coast
City	Los Angeles
Air District	South Coast AQMD
Air Basin	South Coast
TAZ	4066
EDFZ	16
Electric Utility	Los Angeles Department of Water & Power
Gas Utility	Southern California Gas
App Version	2022.1.1.29

1.2. Land Use Types

Land Use Subtype	Size	Unit	Lot Acreage	Building Area (sq ft)	Landscape Area (sq ft)	Special Landscape Area (sq ft)	Population	Description
Apartments Mid Rise	1,000	Dwelling Unit	4.81	519,106	31,530	0.00	2,354	—

High Turnover (Sit Down Restaurant)	6.55	1000sqft	0.00	6,547	0.00	0.00	—	—
Recreational Swimming Pool	0.88	1000sqft	0.00	883	0.00	0.00	—	—
Enclosed Parking with Elevator	1,092	Space	9.83	436,800	0.00	0.00	—	—

1.3. User-Selected Emission Reduction Measures by Emissions Sector

Sector	#	Measure Title
Water	W-7	Adopt a Water Conservation Strategy
Waste	S-1/S-2	Implement Waste Reduction Plan

2. Emissions Summary

2.4. Operations Emissions Compared Against Thresholds

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Un/Mit.	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Unmit.	33.3	11.8	165	0.23	0.40	21.5	21.9	0.38	5.47	5.85	31,600
Mit.	33.3	11.8	165	0.23	0.40	21.5	21.9	0.38	5.47	5.85	30,546
% Reduced	—	—	—	—	—	—	—	—	—	—	3%
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Unmit.	25.2	11.7	83.1	0.21	0.34	21.5	21.9	0.33	5.47	5.80	30,457
Mit.	25.2	11.7	83.1	0.21	0.34	21.5	21.9	0.33	5.47	5.80	29,403
% Reduced	—	—	—	—	—	—	—	—	—	—	3%
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—
Unmit.	29.9	10.4	135	0.21	0.28	21.3	21.6	0.27	5.41	5.67	30,528

Mit.	29.9	10.4	135	0.21	0.28	21.3	21.6	0.27	5.41	5.67	29,474
% Reduced	—	—	—	—	—	—	—	—	—	—	3%
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—
Unmit.	5.46	1.90	24.7	0.04	0.05	3.88	3.94	0.05	0.99	1.04	5,054
Mit.	5.46	1.90	24.7	0.04	0.05	3.88	3.94	0.05	0.99	1.04	4,880
% Reduced	—	—	—	—	—	—	—	—	—	—	3%

2.5. Operations Emissions by Sector, Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Sector	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Mobile	11.5	6.87	84.6	0.21	0.11	21.5	21.7	0.11	5.47	5.58	22,162
Area	20.3	0.69	76.3	< 0.005	0.06	—	0.06	0.05	—	0.05	232
Energy	0.01	0.12	0.10	< 0.005	0.01	—	0.01	0.01	—	0.01	6,618
Water	—	—	—	—	—	—	—	—	—	—	551
Waste	—	—	—	—	—	—	—	—	—	—	1,265
Refrig.	—	—	—	—	—	—	—	—	—	—	14.0
Stationary	1.48	4.13	3.77	0.01	0.22	0.00	0.22	0.22	0.00	0.22	758
Total	33.3	11.8	165	0.23	0.40	21.5	21.9	0.38	5.47	5.85	31,600
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Mobile	11.5	7.49	79.3	0.20	0.11	21.5	21.7	0.11	5.47	5.58	21,251
Area	12.2	—	—	—	—	—	—	—	—	—	—
Energy	0.01	0.12	0.10	< 0.005	0.01	—	0.01	0.01	—	0.01	6,618
Water	—	—	—	—	—	—	—	—	—	—	551
Waste	—	—	—	—	—	—	—	—	—	—	1,265
Refrig.	—	—	—	—	—	—	—	—	—	—	14.0
Stationary	1.48	4.13	3.77	0.01	0.22	0.00	0.22	0.22	0.00	0.22	758

Total	25.2	11.7	83.1	0.21	0.34	21.5	21.9	0.33	5.47	5.80	30,457
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Mobile	11.3	7.53	81.0	0.21	0.11	21.3	21.4	0.11	5.41	5.51	21,506
Area	17.8	0.47	52.2	< 0.005	0.04	—	0.04	0.03	—	0.03	159
Energy	0.01	0.12	0.10	< 0.005	0.01	—	0.01	0.01	—	0.01	6,618
Water	—	—	—	—	—	—	—	—	—	—	551
Waste	—	—	—	—	—	—	—	—	—	—	1,265
Refrig.	—	—	—	—	—	—	—	—	—	—	14.0
Stationary	0.81	2.26	2.06	< 0.005	0.12	0.00	0.12	0.12	0.00	0.12	415
Total	29.9	10.4	135	0.21	0.28	21.3	21.6	0.27	5.41	5.67	30,528
Annual	—	—	—	—	—	—	—	—	—	—	—
Mobile	2.07	1.37	14.8	0.04	0.02	3.88	3.91	0.02	0.99	1.01	3,560
Area	3.24	0.09	9.53	< 0.005	0.01	—	0.01	0.01	—	0.01	26.3
Energy	< 0.005	0.02	0.02	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	1,096
Water	—	—	—	—	—	—	—	—	—	—	91.2
Waste	—	—	—	—	—	—	—	—	—	—	209
Refrig.	—	—	—	—	—	—	—	—	—	—	2.31
Stationary	0.15	0.41	0.38	< 0.005	0.02	0.00	0.02	0.02	0.00	0.02	68.8
Total	5.46	1.90	24.7	0.04	0.05	3.88	3.94	0.05	0.99	1.04	5,054

2.6. Operations Emissions by Sector, Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Sector	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Mobile	11.5	6.87	84.6	0.21	0.11	21.5	21.7	0.11	5.47	5.58	22,162
Area	20.3	0.69	76.3	< 0.005	0.06	—	0.06	0.05	—	0.05	232
Energy	0.01	0.12	0.10	< 0.005	0.01	—	0.01	0.01	—	0.01	6,618

Water	—	—	—	—	—	—	—	—	—	—	441
Waste	—	—	—	—	—	—	—	—	—	—	321
Refrig.	—	—	—	—	—	—	—	—	—	—	14.0
Stationary	1.48	4.13	3.77	0.01	0.22	0.00	0.22	0.22	0.00	0.22	758
Total	33.3	11.8	165	0.23	0.40	21.5	21.9	0.38	5.47	5.85	30,546
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Mobile	11.5	7.49	79.3	0.20	0.11	21.5	21.7	0.11	5.47	5.58	21,251
Area	12.2	—	—	—	—	—	—	—	—	—	—
Energy	0.01	0.12	0.10	< 0.005	0.01	—	0.01	0.01	—	0.01	6,618
Water	—	—	—	—	—	—	—	—	—	—	441
Waste	—	—	—	—	—	—	—	—	—	—	321
Refrig.	—	—	—	—	—	—	—	—	—	—	14.0
Stationary	1.48	4.13	3.77	0.01	0.22	0.00	0.22	0.22	0.00	0.22	758
Total	25.2	11.7	83.1	0.21	0.34	21.5	21.9	0.33	5.47	5.80	29,403
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Mobile	11.3	7.53	81.0	0.21	0.11	21.3	21.4	0.11	5.41	5.51	21,506
Area	17.8	0.47	52.2	< 0.005	0.04	—	0.04	0.03	—	0.03	159
Energy	0.01	0.12	0.10	< 0.005	0.01	—	0.01	0.01	—	0.01	6,618
Water	—	—	—	—	—	—	—	—	—	—	441
Waste	—	—	—	—	—	—	—	—	—	—	321
Refrig.	—	—	—	—	—	—	—	—	—	—	14.0
Stationary	0.81	2.26	2.06	< 0.005	0.12	0.00	0.12	0.12	0.00	0.12	415
Total	29.9	10.4	135	0.21	0.28	21.3	21.6	0.27	5.41	5.67	29,474
Annual	—	—	—	—	—	—	—	—	—	—	—
Mobile	2.07	1.37	14.8	0.04	0.02	3.88	3.91	0.02	0.99	1.01	3,560
Area	3.24	0.09	9.53	< 0.005	0.01	—	0.01	0.01	—	0.01	26.3
Energy	< 0.005	0.02	0.02	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	1,096
Water	—	—	—	—	—	—	—	—	—	—	73.0

Waste	—	—	—	—	—	—	—	—	—	—	53.2
Refrig.	—	—	—	—	—	—	—	—	—	—	2.31
Stationary	0.15	0.41	0.38	< 0.005	0.02	0.00	0.02	0.02	0.00	0.02	68.8
Total	5.46	1.90	24.7	0.04	0.05	3.88	3.94	0.05	0.99	1.04	4,880

4. Operations Emissions Details

4.1. Mobile Emissions by Land Use

4.1.1. Unmitigated

Mobile source emissions results are presented in Sections 2.6. No further detailed breakdown of emissions is available.

4.1.2. Mitigated

Mobile source emissions results are presented in Sections 2.5. No further detailed breakdown of emissions is available.

4.2. Energy

4.2.1. Electricity Emissions By Land Use - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	3,321
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	283
Recreational Swimming Pool	—	—	—	—	—	—	—	—	—	—	1,509
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	1,357

Total	—	—	—	—	—	—	—	—	—	—	6,471
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	3,321
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	283
Recreational Swimming Pool	—	—	—	—	—	—	—	—	—	—	1,509
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	1,357
Total	—	—	—	—	—	—	—	—	—	—	6,471
Annual	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	550
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	46.8
Recreational Swimming Pool	—	—	—	—	—	—	—	—	—	—	250
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	225
Total	—	—	—	—	—	—	—	—	—	—	1,071

4.2.2. Electricity Emissions By Land Use - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—

Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	3,321
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	283
Recreational Swimming Pool	—	—	—	—	—	—	—	—	—	—	1,509
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	1,357
Total	—	—	—	—	—	—	—	—	—	—	6,471
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	3,321
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	283
Recreational Swimming Pool	—	—	—	—	—	—	—	—	—	—	1,509
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	1,357
Total	—	—	—	—	—	—	—	—	—	—	6,471
Annual	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	550
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	46.8
Recreational Swimming Pool	—	—	—	—	—	—	—	—	—	—	250

Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	225
Total	—	—	—	—	—	—	—	—	—	—	1,071

4.2.3. Natural Gas Emissions By Land Use - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00
High Turnover (Sit Down Restaurant)	0.01	0.12	0.10	< 0.005	0.01	—	0.01	0.01	—	0.01	148
Recreational Swimming Pool	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00
Enclosed Parking with Elevator	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00
Total	0.01	0.12	0.10	< 0.005	0.01	—	0.01	0.01	—	0.01	148
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00
High Turnover (Sit Down Restaurant)	0.01	0.12	0.10	< 0.005	0.01	—	0.01	0.01	—	0.01	148
Recreational Swimming Pool	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00
Enclosed Parking with Elevator	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00

Total	0.01	0.12	0.10	< 0.005	0.01	—	0.01	0.01	—	0.01	148
Annual	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00
High Turnover (Sit Down Restaurant)	< 0.005	0.02	0.02	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	24.5
Recreational Swimming Pool	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00
Enclosed Parking with Elevator	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00
Total	< 0.005	0.02	0.02	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	24.5

4.2.4. Natural Gas Emissions By Land Use - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00
High Turnover (Sit Down Restaurant)	0.01	0.12	0.10	< 0.005	0.01	—	0.01	0.01	—	0.01	148
Recreational Swimming Pool	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00
Enclosed Parking with Elevator	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00
Total	0.01	0.12	0.10	< 0.005	0.01	—	0.01	0.01	—	0.01	148
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—

Apartments Mid Rise	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00
High Turnover (Sit Down Restaurant)	0.01	0.12	0.10	< 0.005	0.01	—	0.01	0.01	—	0.01	148
Recreational Swimming Pool	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00
Enclosed Parking with Elevator	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00
Total	0.01	0.12	0.10	< 0.005	0.01	—	0.01	0.01	—	0.01	148
Annual	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00
High Turnover (Sit Down Restaurant)	< 0.005	0.02	0.02	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	24.5
Recreational Swimming Pool	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00
Enclosed Parking with Elevator	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00
Total	< 0.005	0.02	0.02	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	24.5

4.3. Area Emissions by Source

4.3.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Source	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—

Consumer Products	11.3	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.97	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	8.07	0.69	76.3	< 0.005	0.06	—	0.06	0.05	—	0.05	232
Total	20.3	0.69	76.3	< 0.005	0.06	—	0.06	0.05	—	0.05	232
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	11.3	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.97	—	—	—	—	—	—	—	—	—	—
Total	12.2	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	2.06	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.18	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	1.01	0.09	9.53	< 0.005	0.01	—	0.01	0.01	—	0.01	26.3
Total	3.24	0.09	9.53	< 0.005	0.01	—	0.01	0.01	—	0.01	26.3

4.3.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Source	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	11.3	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.97	—	—	—	—	—	—	—	—	—	—

Landscape Equipment	8.07	0.69	76.3	< 0.005	0.06	—	0.06	0.05	—	0.05	232
Total	20.3	0.69	76.3	< 0.005	0.06	—	0.06	0.05	—	0.05	232
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	11.3	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.97	—	—	—	—	—	—	—	—	—	—
Total	12.2	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	2.06	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.18	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	1.01	0.09	9.53	< 0.005	0.01	—	0.01	0.01	—	0.01	26.3
Total	3.24	0.09	9.53	< 0.005	0.01	—	0.01	0.01	—	0.01	26.3

4.4. Water Emissions by Land Use

4.4.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	522
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	27.7

Recreational Swimming Pool	—	—	—	—	—	—	—	—	—	—	0.73
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	551
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	522
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	27.7
Recreational Swimming Pool	—	—	—	—	—	—	—	—	—	—	0.73
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	551
Annual	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	86.5
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	4.59
Recreational Swimming Pool	—	—	—	—	—	—	—	—	—	—	0.12
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	91.2

4.4.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	418
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	22.2
Recreational Swimming Pool	—	—	—	—	—	—	—	—	—	—	0.58
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	441
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	418
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	22.2
Recreational Swimming Pool	—	—	—	—	—	—	—	—	—	—	0.58
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	441
Annual	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	69.2

High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	3.67
Recreational Swimming Pool	—	—	—	—	—	—	—	—	—	—	0.10
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	73.0

4.5. Waste Emissions by Land Use

4.5.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	1,109
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	147
Recreational Swimming Pool	—	—	—	—	—	—	—	—	—	—	9.49
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	1,265
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	1,109

High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	147
Recreational Swimming Pool	—	—	—	—	—	—	—	—	—	—	9.49
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	1,265
Annual	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	184
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	24.3
Recreational Swimming Pool	—	—	—	—	—	—	—	—	—	—	1.57
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	209

4.5.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	282
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	37.3

Recreational Swimming Pool	—	—	—	—	—	—	—	—	—	—	2.41
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	321
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	282
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	37.3
Recreational Swimming Pool	—	—	—	—	—	—	—	—	—	—	2.41
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	321
Annual	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	46.6
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	6.18
Recreational Swimming Pool	—	—	—	—	—	—	—	—	—	—	0.40
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	53.2

4.6. Refrigerant Emissions by Land Use

4.6.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	3.72
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	10.2
Recreational Swimming Pool	—	—	—	—	—	—	—	—	—	—	< 0.005
Total	—	—	—	—	—	—	—	—	—	—	14.0
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	3.72
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	10.2
Recreational Swimming Pool	—	—	—	—	—	—	—	—	—	—	< 0.005
Total	—	—	—	—	—	—	—	—	—	—	14.0
Annual	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	0.62
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	1.69

Recreational Swimming Pool	—	—	—	—	—	—	—	—	—	—	< 0.005
Total	—	—	—	—	—	—	—	—	—	—	2.31

4.6.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	3.72
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	10.2
Recreational Swimming Pool	—	—	—	—	—	—	—	—	—	—	< 0.005
Total	—	—	—	—	—	—	—	—	—	—	14.0
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	3.72
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	10.2
Recreational Swimming Pool	—	—	—	—	—	—	—	—	—	—	< 0.005
Total	—	—	—	—	—	—	—	—	—	—	14.0
Annual	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	0.62

High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	1.69
Recreational Swimming Pool	—	—	—	—	—	—	—	—	—	—	< 0.005
Total	—	—	—	—	—	—	—	—	—	—	2.31

4.7. Offroad Emissions By Equipment Type

4.7.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—

4.7.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—

Total	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—

4.8. Stationary Emissions By Equipment Type

4.8.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Emergency Generator	1.48	4.13	3.77	0.01	0.22	0.00	0.22	0.22	0.00	0.22	758
Total	1.48	4.13	3.77	0.01	0.22	0.00	0.22	0.22	0.00	0.22	758
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Emergency Generator	1.48	4.13	3.77	0.01	0.22	0.00	0.22	0.22	0.00	0.22	758
Total	1.48	4.13	3.77	0.01	0.22	0.00	0.22	0.22	0.00	0.22	758
Annual	—	—	—	—	—	—	—	—	—	—	—
Emergency Generator	0.15	0.41	0.38	< 0.005	0.02	0.00	0.02	0.02	0.00	0.02	68.8
Total	0.15	0.41	0.38	< 0.005	0.02	0.00	0.02	0.02	0.00	0.02	68.8

4.8.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—

Emergency Generator	1.48	4.13	3.77	0.01	0.22	0.00	0.22	0.22	0.00	0.22	758
Total	1.48	4.13	3.77	0.01	0.22	0.00	0.22	0.22	0.00	0.22	758
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Emergency Generator	1.48	4.13	3.77	0.01	0.22	0.00	0.22	0.22	0.00	0.22	758
Total	1.48	4.13	3.77	0.01	0.22	0.00	0.22	0.22	0.00	0.22	758
Annual	—	—	—	—	—	—	—	—	—	—	—
Emergency Generator	0.15	0.41	0.38	< 0.005	0.02	0.00	0.02	0.02	0.00	0.02	68.8
Total	0.15	0.41	0.38	< 0.005	0.02	0.00	0.02	0.02	0.00	0.02	68.8

4.9. User Defined Emissions By Equipment Type

4.9.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—

4.9.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Vegetation	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—

4.10.2. Above and Belowground Carbon Accumulation by Land Use Type - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—

Total	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Species	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—

Avoided	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—

4.10.4. Soil Carbon Accumulation By Vegetation Type - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Vegetation	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—

4.10.5. Above and Belowground Carbon Accumulation by Land Use Type - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—

Annual	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—

4.10.6. Avoided and Sequestered Emissions by Species - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Species	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—

Removed	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—

5. Activity Data

5.9. Operational Mobile Sources

5.9.1. Unmitigated

Land Use Type	Trips/Weekday	Trips/Saturday	Trips/Sunday	Trips/Year	VMT/Weekday	VMT/Saturday	VMT/Sunday	VMT/Year
Total all Land Uses	4,648	4,648	4,648	1,696,520	30,369	30,369	30,369	11,084,685

5.9.2. Mitigated

Land Use Type	Trips/Weekday	Trips/Saturday	Trips/Sunday	Trips/Year	VMT/Weekday	VMT/Saturday	VMT/Sunday	VMT/Year
Total all Land Uses	4,648	4,648	4,648	1,696,520	30,369	30,369	30,369	11,084,685

5.10. Operational Area Sources

5.10.1. Hearths

5.10.1.1. Unmitigated

5.10.1.2. Mitigated

5.10.2. Architectural Coatings

Residential Interior Area Coated (sq ft)	Residential Exterior Area Coated (sq ft)	Non-Residential Interior Area Coated (sq ft)	Non-Residential Exterior Area Coated (sq ft)	Parking Area Coated (sq ft)
1051189.65	350,397	29,085	5,414	25,686

5.10.3. Landscape Equipment

Season	Unit	Value
Snow Days	day/yr	0.00
Summer Days	day/yr	250

5.10.4. Landscape Equipment - Mitigated

Season	Unit	Value
Snow Days	day/yr	0.00
Summer Days	day/yr	250

5.11. Operational Energy Consumption

5.11.1. Unmitigated

Electricity (kWh/yr) and CO2 and CH4 and N2O and Natural Gas (kBTU/yr)

Land Use	Electricity (kWh/yr)	CO2	CH4	N2O	Natural Gas (kBTU/yr)
Apartments Mid Rise	3,945,343	304	0.0489	0.0069	0.00
High Turnover (Sit Down Restaurant)	336,045	304	0.0489	0.0069	459,599
Recreational Swimming Pool	1,792,256	304	0.0489	0.0069	0.00
Enclosed Parking with Elevator	1,612,417	304	0.0489	0.0069	0.00

5.11.2. Mitigated

Electricity (kWh/yr) and CO2 and CH4 and N2O and Natural Gas (kBTU/yr)

Land Use	Electricity (kWh/yr)	CO2	CH4	N2O	Natural Gas (kBTU/yr)
Apartments Mid Rise	3,945,343	304	0.0489	0.0069	0.00
High Turnover (Sit Down Restaurant)	336,045	304	0.0489	0.0069	459,599

Recreational Swimming Pool	1,792,256	304	0.0489	0.0069	0.00
Enclosed Parking with Elevator	1,612,417	304	0.0489	0.0069	0.00

5.12. Operational Water and Wastewater Consumption

5.12.1. Unmitigated

Land Use	Indoor Water (gal/year)	Outdoor Water (gal/year)
Apartments Mid Rise	37,273,800	540,461
High Turnover (Sit Down Restaurant)	1,987,235	0.00
Recreational Swimming Pool	52,223	0.00
Enclosed Parking with Elevator	0.00	0.00

5.12.2. Mitigated

Land Use	Indoor Water (gal/year)	Outdoor Water (gal/year)
Apartments Mid Rise	29,819,040	432,369
High Turnover (Sit Down Restaurant)	1,589,788	0.00
Recreational Swimming Pool	41,779	0.00
Enclosed Parking with Elevator	0.00	0.00

5.13. Operational Waste Generation

5.13.1. Unmitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)
Apartments Mid Rise	588	—
High Turnover (Sit Down Restaurant)	77.9	—
Recreational Swimming Pool	5.03	—
Enclosed Parking with Elevator	0.00	—

5.13.2. Mitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)
Apartments Mid Rise	149	—
High Turnover (Sit Down Restaurant)	19.8	—
Recreational Swimming Pool	1.28	—
Enclosed Parking with Elevator	0.00	—

5.14. Operational Refrigeration and Air Conditioning Equipment

5.14.1. Unmitigated

Land Use Type	Equipment Type	Refrigerant	GWP	Quantity (kg)	Operations Leak Rate	Service Leak Rate	Times Serviced
Apartments Mid Rise	Average room A/C & Other residential A/C and heat pumps	R-410A	2,088	< 0.005	2.50	2.50	10.0
Apartments Mid Rise	Household refrigerators and/or freezers	R-134a	1,430	0.12	0.60	0.00	1.00
High Turnover (Sit Down Restaurant)	Household refrigerators and/or freezers	R-134a	1,430	0.00	0.60	0.00	1.00
High Turnover (Sit Down Restaurant)	Other commercial A/C and heat pumps	R-410A	2,088	1.80	4.00	4.00	18.0
High Turnover (Sit Down Restaurant)	Walk-in refrigerators and freezers	R-404A	3,922	< 0.005	7.50	7.50	20.0
Recreational Swimming Pool	Other commercial A/C and heat pumps	R-410A	2,088	< 0.005	4.00	4.00	18.0
Recreational Swimming Pool	Stand-alone retail refrigerators and freezers	R-134a	1,430	0.04	1.00	0.00	1.00

5.14.2. Mitigated

Land Use Type	Equipment Type	Refrigerant	GWP	Quantity (kg)	Operations Leak Rate	Service Leak Rate	Times Serviced
Apartments Mid Rise	Average room A/C & Other residential A/C and heat pumps	R-410A	2,088	< 0.005	2.50	2.50	10.0
Apartments Mid Rise	Household refrigerators and/or freezers	R-134a	1,430	0.12	0.60	0.00	1.00
High Turnover (Sit Down Restaurant)	Household refrigerators and/or freezers	R-134a	1,430	0.00	0.60	0.00	1.00
High Turnover (Sit Down Restaurant)	Other commercial A/C and heat pumps	R-410A	2,088	1.80	4.00	4.00	18.0
High Turnover (Sit Down Restaurant)	Walk-in refrigerators and freezers	R-404A	3,922	< 0.005	7.50	7.50	20.0
Recreational Swimming Pool	Other commercial A/C and heat pumps	R-410A	2,088	< 0.005	4.00	4.00	18.0
Recreational Swimming Pool	Stand-alone retail refrigerators and freezers	R-134a	1,430	0.04	1.00	0.00	1.00

5.15. Operational Off-Road Equipment

5.15.1. Unmitigated

Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor

5.15.2. Mitigated

Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor

5.16. Stationary Sources

5.16.1. Emergency Generators and Fire Pumps

Equipment Type	Fuel Type	Number per Day	Hours per Day	Hours per Year	Horsepower	Load Factor

Emergency Generator	Diesel	3.00	1.00	200	300	0.73

5.16.2. Process Boilers

Equipment Type	Fuel Type	Number	Boiler Rating (MMBtu/hr)	Daily Heat Input (MMBtu/day)	Annual Heat Input (MMBtu/yr)

5.17. User Defined

Equipment Type	Fuel Type

5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres

5.18.1.2. Mitigated

Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres

5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

Biomass Cover Type	Initial Acres	Final Acres

5.18.1.2. Mitigated

Biomass Cover Type	Initial Acres	Final Acres

5.18.2. Sequestration

5.18.2.1. Unmitigated

Tree Type	Number	Electricity Saved (kWh/year)	Natural Gas Saved (btu/year)

5.18.2.2. Mitigated

Tree Type	Number	Electricity Saved (kWh/year)	Natural Gas Saved (btu/year)

6. Climate Risk Detailed Report

6.1. Climate Risk Summary

Cal-Adapt midcentury 2040–2059 average projections for four hazards are reported below for your project location. These are under Representation Concentration Pathway (RCP) 8.5 which assumes GHG emissions will continue to rise strongly through 2050 and then plateau around 2100.

Climate Hazard	Result for Project Location	Unit
Temperature and Extreme Heat	9.52	annual days of extreme heat
Extreme Precipitation	6.15	annual days with precipitation above 20 mm
Sea Level Rise	—	meters of inundation depth
Wildfire	0.00	annual hectares burned

Temperature and Extreme Heat data are for grid cell in which your project are located. The projection is based on the 98th historical percentile of daily maximum/minimum temperatures from observed historical data (32 climate model ensemble from Cal-Adapt, 2040–2059 average under RCP 8.5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.
Extreme Precipitation data are for the grid cell in which your project are located. The threshold of 20 mm is equivalent to about ¾ an inch of rain, which would be light to moderate rainfall if received over a full day or heavy rain if received over a period of 2 to 4 hours. Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.
Sea Level Rise data are for the grid cell in which your project are located. The projections are from Radke et al. (2017), as reported in Cal-Adapt (Radke et al., 2017, CEC-500-2017-008), and consider inundation location and depth for the San Francisco Bay, the Sacramento-San Joaquin River Delta and California coast resulting different increments of sea level rise coupled with extreme storm events. Users may select from four scenarios to view the range in potential inundation depth for the grid cell. The four scenarios are: No rise, 0.5 meter, 1.0 meter, 1.41 meters
Wildfire data are for the grid cell in which your project are located. The projections are from UC Davis, as reported in Cal-Adapt (2040–2059 average under RCP 8.5), and consider historical data of climate, vegetation, population density, and large (> 400 ha) fire history. Users may select from four model simulations to view the range in potential wildfire probabilities for the grid cell. The four simulations make different assumptions about expected rainfall and temperature are: Warmer/drier (HadGEM2-ES), Cooler/wetter (CNRM-CM5), Average conditions (CanESM2), Range of different rainfall and temperature possibilities (MIROC5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.

6.2. Initial Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	N/A	N/A	N/A	N/A
Extreme Precipitation	N/A	N/A	N/A	N/A
Sea Level Rise	N/A	N/A	N/A	N/A
Wildfire	N/A	N/A	N/A	N/A
Flooding	N/A	N/A	N/A	N/A
Drought	N/A	N/A	N/A	N/A
Snowpack Reduction	N/A	N/A	N/A	N/A
Air Quality Degradation	N/A	N/A	N/A	N/A

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.
The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from prcjected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.
The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores do not include implementation of climate risk reduction measures.

6.3. Adjusted Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	N/A	N/A	N/A	N/A
Extreme Precipitation	N/A	N/A	N/A	N/A
Sea Level Rise	N/A	N/A	N/A	N/A
Wildfire	N/A	N/A	N/A	N/A
Flooding	N/A	N/A	N/A	N/A
Drought	N/A	N/A	N/A	N/A
Snowpack Reduction	N/A	N/A	N/A	N/A
Air Quality Degradation	N/A	N/A	N/A	N/A

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.
The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from prcjected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.

The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores include implementation of climate risk reduction measures.

6.4. Climate Risk Reduction Measures

7. Health and Equity Details

7.1. CalEnviroScreen 4.0 Scores

The maximum CalEnviroScreen score is 100. A high score (i.e., greater than 50) reflects a higher pollution burden compared to other census tracts in the state.

Indicator	Result for Project Census Tract
Exposure Indicators	—
AQ-Ozone	50.5
AQ-PM	89.2
AQ-DPM	95.5
Drinking Water	92.5
Lead Risk Housing	71.6
Pesticides	0.00
Toxic Releases	82.2
Traffic	85.9
Effect Indicators	—
CleanUp Sites	97.2
Groundwater	78.1
Haz Waste Facilities/Generators	98.8
Impaired Water Bodies	66.7
Solid Waste	96.0
Sensitive Population	—
Asthma	97.7
Cardio-vascular	65.1
Low Birth Weights	71.6
Socioeconomic Factor Indicators	—

Education	74.4
Housing	68.5
Linguistic	91.8
Poverty	75.4
Unemployment	79.7

7.2. Healthy Places Index Scores

The maximum Health Places Index score is 100. A high score (i.e., greater than 50) reflects healthier community conditions compared to other census tracts in the state.

Indicator	Result for Project Census Tract
Economic	—
Above Poverty	10.5350956
Employed	49.30065443
Median HI	4.273065572
Education	—
Bachelor's or higher	63.26190171
High school enrollment	100
Preschool enrollment	95.7141024
Transportation	—
Auto Access	1.180546644
Active commuting	97.42076222
Social	—
2-parent households	4.119081227
Voting	13.0373412
Neighborhood	—
Alcohol availability	9.5983575
Park access	81.35506224
Retail density	43.6160657
Supermarket access	82.8564096

Tree canopy	14.50019248
Housing	—
Homeownership	6.723983062
Housing habitability	0.166816374
Low-inc homeowner severe housing cost burden	1.475683306
Low-inc renter severe housing cost burden	66.38008469
Uncrowded housing	6.300526113
Health Outcomes	—
Insured adults	5.902733222
Arthritis	53.0
Asthma ER Admissions	1.4
High Blood Pressure	12.0
Cancer (excluding skin)	82.6
Asthma	21.6
Coronary Heart Disease	15.5
Chronic Obstructive Pulmonary Disease	14.4
Diagnosed Diabetes	11.3
Life Expectancy at Birth	5.1
Cognitively Disabled	13.7
Physically Disabled	6.4
Heart Attack ER Admissions	46.0
Mental Health Not Good	14.9
Chronic Kidney Disease	20.1
Obesity	9.6
Pedestrian Injuries	100.0
Physical Health Not Good	12.4
Stroke	13.0
Health Risk Behaviors	—

Binge Drinking	60.3
Current Smoker	7.4
No Leisure Time for Physical Activity	24.7
Climate Change Exposures	—
Wildfire Risk	0.0
SLR Inundation Area	0.0
Children	76.4
Elderly	97.3
English Speaking	7.7
Foreign-born	75.6
Outdoor Workers	46.0
Climate Change Adaptive Capacity	—
Impervious Surface Cover	0.0
Traffic Density	90.2
Traffic Access	87.4
Other Indices	—
Hardship	82.8
Other Decision Support	—
2016 Voting	5.0

7.3. Overall Health & Equity Scores

Metric	Result for Project Census Tract
CalEnviroScreen 4.0 Score for Project Location (a)	100
Healthy Places Index Score for Project Location (b)	14.0
Project Located in a Designated Disadvantaged Community (Senate Bill 535)	Yes
Project Located in a Low-Income Community (Assembly Bill 1550)	Yes
Project Located in a Community Air Protection Program Community (Assembly Bill 617)	No

a: The maximum CalEnviroScreen score is 100. A high score (i.e., greater than 50) reflects a higher pollution burden compared to other census tracts in the state.
b: The maximum Health Places Index score is 100. A high score (i.e., greater than 50) reflects healthier community conditions compared to other census tracts in the state.

7.4. Health & Equity Measures

No Health & Equity Measures selected.

7.5. Evaluation Scorecard

Health & Equity Evaluation Scorecard not completed.

7.6. Health & Equity Custom Measures

No Health & Equity Custom Measures created.

8. User Changes to Default Data

Screen	Justification
Characteristics: Utility Information	Carbon Intensity for 2032
Land Use	Project Specific
Operations: Hearths	No Hearth
Operations: Energy Use	Ordinance 187714

Noise Technical Report

Supplemental Noise Analysis – Applicant Submittal

THE ROW DTLA RESIDENTIAL PROJECT
LOS ANGELES, CA

Prepared for:
Eyestone Environmental

September 2025

Report Ref:
R2025101.2

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Table of Contents

1 Introduction 1
2 Project Location and Existing Uses 1
3 Project Description 3
4 Environmental Setting 4
4.1 Fundamentals of Sound and Environmental Noise 4
4.1.1 Outdoor Sound Propagation 4
4.1.2 Environmental Noise Descriptors 6
4.2 Regulatory Framework 6
4.2.1 City of Los Angeles General Plan Noise Element 6
4.2.2 City of Los Angeles Municipal Code (Related to Operational Activities) 7
4.3 Existing Conditions 9
5 Project Analysis 15
5.1 City Criteria (Operational Noise) 15
5.2 Methodology 16
5.2.1 On-Site Stationary Noise Sources (Operation) 16
5.2.2 Off-Site Roadway Noise (Operation) 16
5.3 Project Design Features 16
5.4 Analysis of Project Operational Noise Levels 16
5.4.1 Mechanical Equipment 17
5.4.2 Parking Facilities 17
5.4.3 Loading Docks and Trash Compactors 18
5.4.4 Off-Site Mobile Noise Sources 19
5.4.5 Composite Noise Levels from Project Operations 20
6 References 24

List of Figures

Figure 1. Project Development Area 2
Figure 2. Noise Measurement Locations 11

List of Tables

Table 1. Typical Noise Levels 5
Table 2. City of Los Angeles Noise Land Use Compatibility 7
Table 3. City of Los Angeles Presumed Ambient Noise Levels 8
Table 4. Existing Ambient Noise Levels 12
Table 5. Vehicle Mix for Traffic Noise Model 13
Table 6. Existing Roadway Traffic Noise Levels 14
Table 7. Mechanical Equipment Noise Levels 17
Table 8. Parking Facilities Noise Levels 18
Table 9. Loading Docks and Trash Compactors Noise Levels 19
Table 10. Roadway Traffic Noise Levels Future Plus Project 21
Table 11. Roadway Traffic Noise Levels Existing Plus Project 22
Table 12. Composite Noise Levels 23

Appendices

Appendix A Ambient Noise Measurements
Appendix B Operational Noise Calculations

1 INTRODUCTION

A noise study for the ROW DTLA Residential Project (Project) has been prepared in accordance with the noise mitigation measures set forth in the Citywide Housing Element 2021 2029 and Safety Element Updates Final Environmental Impact Report (EIR), SCH No. 2021010130, EIR No. ENV-2020-6762-EIR (Program EIR) and the requirements of the City's Housing Element Checklist for projects using the Program EIR for CEQA clearance. This separate Noise Technical Report (Noise Study) has been prepared to address noise levels associated with other aspects associated with operation of the Project that are not required to be evaluated by the City's Housing Element Checklist. The intent of this analysis is to provide additional specific evidence for the record, outside of the Housing Element Checklist, that operation of the Project would not exceed established City criteria.

2 PROJECT LOCATION AND EXISTING USES

The Project Site is approximately 31 acres in size. The Project Site occupies the northern half of the block bounded by E. 7th Street on the north, S. Central Avenue on the west, S. Alameda Street on the east, and E. Olympic Boulevard to the south, with the partially vacated former E. 8th and Bay streets providing internal access within the middle of the block. The Development Area is approximately 4.84 gross acres and is located within the western portion of the Project Site along Alameda Street at 747-787 S. Alameda Street, as shown in Figure 1 (on page 2).

The Project Site is located in an existing industrial district east of Downtown Los Angeles. The area surrounding the Project Site is primarily developed with warehouses, cold storage facilities, small-scale manufacturing operations, and other industrial uses, though in more recent years newer commercial office, commercial retail, and residential uses have been developed in the vicinity of the Project Site.

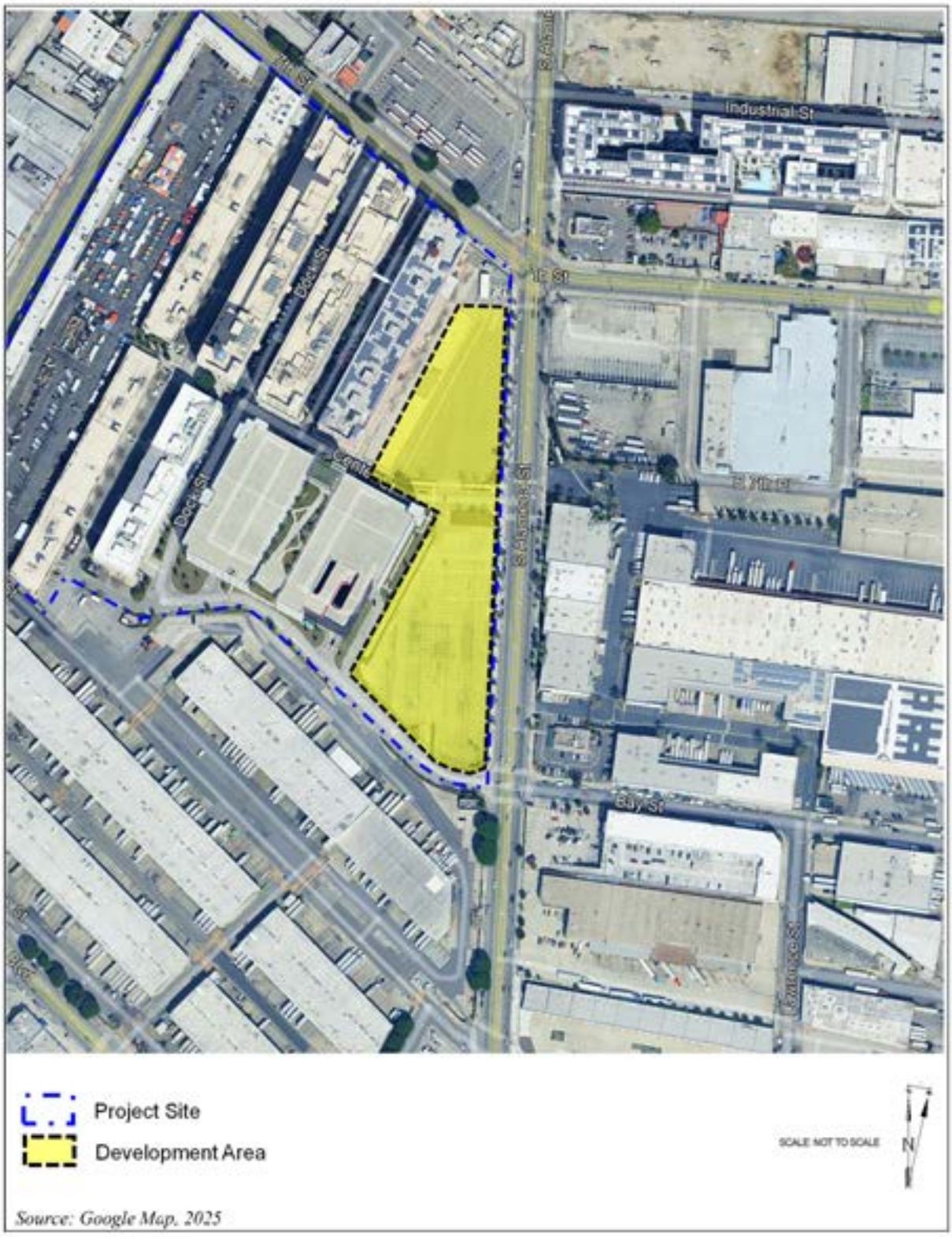

Figure 1. Project Development Area

3 PROJECT DESCRIPTION

The Project includes the development of three mixed-use buildings containing 1,000 residential units including 114 Low Income Housing units in three buildings and 6,547 square feet of commercial (retail/restaurant) uses within two buildings. Building A would include 1,119 square feet of commercial uses located on the first floor; 410 residential units at the first though eighth floors; and two levels of subterranean parking as well as above grade parking located on the first floor. Building B would include 214 residential units located on the first through eighth floors, and two levels of subterranean parking as well as above-grade parking located on the first floor. Building C would include 5,428 square feet of commercial uses on the first floor; 376 residential units at the first through eighth floors; and two levels of subterranean parking as well as above grade parking located on the first floor. The proposed buildings would range from approximately 100 feet to 103 feet in height. Upon completion, 884,278 square feet of new floor area would be provided. When accounting for the existing floor area to remain, there would be a total of approximately 2,477,695 square feet of floor area with a total FAR of 1.86:1 averaged across the Project Site. Buildings A and B will be completed in 2029 and occupied, while Building C would be under construction from 2030 to 2032. The Project would include up to 1,092 vehicular parking spaces. A total of 96,278 square feet of open space would also be provided. The existing uses within the remainder of the Project Site outside of the Development Area will remain and would not be modified by the Project.

4 ENVIRONMENTAL SETTING

4.1 Fundamentals of Sound and Environmental Noise

Noise is commonly defined as sound that is undesirable because it interferes with speech communication and hearing, causes sleep disturbance, or is otherwise annoying (unwanted sound). The decibel (dB) is a conventional unit for measuring the amplitude of sound because it accounts for the large variations in sound pressure amplitude and reflects the way people perceive changes in sound amplitude. The human hearing system is not equally sensitive to sound at all frequencies. Therefore, to approximate this human frequency-dependent response, the A-weighted filtering system is used to adjust measured sound levels (dBA). The term "A-weighted" refers to filtering the noise signal in a manner that corresponds to the way the human ear perceives sound. Examples of various sound levels in different environments are provided in Table 1 (on page 5).[1]

Generally, people judge the relative magnitude of sound sensation by subjective terms such as "loudness" or "noisiness." To a person with normal hearing, a change in sound level of 3 dB is considered "just perceptible," a change in sound level of 5 dB is considered "clearly noticeable," and a change (i.e., increase) of 10 dB is generally recognized as "twice as loud" as the original sound.[2]

4.1.1 Outdoor Sound Propagation

In an outdoor environment, sound levels attenuate (reduce) through the air as a function of distance. Such attenuation is commonly referred to as "distance loss" or "geometric spreading," and is based on the noise source configuration (e.g., point source, or line source). For a point source, such as a piece of mechanical/electrical/construction equipment (e.g., air conditioner, electrical transformer, or bulldozer), the rate of sound attenuation is about 6 dB per doubling of distance from the noise source. For example, an outdoor condenser fan that generates a sound level of 60 dBA at a distance of five feet would attenuate to 54 dBA at a distance of 10 feet. For a line source, such as a constant flow of traffic on a roadway, the rate of sound attenuation is about 3 dB per doubling of distance.[3]

In addition, structures (e.g., buildings and solid walls) and natural topography (e.g., hills) that obstruct the acoustics line-of-sight between a noise source and a receptor further reduce the noise level at the receptor if the receptor is located within the "shadow" of the obstruction, such as behind a sound wall. This type of sound attenuation is known as "barrier insertion loss." If a receptor is located behind the wall but still has a view of the source (i.e., line-of-sight is not

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1 *All sound levels measured in decibel (dB) in this study are relative to $2x10^{-5}$ N/m^2.*

2 *Caltrans, Technical Noise Supplement (TeNS), Table 2.10, 2013.*

3 *Caltrans, Technical Noise Supplement (TeNS), Chapter 2.1.4.1, 2013.*

fully blocked), some barrier insertion loss would still occur; however, to a lesser extent. Additionally, a receptor located on the same side of the wall as a noise source may actually experience an increase in the perceived noise level as the wall reflects noise back to the receptor, thereby compounding the noise. Outdoor noise barriers can provide noise level reductions ranging from approximately 5 dBA (where a barrier just breaks the acoustic line-of-sight between the noise source and receiver) to an upper range of 20 dBA with a more substantial barrier.[4]

Table 1. Typical Noise Levels

Common Outdoor Activities	Noise Levels, dBA	Common Indoor Activities
	110	Rock Band
Jet Fly-over at 1000 feet		
	100	
Gas Lawn Mower at 3 feet		
	90	
Diesel Truck at 50 feet at 50 mph		Food Blender at 3 feet
	80	Garbage Disposal at 3 feet
Noisy Urban Area, Daytime		
Gas Lawn Mower at 100 feet	**70**	Vacuum Cleaner at 10 feet
Commercial Area		Normal Speech at 3 feet
Heavy Traffic at 300 feet	**60**	
		Large Business Office
Quiet Urban Daytime	**50**	Dishwasher Next Room
Quiet Urban Nighttime	**40**	Theater, Large Conference Room
Quiet Suburban Nighttime		(Background)
	30	Library
Quiet Rural Nighttime		Bedroom at Night, Concert Hall
	20	(Background)
		Broadcast/Recording Studio
	10	
	0	

Source: Caltrans, Technical Noise Supplement (TeNS), Table 2-5, 2013

[4] *Caltrans, Technical Noise Supplement (TeNS), Chapter 2.1.4.4, 2013.*

4.1.2 Environmental Noise Descriptors

Several rating scales have been developed to analyze the adverse effect of environmental noise on people. Since environmental noise fluctuates over time, these scales consider the total acoustical energy content, as well as the time and duration of occurrence. The most frequently used noise descriptors, including those used by the City, are summarized below.

Equivalent Sound Level (L_{eq}). L_{eq} is a measurement of the acoustic energy content of noise averaged over a specified time period. Thus, the L_{eq} of a time-varying sound and that of a steady sound are the same if they deliver the same amount of energy to the receptor's ear during exposure. L_{eq} for one-hour periods, during the daytime or nighttime hours, and 24 hours are commonly used in environmental noise assessments. L_{eq} can be measured for any time period, but is typically measured for an increment of no less than 15 minutes for environmental studies.

Community Noise Equivalent Level (CNEL). CNEL is the time average of all A-weighted sound levels for a 24-hour day period with a 10 dBA adjustment (increase) added to the sound levels that occur in the nighttime hours (10:00 P.M. to 7:00 A.M.) and a 5 dBA adjustment (increase) added to the sound levels that occur in the evening hours (7:00 P.M. to 10:00 P.M.). These adjustments attempt to account for increased human sensitivity to noise during the quieter nighttime periods, when the ambient background noise is lower and where sleep is the most probable activity. CNEL has been adopted by the State of California as the rating scale to be used to define the community noise environment for development of the community noise element of a General Plan and is also used by the City of Los Angeles for its land use planning.[5]

4.2 Regulatory Framework

4.2.1 City of Los Angeles General Plan Noise Element

The overall purpose of the Noise Element of the General Plan is to guide policymakers in making land use determinations and adopting noise ordinances that would limit exposure of citizens to excessive noise levels. The following policies and objectives from the Noise Element of the General Plan are applicable to the Project:[6]

1. Objective 2 (Non-airport): Reduce or eliminate non-airport related intrusive noise, especially relative to noise-sensitive uses.
2. Policy 2.1: Enforce and/or implement applicable City, State, and federal regulations intended to mitigate proposed noise producing activities, reduce intrusive noise and alleviate noise that is deemed a public nuisance.

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[5] *State of California, General Plan Guidelines, 2017.*

[6] *City of Los Angeles, Noise Element of the Los Angeles City General Plan, adopted February 3, 1999.*

3. Objective 3 (Land Use Development): Reduce or eliminate noise impacts associated with proposed development of land and changes in land use.
4. Policy 3.1: Develop land use policies and programs that will reduce or eliminate potential and existing noise impacts.

Table 2 (below) provides the exterior noise standard associated with various land uses, as provided in the City's Noise Element. According to the City, an exterior noise environment up to 70 dBA CNEL is "conditionally acceptable" for noise sensitive uses (e.g., residential, hotel, school). In addition, noise levels up to 75 dBA CNEL are "normally unacceptable", while noise levels at 75 dBA CNEL and above are "clearly unacceptable" for residential.

Table 2. City of Los Angeles Noise Land Use Compatibility

Land Use	Day-Night Average Exterior Sound Level (CNEL dBA)						
	50	55	60	65	70	75	80
Residential Single Family, Duplex, Mobile Home	A	C	C	C	N	U	U
Residential Multi-Family	A	A	C	C	N	U	U
Transient Lodging, Motel, Hotel	A	A	C	C	N	U	U
School, Library, Church, Hospital, Nursing Home	A	A	C	C	N	N	U
Auditorium, Concert Hall, Amphitheater	C	C	C	C/N	U	U	U
Sports Arena, Outdoor Spectator Sports	C	C	C	C	C/U	U	U
Playground, Neighborhood Park	A	A	A	A/N	N	N/U	U
Golf Course, Riding Stable, Water Recreation, Cemetery	A	A	A	A	N	A/N	U
Office Building, Business, Commercial, Professional	A	A	A	A/C	C	C/N	N
Agriculture, Industrial, Manufacturing, Utilities	A	A	A	A	A/C	C/N	N

[1] *A - Normally Acceptable: Specified land use is satisfactory, based upon the assumption that any buildings involved are of normal conventional construction without any special noise insulation requirements.*
[2] *C - Conditionally Acceptable: New construction or development should be undertaken only after a detailed analysis of the noise reduction requirements is made and needed noise insulation features included in the design. Conventional construction, but with closed windows and fresh air supply systems or air conditioning will normally suffice.*
[3] *N - Normally Unacceptable: New construction or development should generally be discouraged. If new construction or development does proceed, a detailed analysis of the noise reduction requirements must be made and needed noise insulation features included in the design.*
[4] *U - Clearly Unacceptable: New construction or development should generally not be undertaken.*
Source: City of Los Angeles, General Plan Noise Element, adopted February 1999.

4.2.2 City of Los Angeles Municipal Code (Related to Operational Activities)

Chapter XI, Noise Regulation, of the LAMC (referred to herein as the Noise Regulations) establishes acceptable ambient sound levels and is intended to regulate intrusive noises (e.g.,

stationary mechanical equipment and vehicles other than those traveling on public streets) within specific land use zones and to provide procedures and criteria for the measurement of the sound level of noise sources. These procedures recognize and account for differences in the perceived level of different types of noise and/or noise sources. In accordance with the Noise Regulations, a noise level increase from certain regulated noise sources of 5 dBA over the existing or presumed ambient noise level at an adjacent property line is considered a violation of the Noise Regulations. The 5-dBA increase above ambient is applicable to City-regulated noise sources (e.g., mechanical equipment), and is applicable any time of the day.[7]

The Noise Regulations state that the baseline ambient noise environment shall be the actual measured ambient noise level or the City's presumed ambient noise level, whichever is greater. The actual ambient noise level is the measured noise level averaged over a period of at least 15 minutes, L_{eq} (15-minute). The Noise Regulations state that in cases where the actual measured ambient conditions are not known, the City's presumed daytime (7:00 A.M. to 10:00 P.M.) and nighttime (10:00 P.M. to 7:00 A.M.) ambient noise levels defined in Section 111.03 of the LAMC should be used. The City's presumed ambient noise levels for specific land use zones, as set forth in LAMC Section 111.03, are provided in Table 3 (below).

Table 3. City of Los Angeles Presumed Ambient Noise Levels

Zone	Daytime (7:00 A.M. to 10:00 P.M.) dBA (L_{eq})	Nighttime (10:00 P.M. to 7:00 A.M.) dBA (L_{eq})
Residential, School, Hospitals, Hotels	50	40
Commercial	60	55
Manufacturing (M1, MR1, and MR2)	60	55
Heavy Manufacturing (M2 and M3)	65	65

Source: LAMC Section 111.03.

The Noise Regulations also address off-road vehicle-related noise, including in Section 114.02, which prohibits the operation of any motor-driven vehicles upon any property within the City in a manner that would cause the noise level on the premises of any occupied residential property to exceed the ambient noise level by more than 5 dBA, and in Section 114.06, which requires that vehicle theft alarm systems be silenced within five minutes.

LAMC Section 112.01 limits noise from amplified voice and music and prohibits the operation of such devices (e.g., radio, musical instrument, phonograph, television receiver, or other machine) or other sounds in such a manner as to disturb the peace, quiet, and comfort of neighbors. Specifically, noise from such uses or operation that is audible at a distance in excess

[7] *Los Angeles Municipal Code, Chapter XI, Section 112.02.*

of 150 feet from the property line of the noise source within a residential zone of the City or within 500 feet thereof is prohibited.

LAMC Section 112.02 limits increases in noise levels from air conditioning, refrigeration, heating, pumping and filtering equipment. Such equipment may not be operated in such a manner as to create any noise which would cause the noise level on the premises of any other occupied property, or, if a condominium, apartment house, duplex, or attached business, within any adjoining unit, to exceed the ambient noise level by more than 5 dB.

LAMC Section 113.01 prohibits collecting or disposing of rubbish or garbage, operating any refuse disposal truck, or collecting, loading, picking up, transferring, unloading, dumping, discarding, or disposing of any rubbish or garbage, as such terms are defined in LAMC Section 66.00, within 200 feet of any residential building between the hours of 9:00 P.M. and 6:00 A.M. of the following day, unless a permit has been duly obtained beforehand from the Board of Police Commissioners.

LAMC Section 91.1206.14.2 prohibits interior noise levels attributable to exterior sources from exceeding 45 dBA in any habitable room. The noise metric shall be either the day-night average sound level (Ldn) or the CNEL, consistent with the noise element of the local general plan.

4.3 Existing Conditions

The predominant source of noise in the vicinity of the Project Site is vehicular traffic on adjacent roadways, particularly along Alameda Street and 7th Street, which have high volumes of traffic. Other ambient noise sources in the vicinity of the Project Site include industrial activities (e.g., truck loadings); commercial activities; surface parking lot activities; and other miscellaneous noise sources associated with typical urban activities such as human voices, overhead aircraft, and emergency vehicle sirens.

4.3.1.1 Noise-Sensitive Receptors

Some land uses are considered more sensitive to intrusive noise than others based on the types of activities typically engaged in at those land uses. The Noise Element defines noise-sensitive land uses as single-family and multi-unit dwellings, long-term care facilities (including convalescent and retirement facilities), dormitories, motels, hotels, transient lodging, and other residential uses; houses of worship; hospitals; libraries; schools; auditoriums; concert halls; outdoor theaters; nature and wildlife preserves; and parks.

Based on a review of the land uses in the vicinity of the Project Site, four (4) noise receptor locations were selected to represent existing noise-sensitive uses within 500 feet of the Project Development Area (receptor locations R1 through R4). These locations represent land uses that could qualify as noise-sensitive uses according to the definition above. As discussed below, noise measurements were conducted at the four off-site locations to establish baseline

noise conditions in the vicinity of the Project Development Area. In addition, the measurement locations provide an adequate basis to evaluate potential noise levels at other sensitive receptors located beyond the measurement location in the same direction from the Project Site. The locations of the four off-site noise-sensitive receptor locations are shown on Figure 2 (on page 11) and described in Table 4 (on page 12).

4.3.1.2 Ambient Noise Levels

Ambient noise measurements were taken at the four selected off-site locations on January 13, 2025. The baseline noise monitoring program was conducted on January 13, 2025, using a Larson-Davis Model 870 and a Quest Technologies Model 2900 Integrating/Logging Sound Level Meters.[8] A 24-hour measurement was conducted at receptor location R1.[9] Two 15-minute measurements were conducted at each of the remaining receptor locations during daytime and nighttime hours. The daytime ambient noise levels were measured between 10:00 A.M. and 12:00 P.M., and the nighttime ambient noise levels were measured between 10:00 P.M. and 12:00 A.M. The ambient noise measurements procedure followed the City's standards, which require ambient noise to be measured over a period of at least 15 minutes.[10]

The results of the ambient sound measurements are summarized in Table 4 (on page 12). Based on field observations, the current ambient noise at the measurement locations is dominated by local traffic and, to a lesser extent, helicopter flyovers and other typical urban noises. As indicated in Table 4, the existing daytime ambient noise levels at the off-site noise receptor locations ranged from 67.9 dBA (L_{eq}) at receptor location R2 to 73.4 dBA (L_{eq}) at receptor locations R1 and R3. The measured nighttime ambient noise levels ranged from 62.9 dBA (L_{eq}) at receptor location R2 to 72.0 dBA (L_{eq}) at receptor location R1. Thus, the existing ambient noise levels at all off-site locations are above the City's presumed daytime and nighttime ambient noise levels of 50 dBA (L_{eq}) and 40 dBA (L_{eq}), respectively, for residential, school and hotel uses. Consistent with the LAMC (Sections 111.01 and 111.03), the measured existing ambient noise levels are used as the baseline conditions for the purposes of evaluating the Project's noise levels.

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[8] *These sound meters meet the minimum industry standard performance requirements for "Type 1" (Larson-Davis Model 870) and "Type 2" (Quest Technologies Model 2900) standard instruments as defined in the American National Standard Institute (ANSI) S1.4. It also meets the requirement specified in Section 111.01(i) of the LAMC that instruments be "Type S2A" standard instruments or better. The sound meter was calibrated prior to the measurements and operated according to the manufacturer's written specifications.*

[9] *A 24-hour measurement is typically conducted at one receptor location to obtain the pattern and validate the noise measurements at other receptor locations.*

[10] *LAMC Section 111.01.*

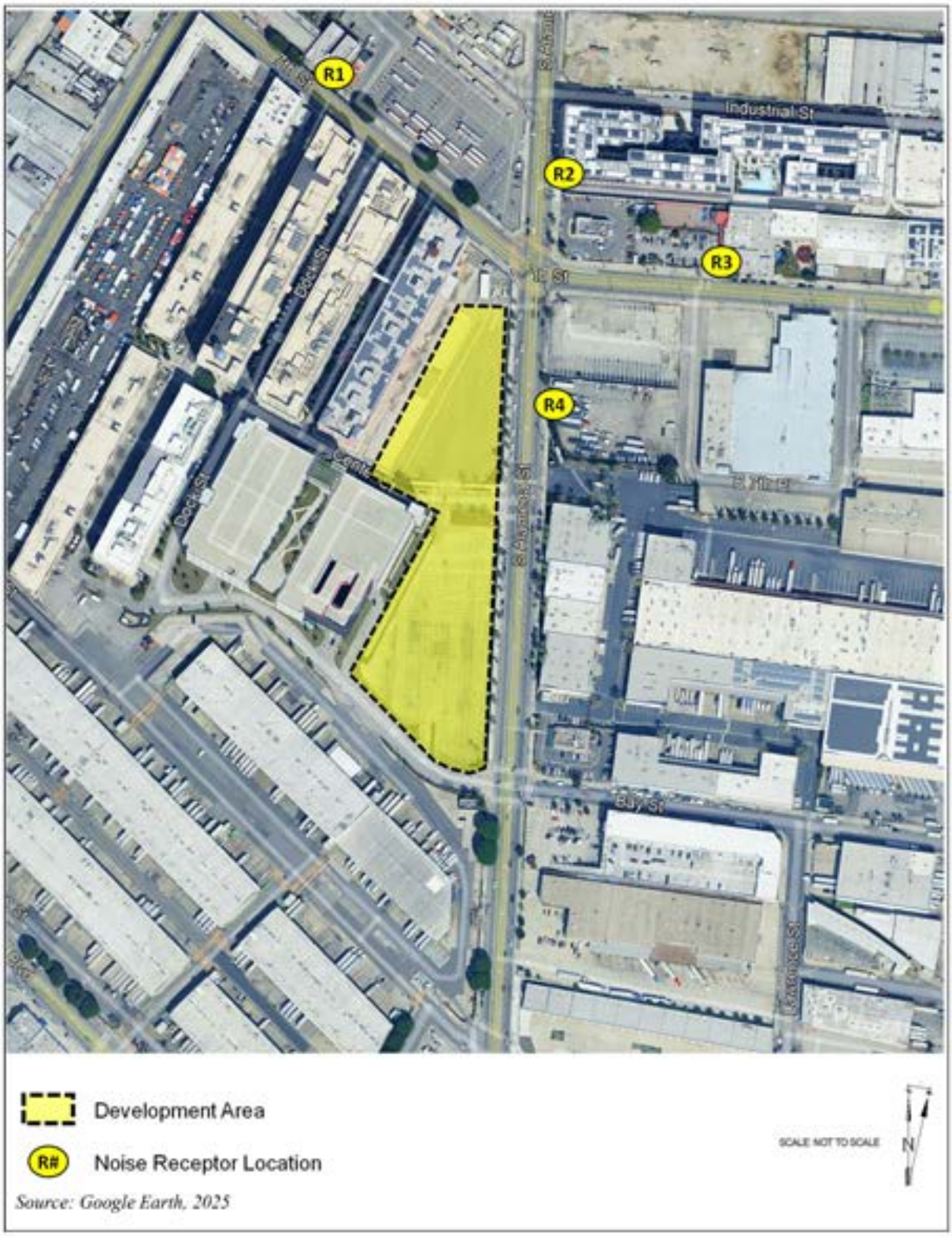

Figure 2. Noise Measurement Locations

Table 4. Existing Ambient Noise Levels

Receptor Location	Approximate Distance to Project Site,[a] Feet	Measured Ambient Noise Levels, dBA L_{eq}	
		Daytime Hours (7 A.M. to 10 P.M.)	Nighttime Hours (10 P.M. to 7 A.M.)
R1 – Hotel use located on the north side of 7th Street, northwest of the Project Site	580	73.4[b]	72.0[b]
R2 – Multi-family residential use located on the east side of Alameda Street, northeast of the Project Site	320	67.9	62.9
R3 – School use located on the north side of 7th Street, northeast of the Project Site	485	73.4	64.2
R4 – Proposed studio use located on the east side of Alameda Street, east of the Project Site	105	70.4	64.5

[a] *Distances are estimated based on Google Earth map and are referenced to the Project nearest boundary.*
[b] *Levels shown for R1 represent the average for the entire daytime and nighttime periods.*
Source: AES, 2025; Detail measurements data are provided in Appendix A.

In addition to the ambient noise measurements in the vicinity of the Project Site, including the Development Area, the existing traffic noise on local roadways in the surrounding area was calculated to quantify the 24-hour CNEL noise levels using information provided by the Project Transportation Assessment.[11] Nine (9) roadway segments were selected for the existing off-site traffic noise analysis included in this section based on proximity to noise-sensitive uses along the roadway segments and potential increases in traffic volumes from the Project operation. Traffic noise levels were calculated using the Federal Highway Administration (FHWA) Traffic Noise Model (TNM) and traffic volume data from the Transportation Assessment prepared for the Project. The TNM calculates the hourly Leq noise levels based on specific information including the hourly traffic volume, vehicle type mix, vehicle speed, and lateral distance between the noise receptor and the roadway. To calculate the 24-hour CNEL levels, the hourly L_{eq} levels were calculated during daytime hours (7:00 A.M. to 7:00 P.M.), evening hours (7:00 P.M. to 10:00 P.M.), and nighttime hours (10:00 P.M. to 7:00 A.M.). TNM calculates the 24-hour CNEL noise levels based on specific information, including Average Daily Traffic (ADT); percentages of day, evening, and nighttime traffic volumes relative to ADT; vehicle speed; and distance between the noise receptor and the roadway. Vehicle mix/distribution information used in the noise calculations is shown in Table 5 (on page 13).

[11] *Gibson Transportation Consulting, Inc., Transportation Assessment for the Alameda Square Project, Los Angeles, California, December 2024.*

Table 5. Vehicle Mix for Traffic Noise Model

Vehicle Type	Percentage of Average Daily Traffic (ADT)			Total Percent of ADT per Vehicle Type
	Daytime Hours (7 A.M.-7 P.M.)	Evening Hours (7 P.M.-10 P.M.)	Nighttime Hours (10 P.M.-7 A.M.)	
Automobile	77.6	9.7	9.7	97.0
Medium Truck	1.6	0.2	0.2	2.0
Heavy Truck	0.8	0.1	0.1	1.0
Total	80.0	10.0	10.0	100.0

[a] *Medium Truck—Trucks with 2 axles.*
[b] *Heavy Truck—Trucks with 3 or more axles.*
Source: AES, 2025

Table 6 (on page 14) provides the calculated CNEL for the analyzed local roadway segments based on existing traffic volumes. As shown therein, the existing CNEL due to surface street traffic volumes ranges from 70.4 dBA CNEL along Central Street (between 6th Street to 7th Street) to 72.5 dBA CNEL along Olympic Boulevard (between Alameda Street and Lemon Street). Currently, the existing traffic-related noise levels along the analyzed roadway segments are between 70 dBA CNEL and 75 dBA CNEL, which are considered normally unacceptable for residential, hotel and school uses.

Table 6. Existing Roadway Traffic Noise Levels

Roadway Segment	Adjacent Land Use	Approximate Distance to Roadway Center Line (feet)	Calculated Traffic Noise Levels, CNEL (dBA)a	Noise-Sensitive Land Uses	Existing Noise Exposure Compatibility Category[b]
Central Street					
Between 6th St. and 7th St.	Motel	40	70.4	Yes	Normally Unacceptable
Between 7th St. and 8th St.	Industrial	40	71.0	No	Conditionally Acceptable
Alameda Street					
Between 6th St. and 7th St.	Residential	40	71.8	Yes	Normally Unacceptable
Between 7th St. and Bay St.	Studio (proposed)	40	71.4	No	Conditionally Acceptable[c]
Between Bay St. and Olympic Blvd.	Studio (proposed)	40	71.0	No	Conditionally Acceptable[c]
7th Street					
Between Central St. and Alameda St.	Motel	35	70.9	Yes	Normally Unacceptable
Between Alameda St. and Mateo St..	School	35	70.6	Yes	Normally Unacceptable
Olympic Boulevard					
Between Central St. and Alameda St.	Industrial	35	72.3	No	Conditionally Acceptable
Between Alameda St. and Lemon St..	Studio (proposed)	35	72.5	No	Conditionally Acceptable

[a] *Detailed calculation worksheets are included in Appendix B.*
[b] *Noise compatibility is based on the most stringent land use, per City's land use compatibility as provided in Table 2 (on page 7).*
[c] *Studio uses are not identified as noise sensitive uses by the L.A. CEQA Thresholds Guide. Therefore, existing noise exposure compatibility category is based on the existing industrial land use.*

Source: AES, 2025

5 PROJECT ANALYSIS

As noted above, this Noise Study is a supplemental analysis and is not required by the City's Housing Element Checklist. Refer to the Noise Study prepared for the Housing Element Checklist for an evaluation of construction noise and vibration and noise associated with use of outdoor areas.

5.1 City Criteria (Operational Noise)

The L.A. CEQA Thresholds Guide identifies the factors below to evaluate operational noise. A project would normally exceed City noise criteria from operation if:

- The Project causes the ambient noise levels measured at the property line of affected noise-sensitive uses to increase by 3 dBA in CNEL to or within the "normally unacceptable" or "clearly unacceptable" category (see Table 2 on page 7 for a description of these categories); or
- The Project causes the ambient noise levels measured at the property line of affected noise-sensitive uses to increase by 5 dBA in CNEL or greater and remain within the "normally acceptable" or "conditionally acceptable" category: or
- Project-related on-site operational (i.e., non-roadway) noise sources, such as outdoor building mechanical/electrical equipment, outdoor activities, loading docks, or parking facilities, increase the ambient noise level (hourly L_{eq}) at noise-sensitive uses by 5 dBA and more.
- Project-related operational on site (i.e., non-roadway) noise sources, such as outdoor building mechanical equipment, outdoor activities, or parking facilities, increase the ambient noise level (hourly L_{eq}) at noise-sensitive uses by 5 dBA.

The criterion used in this analysis for on-site operations presented above is an increase in the ambient noise level of 5 dBA (hourly L_{eq}) at the noise-sensitive uses, in accordance with the LAMC. The LAMC does not apply to off-site traffic (i.e., vehicles traveling on public roadways). Therefore, based on the *L.A. CEQA Thresholds Guide*, the criterion for off-site traffic noise associated with Project operations is an increase in the ambient noise level by 3 dBA or 5 dBA in CNEL (depending on the land use category) at noise-sensitive uses. In addition, the criterion for composite noise levels (on-site and off-site sources) is also based on the *L.A. CEQA Thresholds Guide*, which is an increase in the ambient noise level of 3 dBA or 5 dBA in CNEL (depending on the land use category) for the Project's composite noise (both Project-related on-site and off-site sources) at noise-sensitive uses.

5.2 Methodology

5.2.1 On-Site Stationary Noise Sources (Operation)

The Project's potential on-site stationary point-source noise levels were evaluated by (1) identifying the noise levels that would be generated by the Project's stationary noise sources, such as rooftop mechanical equipment, and parking facilities, and trash compactors; (2) calculating the noise level from each noise source at the identified surrounding representative sensitive-receptor property line locations; and (3) comparing such noise levels to the measured ambient noise levels to determine if City criteria are exceeded. The on-site stationary sources noise levels were calculated using the SoundPLAN (version 8.2) computer noise prediction model.[12] SoundPLAN is widely used by acoustical engineers as a noise modeling tool for environmental noise analysis.

5.2.2 Off-Site Roadway Noise (Operation)

Off-site roadway noise was analyzed using the SoundPLAN computer noise prediction model (based on FHWA's TNM emission levels) and traffic data from the Project's Transportation Assessment. Roadway noise levels were calculated at the sensitive receptor locations based on the estimated Project-generated traffic volumes. Roadway noise levels with the Project-related traffic were compared to conditions without the Project to determine Project-related noise levels for operational off-site roadway noise. In addition, cumulative off-site roadway noise levels were estimated based on the incremental change in the daily vehicle miles traveled (VMT), per the Program EIR.

5.3 Project Design Features

As part of the Project, outdoor mounted mechanical equipment will be enclosed or screened by the building design (e.g., a roof parapet) from view of the surrounding off-site noise-sensitive receptors at the street level. In addition, as shown on the plans for the Project, all loading docks will be located inside an enclosed space within the parking garage, which would be acoustically shielded from offsite noise-sensitive receptors.

5.4 Analysis of Project Operational Noise Levels

This section provides a discussion of potential operational noise levels at off-site noise-sensitive receptors. Specific operational noise sources addressed herein are (a) on-site stationary noise sources, including outdoor-mounted mechanical equipment (e.g., heating, ventilation, and air conditioning [HVAC] equipment), activities associated with the proposed

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[12] *SoundPLAN GmbH, SoundPLAN version 8.2, 2020.*

outdoor spaces (located at Level 2 and Level 8), parking facilities, and loading docks; and (b) off-site mobile (roadway traffic) noise sources.

5.4.1 Mechanical Equipment

As part of the Project, new building mechanical equipment (e.g., air ventilation equipment) would be located at the building roof level and/or within each of the building structures. Although operation of this equipment would generate noise, Project-related outdoor mechanical equipment would be designed so as not to increase the existing ambient noise levels by 5 dBA in accordance with the City's Noise Regulations. Specifically, the Project would comply with LAMC Section 112.02, which prohibits noise from air conditioning, refrigeration, heating, pumping, and filtering equipment from exceeding the ambient noise levels on the premises of other occupied properties by more than 5 dBA. In addition, as discussed above, all outdoor mounted mechanical equipment would be enclosed or screened from off-site noise-sensitive receptors.

Table 7 (below) presents the estimated on-site mechanical equipment noise levels at the off-site receptor locations. As shown in Table 7, the estimated noise levels from the mechanical equipment would range from 40.4 dBA (L_{eq}) at receptor location R1 to 48.7 dBA (L_{eq}) at receptor location R4. The estimated noise levels would be well below the existing ambient noise levels. Further, the estimated ambient noise levels at all off-site receptor locations with the addition of the Project's mechanical equipment would be below the criterion of 5 dBA (L_{eq}) above ambient noise levels (based on the lowest measured ambient noise levels).

Table 7. Mechanical Equipment Noise Levels

Receptor Location	Existing Ambient Noise Levels, dBA (L_{eq})	Estimated Noise from Project Mechanical Equipment, dBA (L_{eq})	Ambient + Project Noise Levels, dBA (L_{eq})	Criteria[a] dBA (L_{eq})	Exceed over Criteria
R1	72.0	40.4	72.0	77.0	0.0
R2	62.9	47.5	63.0	67.9	0.0
R3	64.2	47.2	64.3	69.2	0.0
R4	64.5	48.7	64.6	69.5	0.0

Notes:
[a] *Criteria are equivalent to the measured daytime or nighttime ambient noise levels, whichever is lower plus 5 dBA, per the City of Los Angeles Noise Regulations.*
Source: AES, 2023, See Appendix B.

5.4.2 Parking Facilities

The Project would provide up to 1,092 vehicular parking spaces. Sources of noise within the parking garage would primarily include vehicular movements and engine noise, doors opening

and closing. Noise levels within the parking facilities would fluctuate with the amount of automobile and human activity. Table 8 (below) presents the estimated noise levels from parking garage at the offsite receptor locations. As indicated in Table 8, the estimated noise levels from the parking facilities would range from 14.2 dBA (L_{eq}) at receptor location R1 to 29.5 dBA (L_{eq}) at receptor location R2. The estimated noise levels would be well below the existing ambient noise levels. In addition, the estimated ambient noise levels with the addition of the noise levels generated by the Project parking facilities would be below the criteria of 5 dBA (L_{eq}) above the ambient noise levels (based on the lowest measured ambient).

Table 8. Parking Facilities Noise Levels

Receptor Location	Existing Ambient Noise Levels, dBA (L_{eq})	Estimated Noise from Project Parking, dBA (L_{eq})	Ambient + Project Noise Levels, dBA (L_{eq})	Criteria* dBA (L_{eq})	Exceed over Criteria
R1	72.0	14.2	72.0	77.0	0.0
R2	62.9	29.5	62.9	67.9	0.0
R3	64.2	24.5	64.2	69.2	0.0
R4	64.5	19.8	64.5	69.5	0.0

Notes:
* *Criteria are equivalent to the measured daytime or nighttime ambient noise levels, whichever is lower plus 5 dBA, per the City of Los Angeles Noise Regulations.*
Source: AES, 2025, See Appendix B.

5.4.3 Loading Docks and Trash Compactors

As discussed above, loading docks and trash compactors would be located at the ground level of the building and mostly be shielded to the off-site sensitive receptors. Noise sources associated with the loading docks/areas and trash collection areas would include delivery/trash collection trucks and operation of the trash compactors. Based on measured noise levels from typical loading dock facilities and trash compactors, delivery/trash collection trucks and trash compactors could generate noise levels of approximately 70 dBA (L_{eq}) and 66 dBA (L_{eq}), respectively, at a distance of 50 feet.[13] Table 8 (above) presents the estimated noise levels at the off-site sensitive receptors resulting from the loading activities. As indicated in Table 8, the estimated noise levels from the loading docks would range from 29.7 dBA (L_{eq}) at receptor location R1 to 52.8 dBA (L_{eq}) at receptor location R2. The estimated ambient noise levels with the addition of the noise levels generated by the Project's loading activities and trash compactors would be below the criterion of 5 dBA (L_{eq}) above ambient noise levels (based on

[13] *RK Engineering Group, Inc., Wal-Mart/Sam's Club Reference Noise Level Study, 2003.*

the lowest measured ambient) at all off-site receptor locations. Therefore, noise levels from loading dock and trash compactor operations would not exceed City criteria.

Table 9. Loading Docks and Trash Compactors Noise Levels

Receptor Location	Existing Ambient Noise Levels, dBA (L_{eq})	Estimated Noise from Project Loading Docks and Trash Compactors, dBA (L_{eq})	Ambient + Project Noise Levels, dBA (L_{eq})	Criteria[a] dBA (L_{eq})	Exceed over Criteria
R1	72.0	29.7	72.0	77.0	0.0
R2	62.9	52.8	63.3	67.9	0.0
R3	64.2	46.0	64.3	69.2	0.0
R4	64.5	39.5	64.5	69.5	0.0

Notes:
[a] Criteria are equivalent to the measured daytime or nighttime ambient noise levels, whichever is lower plus 5 dBA, per the City of Los Angeles Noise Regulations.
Source: AES, 2025, See Appendix B.

5.4.4 Off-Site Mobile Noise Sources

5.4.4.1 Future Plus Project

Future roadway noise levels were calculated along nine roadway segments in the vicinity of the Project Site. The roadway noise levels were calculated using the traffic data provided in the Traffic Assessment prepared for the Project. The Project is expected to generate a net increase of 4,676 daily vehicle trips. As such, Project-related traffic would increase the existing traffic volumes along the roadway segments in the study area assessed in the Traffic Assessment when compared with Future Without Project conditions.

Table 10 (on page 21) presents the estimated noise levels associated with the off-site traffic. As shown on Table 10, the estimated noise levels from off-site traffic range from 43.0 dBA (L_{eq}) at receptor R4 to 48.8 dBA (L_{eq}) at receptor location R2, which would be below the existing ambient noise levels. In addition, the Project noise levels from the off-site traffic, when added to the ambient noise level at each sensitive receptor location would also be below the criteria.

5.4.4.2 Existing Plus Project

The analysis of traffic noise levels provided above was based on the incremental increase in traffic noise levels attributable to the Project as compared to Future Without Project conditions. An additional analysis was carried out to determine the potential noise increases based on the increase in noise levels due to Project-related traffic compared with the existing baseline traffic noise conditions.

As shown in Table 11 (on page 22), when compared with existing conditions, the Project would result in a maximum increase of up to 0.5 dBA (CNEL) in traffic noise along the roadway segment of Alameda Street (between 7th Street and Olympic Boulevard). At other roadway segments analyzed, the increase in traffic-related noise levels would be 0.3 dBA or lower. The increase in traffic noise levels along the analyzed roadway segments would be considered negligible and below the 3-dBA CNEL criterion, as the estimated noise levels with the Project fall within the normally unacceptable land use category (i.e., between 70 and 75 dBA CNEL).

5.4.5 Composite Noise Levels from Project Operations

An evaluation of potential composite noise level increases (i.e., noise levels from all on-site noise sources combined) at the analyzed sensitive receptor locations was also performed. This evaluation of composite noise levels from all on-site Project-related noise sources, evaluated using the CNEL noise metric, was conducted to determine the contributions at the off-site noise-sensitive receptor locations

Table 12 (on page 23) presents the estimated composite noise levels in terms of CNEL at the four off-site sensitive receptor locations from the Project-related noise sources. As indicated in Table 12, the Project would result in an increase in composite noise levels ranging from 0.2 dBA at the uses represented by receptor location R3 to 1.1 dBA at the uses represented by receptor location R2. There is no noise increase anticipated at receptor location R1. The composite noise level from Project operation at all off-site receptor locations would be below the 3-dBA criterion as the Ambient Plus Project Composite noise level falls within the normally unacceptable (70 to 75 CNEL) range for residential, hotel and school land use categories.

Table 10. Roadway Traffic Noise Levels – Future Plus Project

Roadway Segment	Adjacent Land Use	Calculated Traffic Noise Levels[a] (CNEL (dBA))		Increase in Noise Levels due to Project (CNEL (dBA))
		Future Without Project	Future Plus Project	
Central Street				
Between 6th St. and 7th St.	Motel	70.8	70.8	0.0
Between 7th St. and 8th St.	Industrial	71.3	71.3	0.0
Alameda Street				
Between 6th St. and 7th St.	Residential	75.1	75.2	0.1
Between 7th St. and Bay St.	Studio (proposed)	74.6	74.9	0.3
Between Bay St. and Olympic Blvd.	Studio (proposed)	74.5	74.7	0.2
7th Street				
Between Central St. and Alameda St.	Motel	72.6	72.8	0.2
Between Alameda St. and Mateo St..	School	74.9	74.9	0.0
Olympic Boulevard				
Between Central St. and Alameda St.	Industrial	73.4	73.5	0.1
Between Alameda St. and Lemon St..	Studio (proposed)	73.5	73.6	0.1

[a] *Detailed calculation worksheets are included in Appendix B.*

Source: AES, 2025

Table 11. Roadway Traffic Noise Levels – Existing Plus Project

Roadway Segment	Adjacent Land Use	Calculated Traffic Noise Levels[a] (CNEL (dBA))		Increase in Noise Levels due to Project (CNEL (dBA))
		Existing Without Project	Existing Plus Project	
Central Street				
Between 6th St. and 7th St.	Motel	70.4	70.4	0.0
Between 7th St. and 8th St.	Industrial	71.0	71.0	0.0
Alameda Street				
Between 6th St. and 7th St.	Residential	71.8	72.0	0.2
Between 7th St. and Bay St.	Studio (proposed)	71.4	71.9	0.5
Between Bay St. and Olympic Blvd.	Studio (proposed)	71.0	71.5	0.5
7th Street				
Between Central St. and Alameda St.	Motel	70.9	71.2	0.3
Between Alameda St. and Mateo St..	School	70.6	70.7	0.1
Olympic Boulevard				
Between Central St. and Alameda St.	Industrial	72.3	72.3	0.0
Between Alameda St. and Lemon St..	Studio (proposed)	72.5	72.6	0.1

[a] *Detailed calculation worksheets are included in Appendix B.*

Source: AES, 2025

Table 12. Composite Noise Levels

Receptor Location	Existing Ambient Noise Levels (CNEL (dBA))	Calculated Project-Related Noise Sources (CNEL (dBA))					Project Composite Noise Levels (CNEL (dBA))	Ambient Plus Project Composite Noise Levels (CNEL (dBA))	Increase in Noise Levels due to Project (CNEL (dBA))	Criteria[a] (CNEL (dBA))
		Traffic	Mechan-ical	Outdoor Spaces	Parking	Loading				
R1	78.8	54.3	47.1	38.6	20.9	26.9	55.2	78.8	0.0	81.8
R2	69.1	58.8	54.2	60.7	36.2	50.0	63.6	70.2	1.1	72.1
R3	72.7	55.3	53.9	54.6	31.2	43.2	59.5	72.9	0.2	75.7
R4	71.1	63.1	55.4	56.2	26.5	36.7	64.5	72.0	0.9	74.1

[a] *The criteria are equivalent to the existing ambient noise levels plus 3 dBA if the estimated noise levels (ambient plus Project) fall within the "normally unacceptable" or "clearly unacceptable" land use categories or ambient noise levels plus 5 dBA if the estimated noise levels fall within the "normally acceptable" or "conditionally acceptable" land use categories, per the City of Los Angeles Noise Element and the L.A. CEQA Thresholds Guide.*

Source: AES, 2025. See Appendix B.

6 REFERENCES

California Department of Transportation (Caltrans), *Technical Noise Supplement (TeNS)*, September 2013.

California Governor's Office of Planning and Research, *State of California General Plan Guidelines*, 2017.

City of Los Angeles, *Municipal Code, Chapter XI Noise Regulation*.

City of Los Angeles, *Noise Element of the Los Angeles City General Plan*, Adopted February 2, 1999.

Cyril M. Harris, *Handbook of Acoustical Measurements and Noise Control*, Third Edition, 1991.

Federal Highway Administration (FHWA), *FHWA Roadway Construction Noise Model User's Guide*, January 2006.

Gibson Transportation Consulting, Inc., *Transportation Assessment for the Alameda Square Project, Los Angeles, California*, December 2024.

Appendix A

Ambient Noise Measurements

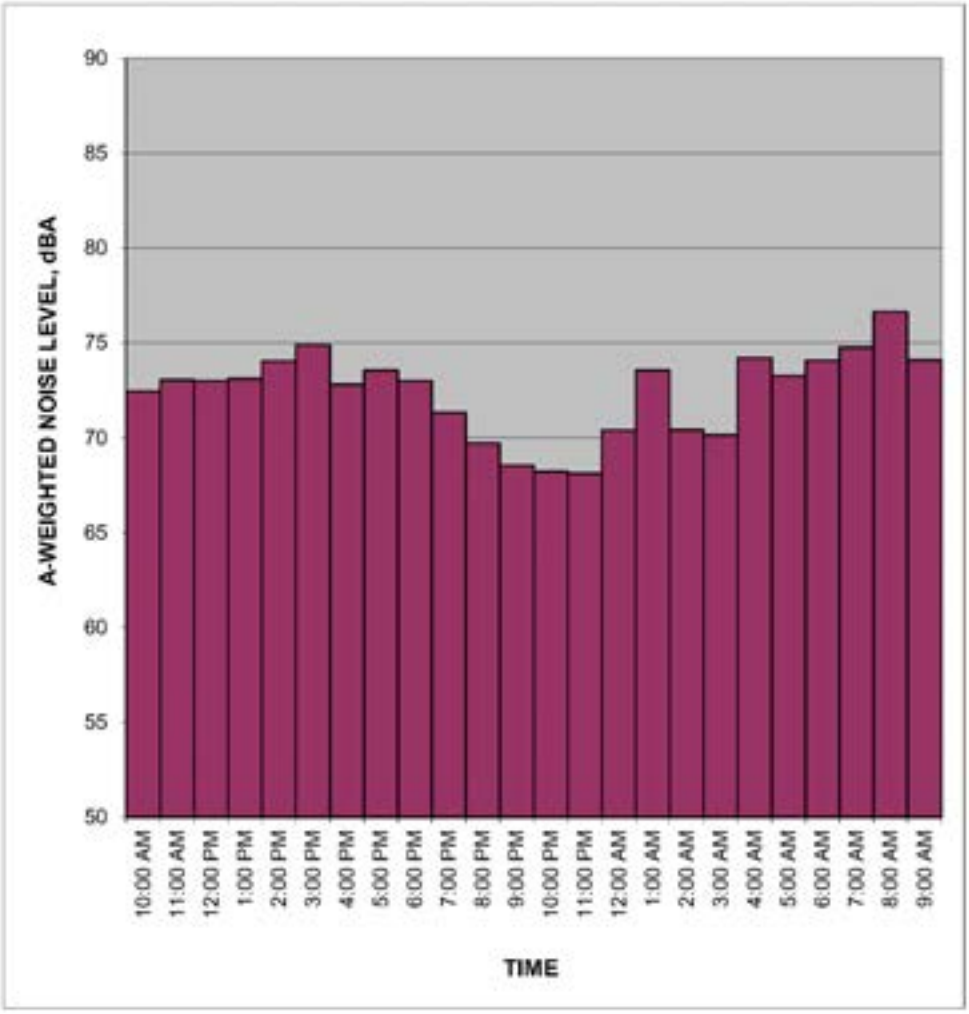
Measured Ambient Noise Levels

AES
Acoustical Engineering Services

Project: The ROW Project
Location: R1
Sources: Ambient

Date: 1/13 - 1/14/2025

TIME	HNL, dB(A)
10:00 AM	72.5
11:00 AM	73.1
12:00 PM	73.0
1:00 PM	73.1
2:00 PM	74.0
3:00 PM	74.9
4:00 PM	72.8
5:00 PM	73.6
6:00 PM	73.0
7:00 PM	71.3
8:00 PM	69.7
9:00 PM	68.5
10:00 PM	68.2
11:00 PM	68.1
12:00 AM	70.4
1:00 AM	73.6
2:00 AM	70.4
3:00 AM	70.2
4:00 AM	74.2
5:00 AM	73.3
6:00 AM	74.1
7:00 AM	74.8
8:00 AM	76.6
9:00 AM	74.1
CNEL, dB(A):	**78.8**



NOTES:

Daytime average	73.4	dBA Leq
Nighttime average	72.0	dBA Leq

AES
Acoustical Engineering Services

Location: R2
Date: 1/13/2025

Time	Leq
10:32:06 AM	65.8
10:32:16 AM	68.5
10:32:26 AM	69.9
10:32:36 AM	62.0
10:32:46 AM	67.3
10:32:56 AM	68.9
10:33:06 AM	61.3
10:33:16 AM	65.9
10:33:26 AM	70.7
10:33:36 AM	69.9
10:33:46 AM	64.9
10:33:56 AM	67.8
10:34:06 AM	62.6
10:34:16 AM	64.7
10:34:26 AM	64.2
10:34:36 AM	60.6
10:34:46 AM	67.9
10:34:56 AM	70.8
10:35:06 AM	70.8
10:35:16 AM	68.6
10:35:26 AM	66.4
10:35:36 AM	60.2
10:35:46 AM	60.6
10:35:56 AM	60.8
10:36:06 AM	69.8
10:36:16 AM	68.8
10:36:26 AM	69.3
10:36:36 AM	64.8
10:36:46 AM	66.1
10:36:56 AM	70.3
10:37:06 AM	63.0
10:37:16 AM	66.2
10:37:26 AM	64.5
10:37:36 AM	60.2
10:37:46 AM	67.3
10:37:56 AM	68.0
10:38:06 AM	67.9
10:38:16 AM	71.8
10:38:26 AM	77.0
10:38:36 AM	61.5
10:38:46 AM	55.9
10:38:56 AM	55.1
10:39:06 AM	60.5
10:39:16 AM	67.2

10:39:26 AM	68.6
10:39:36 AM	69.2
10:39:46 AM	71.0
10:39:56 AM	63.1
10:40:06 AM	68.6
10:40:16 AM	66.6
10:40:26 AM	63.0
10:40:36 AM	63.3
10:40:46 AM	63.7
10:40:56 AM	67.4
10:41:06 AM	68.6
10:41:16 AM	69.7
10:41:26 AM	71.5
10:41:36 AM	66.3
10:41:46 AM	65.6
10:41:56 AM	66.7
10:42:06 AM	65.1
10:42:16 AM	65.2
10:42:26 AM	69.2
10:42:36 AM	66.2
10:42:46 AM	66.0
10:42:56 AM	65.2
10:43:06 AM	67.6
10:43:16 AM	63.6
10:43:26 AM	61.0
10:43:36 AM	66.4
10:43:46 AM	65.8
10:43:56 AM	67.2
10:44:06 AM	70.4
10:44:16 AM	70.7
10:44:26 AM	64.8
10:44:36 AM	63.1
10:44:46 AM	63.7
10:44:56 AM	64.3
10:45:06 AM	65.9
10:45:16 AM	71.5
10:45:26 AM	67.4
10:45:36 AM	65.8
10:45:46 AM	66.4
10:45:56 AM	68.5
10:46:06 AM	62.1
10:46:16 AM	63.0
10:46:26 AM	64.6
10:46:36 AM	75.7
10:46:46 AM	68.7
10:46:56 AM	70.3
	67.9

AES
Acoustical Engineering Services

Time	Leq
10:01:30 PM	55.6
10:01:40 PM	55.2
10:01:50 PM	59.2
10:02:00 PM	60.8
10:02:10 PM	63.0
10:02:20 PM	61.0
10:02:30 PM	56.7
10:02:40 PM	59.9
10:02:50 PM	60.3
10:03:00 PM	62.3
10:03:10 PM	56.5
10:03:20 PM	60.9
10:03:30 PM	58.9
10:03:40 PM	61.9
10:03:50 PM	56.1
10:04:00 PM	59.4
10:04:10 PM	65.4
10:04:20 PM	53.9
10:04:30 PM	61.5
10:04:40 PM	61.1
10:04:50 PM	63.6
10:05:00 PM	59.0
10:05:10 PM	56.5
10:05:20 PM	54.0
10:05:30 PM	52.8
10:05:40 PM	66.0
10:05:50 PM	68.2
10:06:00 PM	67.1
10:06:10 PM	56.9
10:06:20 PM	54.2
10:06:30 PM	57.6
10:06:40 PM	67.8
10:06:50 PM	72.1
10:07:00 PM	63.0
10:07:10 PM	61.3
10:07:20 PM	55.9
10:07:30 PM	57.7
10:07:40 PM	59.1
10:07:50 PM	61.0
10:08:00 PM	62.9
10:08:10 PM	65.3
10:08:20 PM	60.0
10:08:30 PM	58.7
10:08:40 PM	59.2
10:08:50 PM	57.5
10:09:00 PM	53.6
10:09:10 PM	55.9

10:09:20 PM	65.8
10:09:30 PM	68.3
10:09:40 PM	60.0
10:09:50 PM	54.3
10:10:00 PM	54.3
10:10:10 PM	54.4
10:10:20 PM	62.4
10:10:30 PM	63.0
10:10:40 PM	54.1
10:10:50 PM	55.7
10:11:00 PM	58.1
10:11:10 PM	56.1
10:11:20 PM	55.5
10:11:30 PM	64.3
10:11:40 PM	63.6
10:11:50 PM	66.4
10:12:00 PM	59.9
10:12:10 PM	57.9
10:12:20 PM	56.1
10:12:30 PM	57.5
10:12:40 PM	55.7
10:12:50 PM	59.0
10:13:00 PM	59.9
10:13:10 PM	57.3
10:13:20 PM	58.5
10:13:30 PM	62.4
10:13:40 PM	63.1
10:13:50 PM	65.8
10:14:00 PM	75.0
10:14:10 PM	63.0
10:14:20 PM	59.1
10:14:30 PM	57.4
10:14:40 PM	55.0
10:14:50 PM	57.3
10:15:00 PM	65.6
10:15:10 PM	63.8
10:15:20 PM	63.7
10:15:30 PM	58.2
10:15:40 PM	55.8
10:15:50 PM	55.0
10:16:00 PM	53.4
10:16:10 PM	64.6
10:16:20 PM	66.1
	62.9

AES
Acoustical Engineering Services

Project: The ROW Project
Location: R3
Date: 1/13/2025

Time	Leq
10:51:47 AM	64.5
10:51:57 AM	65.4
10:52:07 AM	56.5
10:52:17 AM	63.0
10:52:27 AM	61.9
10:52:37 AM	58.8
10:52:47 AM	56.3
10:52:57 AM	64.2
10:53:07 AM	68.1
10:53:17 AM	65.6
10:53:27 AM	67.8
10:53:37 AM	69.4
10:53:47 AM	67.0
10:53:57 AM	67.2
10:54:07 AM	62.6
10:54:17 AM	53.8
10:54:27 AM	59.2
10:54:37 AM	71.0
10:54:47 AM	66.4
10:54:57 AM	60.9
10:55:07 AM	56.5
10:55:17 AM	65.0
10:55:27 AM	61.7
10:55:37 AM	63.6
10:55:47 AM	59.0
10:55:57 AM	62.4
10:56:07 AM	66.8
10:56:17 AM	67.9
10:56:27 AM	67.0
10:56:37 AM	72.1
10:56:47 AM	72.1
10:56:57 AM	70.0
10:57:07 AM	69.7
10:57:17 AM	78.1
10:57:27 AM	70.7
10:57:37 AM	65.4
10:57:47 AM	67.8
10:57:57 AM	71.5
10:58:07 AM	69.6
10:58:17 AM	76.6
10:58:27 AM	70.1
10:58:37 AM	75.5
10:58:47 AM	91.4

10:58:57 AM	74.3
10:59:07 AM	69.7
10:59:17 AM	69.1
10:59:27 AM	64.2
10:59:37 AM	63.0
10:59:47 AM	67.2
10:59:57 AM	62.6
11:00:07 AM	61.1
11:00:17 AM	60.5
11:00:27 AM	67.2
11:00:37 AM	66.0
11:00:47 AM	70.3
11:00:57 AM	68.0
11:01:07 AM	64.3
11:01:17 AM	69.4
11:01:27 AM	71.4
11:01:37 AM	66.0
11:01:47 AM	58.6
11:01:57 AM	62.4
11:02:07 AM	66.7
11:02:17 AM	65.5
11:02:27 AM	65.6
11:02:37 AM	62.6
11:02:47 AM	67.4
11:02:57 AM	61.7
11:03:07 AM	67.7
11:03:17 AM	64.8
11:03:27 AM	61.2
11:03:37 AM	66.4
11:03:47 AM	62.0
11:03:57 AM	68.0
11:04:07 AM	64.3
11:04:17 AM	68.4
11:04:27 AM	68.0
11:04:37 AM	55.6
11:04:47 AM	53.4
11:04:57 AM	61.6
11:05:07 AM	66.2
11:05:17 AM	65.1
11:05:27 AM	65.2
11:05:37 AM	65.0
11:05:47 AM	68.6
11:05:57 AM	67.5
11:06:07 AM	59.6
11:06:17 AM	64.4
11:06:27 AM	60.9
11:06:37 AM	62.0
	73.4

AES
Acoustical Engineering Services

Time	Leq
10:21:01 PM	60.6
10:21:11 PM	61.6
10:21:21 PM	66.6
10:21:31 PM	61.6
10:21:41 PM	66.7
10:21:51 PM	63.1
10:22:01 PM	63.8
10:22:11 PM	65.0
10:22:21 PM	66.5
10:22:31 PM	70.4
10:22:41 PM	69.0
10:22:51 PM	64.7
10:23:01 PM	65.2
10:23:11 PM	65.1
10:23:21 PM	63.7
10:23:31 PM	63.9
10:23:41 PM	62.6
10:23:51 PM	68.8
10:24:01 PM	65.1
10:24:11 PM	61.3
10:24:21 PM	60.9
10:24:31 PM	61.6
10:24:41 PM	66.5
10:24:51 PM	68.7
10:25:01 PM	62.0
10:25:11 PM	60.9
10:25:21 PM	60.8
10:25:31 PM	60.9
10:25:41 PM	60.9
10:25:51 PM	61.6
10:26:01 PM	65.8
10:26:11 PM	62.8
10:26:21 PM	63.7
10:26:31 PM	60.9
10:26:41 PM	61.5
10:26:51 PM	63.8
10:27:01 PM	64.8
10:27:11 PM	63.6
10:27:21 PM	65.7
10:27:31 PM	62.6
10:27:41 PM	63.0
10:27:51 PM	63.2
10:28:01 PM	61.0
10:28:11 PM	61.2
10:28:21 PM	61.2
10:28:31 PM	63.7

10:28:41 PM	65.6
10:28:51 PM	61.2
10:29:01 PM	60.9
10:29:11 PM	65.8
10:29:21 PM	62.6
10:29:31 PM	66.2
10:29:41 PM	62.2
10:29:51 PM	62.0
10:30:01 PM	61.1
10:30:11 PM	61.1
10:30:21 PM	65.2
10:30:31 PM	61.7
10:30:41 PM	70.6
10:30:51 PM	63.2
10:31:01 PM	64.3
10:31:11 PM	61.3
10:31:21 PM	61.6
10:31:31 PM	65.9
10:31:41 PM	61.3
10:31:51 PM	63.7
10:32:01 PM	69.0
10:32:11 PM	67.3
10:32:21 PM	60.6
10:32:31 PM	60.4
10:32:41 PM	60.6
10:32:51 PM	62.2
10:33:01 PM	68.6
10:33:11 PM	61.4
10:33:21 PM	60.9
10:33:31 PM	60.6
10:33:41 PM	60.7
10:33:51 PM	63.0
10:34:01 PM	64.3
10:34:11 PM	60.8
10:34:21 PM	60.6
10:34:31 PM	60.8
10:34:41 PM	60.7
10:34:51 PM	61.7
10:35:01 PM	61.2
10:35:11 PM	63.5
10:35:21 PM	63.3
10:35:31 PM	66.6
10:35:41 PM	63.4
10:35:51 PM	60.5
	64.2

AES
Acoustical Engineering Services

Project: The ROW Project
Location: R4
Date: 1/13/2025

Time	Leq
11:11:53 AM	61.7
11:12:03 AM	62.7
11:12:13 AM	62.2
11:12:23 AM	72.5
11:12:33 AM	72.0
11:12:43 AM	73.8
11:12:53 AM	74.8
11:13:03 AM	64.6
11:13:13 AM	58.6
11:13:23 AM	59.0
11:13:33 AM	61.2
11:13:43 AM	57.8
11:13:53 AM	67.8
11:14:03 AM	71.9
11:14:13 AM	78.2
11:14:23 AM	80.1
11:14:33 AM	67.3
11:14:43 AM	61.7
11:14:53 AM	58.4
11:15:03 AM	64.5
11:15:13 AM	60.7
11:15:23 AM	70.0
11:15:33 AM	75.8
11:15:43 AM	72.7
11:15:53 AM	69.3
11:16:03 AM	69.0
11:16:13 AM	66.1
11:16:23 AM	62.0
11:16:33 AM	62.5
11:16:43 AM	60.3
11:16:53 AM	72.7
11:17:03 AM	73.1
11:17:13 AM	70.9
11:17:23 AM	73.7
11:17:33 AM	72.0
11:17:43 AM	64.6
11:17:53 AM	58.1
11:18:03 AM	59.9
11:18:13 AM	56.4
11:18:23 AM	68.4
11:18:33 AM	71.8
11:18:43 AM	71.0
11:18:53 AM	72.4

11:19:03 AM	70.3
11:19:13 AM	65.4
11:19:23 AM	67.9
11:19:33 AM	59.2
11:19:43 AM	61.1
11:19:53 AM	75.7
11:20:03 AM	72.8
11:20:13 AM	74.7
11:20:23 AM	75.1
11:20:33 AM	65.4
11:20:43 AM	61.7
11:20:53 AM	64.1
11:21:03 AM	64.8
11:21:13 AM	62.5
11:21:23 AM	70.7
11:21:33 AM	71.3
11:21:43 AM	72.5
11:21:53 AM	72.6
11:22:03 AM	70.4
11:22:13 AM	65.7
11:22:23 AM	69.1
11:22:33 AM	69.4
11:22:43 AM	64.1
11:22:53 AM	70.9
11:23:03 AM	70.2
11:23:13 AM	71.6
11:23:23 AM	72.0
11:23:33 AM	72.0
11:23:43 AM	57.4
11:23:53 AM	60.6
11:24:03 AM	54.9
11:24:13 AM	61.6
11:24:23 AM	61.3
11:24:33 AM	72.5
11:24:43 AM	70.6
11:24:53 AM	70.0
11:25:03 AM	66.7
11:25:13 AM	56.1
11:25:23 AM	63.4
11:25:33 AM	66.3
11:25:43 AM	69.3
11:25:53 AM	72.1
11:26:03 AM	71.4
11:26:13 AM	74.7
11:26:23 AM	68.2
11:26:33 AM	64.0
11:26:43 AM	63.9
	70.4

AES
Acoustical Engineering Services

Time	Leq
10:41:23 PM	55.8
10:41:33 PM	56.9
10:41:43 PM	56.1
10:41:53 PM	66.4
10:42:03 PM	66.1
10:42:13 PM	63.7
10:42:23 PM	55.0
10:42:33 PM	68.0
10:42:43 PM	70.3
10:42:53 PM	61.9
10:43:03 PM	63.0
10:43:13 PM	65.3
10:43:23 PM	61.6
10:43:33 PM	56.7
10:43:43 PM	52.3
10:43:53 PM	56.0
10:44:03 PM	56.1
10:44:13 PM	62.0
10:44:23 PM	56.9
10:44:33 PM	54.3
10:44:43 PM	54.4
10:44:53 PM	65.1
10:45:03 PM	64.3
10:45:13 PM	54.7
10:45:23 PM	60.9
10:45:33 PM	72.1
10:45:43 PM	70.6
10:45:53 PM	59.6
10:46:03 PM	56.6
10:46:13 PM	63.6
10:46:23 PM	57.5
10:46:33 PM	57.6
10:46:43 PM	58.5
10:46:53 PM	59.7
10:47:03 PM	59.3
10:47:13 PM	54.3
10:47:23 PM	55.4
10:47:33 PM	66.6
10:47:43 PM	59.5
10:47:53 PM	65.5
10:48:03 PM	68.3
10:48:13 PM	58.6
10:48:23 PM	58.2
10:48:33 PM	59.7
10:48:43 PM	71.2
10:48:53 PM	73.1

10:49:03 PM	68.2
10:49:13 PM	65.5
10:49:23 PM	62.9
10:49:33 PM	54.3
10:49:43 PM	53.2
10:49:53 PM	53.2
10:50:03 PM	71.6
10:50:13 PM	62.7
10:50:23 PM	70.2
10:50:33 PM	68.9
10:50:43 PM	69.2
10:50:53 PM	56.5
10:51:03 PM	60.6
10:51:13 PM	60.5
10:51:23 PM	69.5
10:51:33 PM	69.2
10:51:43 PM	60.8
10:51:53 PM	65.7
10:52:03 PM	63.6
10:52:13 PM	51.9
10:52:23 PM	59.9
10:52:33 PM	68.6
10:52:43 PM	56.1
10:52:53 PM	53.2
10:53:03 PM	53.0
10:53:13 PM	51.6
10:53:23 PM	51.7
10:53:33 PM	57.1
10:53:43 PM	59.1
10:53:53 PM	67.4
10:54:03 PM	62.1
10:54:13 PM	60.5
10:54:23 PM	67.0
10:54:33 PM	57.6
10:54:43 PM	55.9
10:54:53 PM	57.4
10:55:03 PM	63.3
10:55:13 PM	58.1
10:55:23 PM	60.8
10:55:33 PM	58.8
10:55:43 PM	63.8
10:55:53 PM	56.8
10:56:03 PM	54.8
10:56:13 PM	54.6
	64.5

Appendix B

Operational Noise Calculations

AES
ACOUSTICAL ENGINEERING SERVICES

Project Composite Noise Calculations (CNEL)

Project: The ROW DTLA Residential Project
Applicant Supplemental Analysis

Receptor	Ambient	Traffic[a]	Mechanical	Outdoor	Parking	Loading & Trash Compactor		Project Composite	Ambient + Project	Increase
R1	78.8	54.3	47.1	38.6	20.9	26.9		55.2	78.8	0.0
R2	69.1	58.8	54.2	60.7	36.2	50.0		63.6	70.2	1.1
R3	72.7	55.3	53.9	54.6	31.2	43.2		59.5	72.9	0.2
R4	71.1	63.1	55.4	56.2	26.5	36.7		64.5	72.0	0.9

[a] - Project traffic noise levels at each receptor is based on the traffic noise analysis for the roadway segment in front of the receptor, adjusted for distance and barrier (if present), as provided in the table below.

		Traffic Noise Levels, CNEL								
Receptor	Roadway Segment	Existing	Existing + Project	Project Only	distance to roadway, ft	Existing	Existing + Project	barrier	distance to Center Line	adj. for distance
R1	7th Street	67.6	67.8	54.3	10	72.6	72.8	-5	25	0.0
R2	Alameda St.	75.1	75.2	58.8	10	75.1	75.2	0	25	0.0
R3	7th Street	74.9	74.9	55.3	10	74.9	74.9	0	25	0.0
R4	Alameda St.	74.6	74.9	63.1	10	74.6	74.9	0	25	0.0

AES
Acoustical Engineering Services

Outdoor Mechanical Equipment Noise Calculations

Project: The ROW DTLA Residential Project

Applicant Supplemental Analysis

	Estimated Noise Levels, Leq from SOUNDPLAN		Hours of Operations Ld (7am to 7pm)	Le (7pm to 10pm)	Ln (10pm to 7am)
Receptor	Leq	CNEL	12	3	9
R1	40.4	47.1	40.4	40.4	40.4
R2	47.5	54.2	47.5	47.5	47.5
R3	47.2	53.9	47.2	47.2	47.2
R4	48.7	55.4	48.7	48.7	48.7

Receptor	Ambient CNEL	Ambient + Project (CNEL)	Increase (CNEL)	ambient (Leq)	Ambient + Project (Leq)	Increase (Leq)
R1	78.8	78.8	0.0	72.0	72.0	0.0
R2	69.1	69.2	0.1	62.9	63.0	0.1
R3	72.7	72.8	0.1	64.2	64.3	0.1
R4	71.1	71.2	0.1	64.5	64.6	0.1

For Report

Receptor	ambient (Leq)	Project (Leq)	Ambient + Project (Leq)	Increase (Leq)	Threshold
R1	72.0	40.4	72.0	0.0	77.0
R2	62.9	47.5	63.0	0.1	67.9
R3	64.2	47.2	64.3	0.1	69.2
R4	64.5	48.7	64.6	0.1	69.5

AES
Acoustical Engineering Services

Parking Noise Calculations

Project: The ROW DTLA Residential Project

Applicant Supplemental Analysis

	Estimated Noise Levels, Leq from SOUNDPLAN		Hours of Operations Ld (7am to 7pm)	Le (7pm to 10pm)	Ln (10pm to 7am)
Receptor	Leq	CNEL	12	3	9
R1	14.2	20.9	14.2	14.2	14.2
R2	29.5	36.2	29.5	29.5	29.5
R3	24.5	31.2	24.5	24.5	24.5
R4	19.8	26.5	19.8	19.8	19.8

Receptor	Ambient CNEL	Ambient + Project (CNEL)	Increase (CNEL)	ambient (Leq)	Ambient + Project (Leq)	Increase (Leq)
R1	78.8	78.8	0.0	72.0	72.0	0.0
R2	69.1	69.1	0.0	62.9	62.9	0.0
R3	72.7	72.7	0.0	64.2	64.2	0.0
R4	71.1	71.1	0.0	64.5	64.5	0.0

For Report

Receptor	ambient (Leq)	Project (Leq)	Ambient + Project (Leq)	Increase (Leq)	Threshold
R1	72.0	14.2	72.0	0.0	77.0
R2	62.9	29.5	62.9	0.0	67.9
R3	64.2	24.5	64.2	0.0	69.2
R4	64.5	19.8	64.5	0.0	69.5

AES
Acoustical Engineering Services

Loading & Trash Compactor Noise Calculations

Project: The ROW DTLA Residential Project

Applicant Supplemental Analysis

			Hours of Operations		
	Estimated Noise Levels, Leq from SOUNDPLAN		Ld (7am to 7pm)	Le (7pm to 10pm)	Ln (10pm to 7am)
Receptor	Leq	CNEL	3	3	0
R1	29.7	26.9	23.7	29.7	0.0
R2	52.8	50.0	46.8	52.8	0.0
R3	46.0	43.2	40.0	46.0	0.0
R4	39.5	36.7	33.5	39.5	0.0

Receptor	Ambient CNEL	Ambient + Project (CNEL)	Increase (CNEL)	ambient (Leq)	Ambient + Project (Leq)	Increase (Leq)
R1	78.8	78.8	0.0	72.0	72.0	0.0
R2	69.1	69.2	0.1	62.9	63.3	0.4
R3	72.7	72.7	0.0	64.2	64.3	0.1
R4	71.1	71.1	0.0	64.5	64.5	0.0

For Report

Receptor	ambient (Leq)	Project (Leq)	Ambient + Project (Leq)	Increase (Leq)	Threshold
R1	72.0	29.7	72.0	0.0	77.0
R2	62.9	52.8	63.3	0.4	67.9
R3	64.2	46.0	64.3	0.1	69.2
R4	64.5	39.5	64.5	0.0	69.5

AES
Acoustical Engineering Services

Outdoor Noise Calculations

Project: The ROW DTLA Residential Project

Applicant Supplemental Analysis

	Estimated Noise Levels, Leq from SOUNDPLAN		Hours of Operations Ld (7am to 7pm)	Le (7pm to 10pm)	Ln (10pm to 7am)
Receptor	Leq	CNEL	12	3	4
R1	34.5	38.6	34.5	34.5	31.0
R2	56.6	60.7	56.6	56.6	53.1
R3	50.5	54.6	50.5	50.5	47.0
R4	52.1	56.2	52.1	52.1	48.6

Receptor	Ambient CNEL	Ambient + Project (CNEL)	Increase (CNEL)	ambient (Leq)	Project (Leq)	Ambient + Project (Leq)	Increase (Leq)
R1	78.8	78.8	0.0	72.0	34.5	72.0	0.0
R2	69.1	69.3	0.2	62.9	56.6	63.8	0.9
R3	72.7	72.7	0.0	64.2	50.5	64.4	0.2
R4	71.1	71.2	0.1	64.5	52.1	64.7	0.2

For Report

Receptor	ambient (Leq)	Project (Leq)	Project (Leq)	Ambient + Project (Leq)	Threshold (Leq)
R1	72.0	34.5	72.0	0.0	77.0
R2	62.9	56.6	63.8	0.9	67.9
R3	64.2	50.5	64.4	0.2	69.2
R4	64.5	52.1	64.7	0.2	69.5

The ROW
Source Levels in dB(A) - 04a - Mechanical

Name	Source type	Lw dB(A)	
Mechanical	Point	100.0	
Mechanical	Point	100.0	
Mechanical	Point	100.0	
Mechanical	Point	100.0	
Mechanical	Point	100.0	
Mechanical	Point	100.0	
Mechanical	Point	100.0	
Mechanical	Point	100.0	
Mechanical	Point	100.0	
Mechanical	Point	100.0	
Mechanical	Point	100.0	
Mechanical	Point	100.0	

The ROW
Calculated Noise Levels - 04a - Mechanical

Source	Source type	Leq,d dB(A)	
Receiver R1 Leq,d 40.4 dB(A)			
Mechanical	Point	33.7	
Mechanical	Point	33.3	
Mechanical	Point	29.3	
Mechanical	Point	27.8	
Mechanical	Point	30.4	
Mechanical	Point	32.7	
Mechanical	Point	25.1	
Mechanical	Point	26.0	
Mechanical	Point	26.5	
Mechanical	Point	26.9	
Mechanical	Point	22.5	
Mechanical	Point	23.3	
Receiver R2 Leq,d 47.5 dB(A)			
Mechanical	Point	42.5	
Mechanical	Point	38.6	
Mechanical	Point	39.7	
Mechanical	Point	37.9	
Mechanical	Point	32.7	
Mechanical	Point	38.6	
Mechanical	Point	27.4	
Mechanical	Point	25.6	
Mechanical	Point	23.9	
Mechanical	Point	22.3	
Mechanical	Point	33.3	
Mechanical	Point	34.2	
Receiver R3 Leq,d 47.2 dB(A)			
Mechanical	Point	38.9	
Mechanical	Point	30.2	
Mechanical	Point	40.3	
Mechanical	Point	39.9	
Mechanical	Point	36.9	
Mechanical	Point	28.3	
Mechanical	Point	37.6	
Mechanical	Point	35.6	
Mechanical	Point	28.2	
Mechanical	Point	29.8	
Mechanical	Point	36.0	
Mechanical	Point	34.9	
Receiver R4 Leq,d 48.7 dB(A)			
Mechanical	Point	30.5	
Mechanical	Point	28.8	
Mechanical	Point	43.5	

The ROW
Calculated Noise Levels - 04a - Mechanical

Source	Source type	Leq,d dB(A)	
Mechanical	Point	43.6	
Mechanical	Point	36.2	
Mechanical	Point	27.2	
Mechanical	Point	41.0	
Mechanical	Point	35.1	
Mechanical	Point	26.3	
Mechanical	Point	23.3	
Mechanical	Point	34.1	
Mechanical	Point	35.1	

The ROW
Input data parking lots - 04d - Parking

Parking lot	Number of Parking Spaces	
Parking - South Building B	23	
Parking - North Building	64	
Parking - South Building A	87	

The ROW
Calculated Noise Levels - 04d - Parking

Source	Source type	Leq,d dB(A)	
Receiver R1 Leq,d 14.2 dB(A)			
Parking - North Building	PLot	13.6	
Parking - South Building B	PLot	-6.1	
Parking - South Building A	PLot	4.9	
Receiver R2 Leq,d 29.5 dB(A)			
Parking - North Building	PLot	29.5	
Parking - South Building B	PLot	0.6	
Parking - South Building A	PLot	5.2	
Receiver R3 Leq,d 24.5 dB(A)			
Parking - North Building	PLot	24.5	
Parking - South Building B	PLot	-4.7	
Parking - South Building A	PLot	5.6	
Receiver R4 Leq,d 19.8 dB(A)			
Parking - North Building	PLot	18.7	
Parking - South Building B	PLot	10.1	
Parking - South Building A	PLot	10.3	

The ROW
Source Levels in dB(A) - 04b - Loading & Trash Compactor

Name	Source type	Lw dB(A)	
Loading	Point	101.9	
Loading	Point	101.9	
Loading	Point	101.9	
Loading	Point	101.9	
Loading	Point	101.9	
Trash Compactor	Point	77.7	
Trash Compactor	Point	77.7	
Trash Compactors	Point	77.7	

The ROW
Calculated Noise Levels - 04b - Loading & Trash Compactor

Source	Source type	Leq,d dB(A)	
Receiver R1 Leq,d 29.7 dB(A)			
Loading	Point	22.3	
Loading	Point	21.2	
Loading	Point	14.2	
Loading	Point	14.4	
Loading	Point	27.5	
Trash Compactors	Point	-8.3	
Trash Compactor	Point	-23.1	
Trash Compactor	Point	-2.8	
Receiver R2 Leq,d 52.8 dB(A)			
Loading	Point	28.6	
Loading	Point	30.1	
Loading	Point	20.2	
Loading	Point	24.1	
Loading	Point	52.7	
Trash Compactors	Point	-6.7	
Trash Compactor	Point	-20.1	
Trash Compactor	Point	17.4	
Receiver R3 Leq,d 46.0 dB(A)			
Loading	Point	27.3	
Loading	Point	27.7	
Loading	Point	20.6	
Loading	Point	20.6	
Loading	Point	45.8	
Trash Compactors	Point	-6.7	
Trash Compactor	Point	-13.9	
Trash Compactor	Point	-10.1	
Receiver R4 Leq,d 39.5 dB(A)			
Loading	Point	33.7	
Loading	Point	35.0	
Loading	Point	26.7	
Loading	Point	31.0	
Loading	Point	32.4	
Trash Compactors	Point	-1.5	
Trash Compactor	Point	13.9	
Trash Compactor	Point	5.9	

The ROW
Source Levels in dB(A) - 04c - Speakers

Name	Source type	Lw dB(A)	
Speakers Level 02	Point	104.2	
Speakers Level 02	Point	104.2	
Speakers Level 02	Point	104.2	
Speakers Level 02	Point	104.2	
Speakers Level 02	Point	104.2	
Speakers Level 02	Point	104.2	
Speakers Level 02	Point	104.2	
Speakers Level 02	Point	104.2	
Speakers Level 02	Point	104.2	
Speakers Level 02	Point	104.2	
Speakers Level 02	Point	104.2	
Speakers Level 02	Point	104.2	
Speakers Level 02	Point	104.2	
Speakers Level 02	Point	104.2	
Speakers Level 02	Point	104.2	
Speakers Level 02	Point	104.2	
Speakers Level 02	Point	104.2	
Speakers Level 02	Point	104.2	
Speakers Level 02	Point	104.2	
Speakers Level 02	Point	104.2	
Speakers Level 02	Point	104.2	
Speakers Level 02	Point	104.2	
Speakers Level 02	Point	104.2	
Speakers Level 02	Point	104.2	
Speakers Level 02	Point	104.2	
Speakers Level 02	Point	104.2	
Speakers Level 02	Point	104.2	
Speakers Level 02	Point	104.2	
Speakers Level 02	Point	104.2	
Speakers Level 02	Point	104.2	
Speakers Level 02	Point	104.2	
Speakers Level 02	Point	104.2	
Speakers Level 02	Point	104.2	
Speakers Level 02	Point	104.2	
Speakers Level 02	Point	104.2	
Speakers Level 08	Point	104.2	
Speakers Level 08	Point	104.2	
Speakers Level 08	Point	104.2	
Speakers Level 08	Point	104.2	
Speakers Level 08	Point	104.2	
Speakers Level 08	Point	104.2	
Speakers Level 08	Point	104.2	

The ROW
Source Levels in dB(A) - 04c - Speakers

Name	Source type	Lw dB(A)	
Speakers Level 08	Point	104.2	
Speakers Level 08	Point	104.2	
Speakers Level 08	Point	104.2	
Speakers Level 08	Point	104.2	
Speakers Level 08	Point	104.2	
Speakers Level 08	Point	104.2	
Speakers Level 08	Point	104.2	
Speakers Level 08	Point	104.2	
Speakers Level 08	Point	104.2	
Speakers Level 08	Point	104.2	
Speakers Level 08	Point	104.2	
Speakers Level 08	Point	104.2	
Speakers Level 08	Point	104.2	
Speakers Level 08	Point	104.2	
Speakers Level 08	Point	104.2	
Speakers Level 08	Point	104.2	
Speakers Level 08	Point	104.2	
Speakers Level 08	Point	104.2	
Speakers Level 08	Point	104.2	

The ROW
Calculated Noise Levels - 04c - Speakers

Source	Source type	Leq,d dB(A)	
Receiver R1 Leq,d 34.5 dB(A)			
Speakers Level 02	Point	2.6	
Speakers Level 02	Point	2.4	
Speakers Level 02	Point	2.3	
Speakers Level 02	Point	16.2	
Speakers Level 02	Point	2.0	
Speakers Level 02	Point	20.0	
Speakers Level 02	Point	19.8	
Speakers Level 02	Point	16.9	
Speakers Level 02	Point	17.9	
Speakers Level 02	Point	17.1	
Speakers Level 02	Point	10.9	
Speakers Level 02	Point	20.9	
Speakers Level 02	Point	16.8	
Speakers Level 02	Point	6.4	
Speakers Level 02	Point	18.9	
Speakers Level 02	Point	-0.7	
Speakers Level 02	Point	0.1	
Speakers Level 02	Point	-0.4	
Speakers Level 02	Point	13.0	
Speakers Level 02	Point	12.9	
Speakers Level 02	Point	10.4	
Speakers Level 02	Point	-2.9	
Speakers Level 02	Point	9.2	
Speakers Level 02	Point	9.4	
Speakers Level 02	Point	7.3	
Speakers Level 02	Point	1.8	
Speakers Level 02	Point	-1.8	
Speakers Level 02	Point	-1.0	
Speakers Level 02	Point	-2.6	
Speakers Level 02	Point	7.7	
Speakers Level 02	Point	11.6	
Speakers Level 02	Point	4.5	
Speakers Level 08	Point	1.5	
Speakers Level 08	Point	1.3	
Speakers Level 08	Point	1.1	
Speakers Level 08	Point	5.8	
Speakers Level 08	Point	6.8	
Speakers Level 08	Point	7.1	
Speakers Level 08	Point	17.0	
Speakers Level 08	Point	11.0	
Speakers Level 08	Point	11.1	
Speakers Level 08	Point	13.5	

The ROW
Calculated Noise Levels - 04c - Speakers

Source	Source type	Leq,d dB(A)	
Speakers Level 08	Point	-2.3	
Speakers Level 08	Point	-2.3	
Speakers Level 08	Point	-1.1	
Speakers Level 08	Point	-1.1	
Speakers Level 08	Point	2.9	
Speakers Level 08	Point	2.9	
Speakers Level 08	Point	2.8	
Speakers Level 08	Point	19.3	
Speakers Level 08	Point	18.0	
Speakers Level 08	Point	17.7	
Speakers Level 08	Point	29.7	
Speakers Level 08	Point	28.7	
Speakers Level 08	Point	0.2	
Speakers Level 08	Point	0.4	
Speakers Level 08	Point	14.5	
Speakers Level 08	Point	14.9	
Receiver R2 Leq,d 56.6 dB(A)			
Speakers Level 02	Point	13.1	
Speakers Level 02	Point	12.7	
Speakers Level 02	Point	12.2	
Speakers Level 02	Point	11.6	
Speakers Level 02	Point	27.0	
Speakers Level 02	Point	43.0	
Speakers Level 02	Point	20.8	
Speakers Level 02	Point	16.5	
Speakers Level 02	Point	26.5	
Speakers Level 02	Point	22.3	
Speakers Level 02	Point	20.8	
Speakers Level 02	Point	33.6	
Speakers Level 02	Point	51.0	
Speakers Level 02	Point	37.5	
Speakers Level 02	Point	46.5	
Speakers Level 02	Point	5.4	
Speakers Level 02	Point	6.5	
Speakers Level 02	Point	5.0	
Speakers Level 02	Point	14.2	
Speakers Level 02	Point	14.1	
Speakers Level 02	Point	11.6	
Speakers Level 02	Point	1.1	
Speakers Level 02	Point	14.1	
Speakers Level 02	Point	15.5	
Speakers Level 02	Point	13.1	
Speakers Level 02	Point	2.0	

The ROW
Calculated Noise Levels - 04c - Speakers

Source	Source type	Leq,d dB(A)	
Speakers Level 02	Point	0.9	
Speakers Level 02	Point	1.2	
Speakers Level 02	Point	5.4	
Speakers Level 02	Point	7.6	
Speakers Level 02	Point	9.0	
Speakers Level 02	Point	3.0	
Speakers Level 08	Point	24.4	
Speakers Level 08	Point	16.1	
Speakers Level 08	Point	8.5	
Speakers Level 08	Point	12.8	
Speakers Level 08	Point	13.5	
Speakers Level 08	Point	24.6	
Speakers Level 08	Point	35.6	
Speakers Level 08	Point	22.6	
Speakers Level 08	Point	23.0	
Speakers Level 08	Point	25.0	
Speakers Level 08	Point	2.8	
Speakers Level 08	Point	4.2	
Speakers Level 08	Point	1.8	
Speakers Level 08	Point	1.6	
Speakers Level 08	Point	8.2	
Speakers Level 08	Point	8.6	
Speakers Level 08	Point	10.8	
Speakers Level 08	Point	24.9	
Speakers Level 08	Point	25.4	
Speakers Level 08	Point	30.7	
Speakers Level 08	Point	51.0	
Speakers Level 08	Point	51.1	
Speakers Level 08	Point	4.2	
Speakers Level 08	Point	11.4	
Speakers Level 08	Point	13.8	
Speakers Level 08	Point	13.4	
Receiver R3 Leq,d 50.5 dB(A)			
Speakers Level 02	Point	15.7	
Speakers Level 02	Point	15.7	
Speakers Level 02	Point	15.6	
Speakers Level 02	Point	15.3	
Speakers Level 02	Point	15.1	
Speakers Level 02	Point	22.2	
Speakers Level 02	Point	31.1	
Speakers Level 02	Point	31.2	
Speakers Level 02	Point	20.3	
Speakers Level 02	Point	25.9	

The ROW
Calculated Noise Levels - 04c - Speakers

Source	Source type	Leq,d dB(A)	
Speakers Level 02	Point	33.4	
Speakers Level 02	Point	45.2	
Speakers Level 02	Point	41.0	
Speakers Level 02	Point	41.5	
Speakers Level 02	Point	38.7	
Speakers Level 02	Point	13.7	
Speakers Level 02	Point	12.6	
Speakers Level 02	Point	12.7	
Speakers Level 02	Point	2.6	
Speakers Level 02	Point	3.4	
Speakers Level 02	Point	5.6	
Speakers Level 02	Point	0.2	
Speakers Level 02	Point	14.8	
Speakers Level 02	Point	16.9	
Speakers Level 02	Point	14.4	
Speakers Level 02	Point	8.8	
Speakers Level 02	Point	10.7	
Speakers Level 02	Point	-0.8	
Speakers Level 02	Point	8.7	
Speakers Level 02	Point	-0.6	
Speakers Level 02	Point	-0.4	
Speakers Level 02	Point	-0.7	
Speakers Level 08	Point	28.8	
Speakers Level 08	Point	25.7	
Speakers Level 08	Point	12.2	
Speakers Level 08	Point	30.8	
Speakers Level 08	Point	30.3	
Speakers Level 08	Point	29.9	
Speakers Level 08	Point	32.4	
Speakers Level 08	Point	26.2	
Speakers Level 08	Point	25.9	
Speakers Level 08	Point	26.2	
Speakers Level 08	Point	3.1	
Speakers Level 08	Point	6.2	
Speakers Level 08	Point	2.4	
Speakers Level 08	Point	2.2	
Speakers Level 08	Point	11.8	
Speakers Level 08	Point	9.8	
Speakers Level 08	Point	16.6	
Speakers Level 08	Point	24.0	
Speakers Level 08	Point	36.3	
Speakers Level 08	Point	36.7	
Speakers Level 08	Point	39.8	
Speakers Level 08	Point	40.8	

The ROW
Calculated Noise Levels - 04c - Speakers

Source	Source type	Leq,d dB(A)	
Speakers Level 08	Point	24.2	
Speakers Level 08	Point	24.7	
Speakers Level 08	Point	4.0	
Speakers Level 08	Point	12.8	
Receiver R4 Leq,d 52.1 dB(A)			
Speakers Level 02	Point	35.2	
Speakers Level 02	Point	30.8	
Speakers Level 02	Point	31.6	
Speakers Level 02	Point	29.7	
Speakers Level 02	Point	31.6	
Speakers Level 02	Point	32.4	
Speakers Level 02	Point	31.6	
Speakers Level 02	Point	34.5	
Speakers Level 02	Point	36.0	
Speakers Level 02	Point	36.0	
Speakers Level 02	Point	33.9	
Speakers Level 02	Point	34.7	
Speakers Level 02	Point	26.7	
Speakers Level 02	Point	49.7	
Speakers Level 02	Point	27.5	
Speakers Level 02	Point	20.3	
Speakers Level 02	Point	19.9	
Speakers Level 02	Point	21.2	
Speakers Level 02	Point	13.2	
Speakers Level 02	Point	11.8	
Speakers Level 02	Point	13.1	
Speakers Level 02	Point	3.1	
Speakers Level 02	Point	18.1	
Speakers Level 02	Point	19.6	
Speakers Level 02	Point	16.9	
Speakers Level 02	Point	11.4	
Speakers Level 02	Point	14.9	
Speakers Level 02	Point	4.1	
Speakers Level 02	Point	13.3	
Speakers Level 02	Point	4.0	
Speakers Level 02	Point	4.9	
Speakers Level 02	Point	3.6	
Speakers Level 08	Point	32.1	
Speakers Level 08	Point	30.7	
Speakers Level 08	Point	13.9	
Speakers Level 08	Point	29.1	
Speakers Level 08	Point	27.1	
Speakers Level 08	Point	25.7	

The ROW
Calculated Noise Levels - 04c - Speakers

Source	Source type	Leq,d dB(A)	
Speakers Level 08	Point	36.4	
Speakers Level 08	Point	29.1	
Speakers Level 08	Point	29.8	
Speakers Level 08	Point	31.0	
Speakers Level 08	Point	5.6	
Speakers Level 08	Point	8.0	
Speakers Level 08	Point	4.7	
Speakers Level 08	Point	4.4	
Speakers Level 08	Point	36.0	
Speakers Level 08	Point	36.4	
Speakers Level 08	Point	35.6	
Speakers Level 08	Point	31.7	
Speakers Level 08	Point	35.5	
Speakers Level 08	Point	40.2	
Speakers Level 08	Point	19.4	
Speakers Level 08	Point	20.5	
Speakers Level 08	Point	13.9	
Speakers Level 08	Point	14.8	
Speakers Level 08	Point	13.9	
Speakers Level 08	Point	15.3	

AES
Acoustical Engineering Services

Off-Site Traffic Noise Calculations
Project: The ROW DTLA Residential Project

Traffic Distribution as % of ADT				
Vehicle Type	**Day**	**Eve**	**Night**	**Sub total**
Auto	77.6%	9.7%	9.7%	97.0%
Medium Truck	1.6%	0.2%	0.2%	2.0%
Heavy Truck	0.8%	0.1%	0.1%	1.0%
	80.0%	10.0%	10.0%	100.0%

PHV to ADT factor 10%

EXISTING CONDITIONS

Roadway Segment	Roadway Width*, ft	Distance to Edge of Roadway, ft	Distance to Centerline, feet	Speed mph	Traffic Volume PHV	Traffic Volume ADT	PHV to ADT factor	Barrier Atten.	Site Adjust., dBA	24-Hour CNEL
Central Street										
- Between 6th St. and 7th St.	60	10	40	35	1,442	14,420	10%	0	0	70.4
- Between 7th St. and 8th St.	60	10	40	35	1,621	16,210	10%	0	0	71.0
Alameda Street										
- Between 6th St. and 7th St.	60	10	40	35	1,954	19,540	10%	0	0	71.8
- Between 7th St. and Bay St.	60	10	40	35	1,780	17,800	10%	0	0	71.4
- Between Bay St. and Olympic Blvd.	60	10	40	35	1,648	16,480	10%	0	0	71.0
7th Street										
- Between Central St. and Alameda St.	50	10	35	35	1,391	13,910	10%	0	0	70.9
- Between Alameda St. and Mateo St.	50	10	35	35	1,287	12,870	10%	0	0	70.6
Olympic Boulevard										
- Between Central St. and Alameda St.	50	10	35	35	1,909	19,090	10%	0	0	72.3
- Between Alameda St. and Lemon St.	50	10	35	35	2,029	20,290	10%	0	0	72.5

* Estimated based on Google Earth map.

** Calculated using FHWA's TNM Version 2.5 Computer Noise Model.

Date Printed: 9/3/2025

AES
Acoustical Engineering Services

Off-Site Traffic Noise Calculations
Project: The ROW DTLA Residential Project

Traffic Distribution as % of ADT				
Vehicle Type	**Day**	**Eve**	**Night**	**Sub total**
Auto	77.6%	9.7%	9.7%	97.0%
Medium Truck	1.6%	0.2%	0.2%	2.0%
Heavy Truck	0.8%	0.1%	0.1%	1.0%
	80.0%	10.0%	10.0%	100.0%

PHV to ADT factor 10%

EXISTING + PROJECT CONDITIONS

Roadway Segment	Roadway Width*, ft	Distance to Edge of Roadway, ft	Distance to Centerline, feet	Speed mph	Traffic Volume PHV	Traffic Volume ADT	PHV to ADT factor	Barrier Atten.	Site Adjust., dBA	24-Hour CNEL
Central Street										
- Between 6th St. and 7th St.	60	10	40	35	1,442	14,420	10%	0	0	70.4
- Between 7th St. and 8th St.	60	10	40	35	1,621	16,210	10%	0	0	71.0
Alameda Street										
- Between 6th St. and 7th St.	60	10	40	35	2,049	20,490	10%	0	0	72.0
- Between 7th St. and Bay St.	60	10	40	35	1,995	19,950	10%	0	0	71.9
- Between Bay St. and Olympic Blvd.	60	10	40	35	1,838	18,380	10%	0	0	71.5
7th Street										
- Between Central St. and Alameda St.	50	10	35	35	1,505	15,050	10%	0	0	71.2
- Between Alameda St. and Mateo St.	50	10	35	35	1,325	13,250	10%	0	0	70.7
Olympic Boulevard										
- Between Central St. and Alameda St.	50	10	35	35	1,947	19,470	10%	0	0	72.3

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Acoustical Engineering Services

Off-Site Traffic Noise Calculations
Project: The ROW DTLA Residential Project

Traffic Distribution as % of ADT				
Vehicle Type	**Day**	**Eve**	**Night**	**Sub total**
Auto	77.6%	9.7%	9.7%	97.0%
Medium Truck	1.6%	0.2%	0.2%	2.0%
Heavy Truck	0.8%	0.1%	0.1%	1.0%
	80.0%	10.0%	10.0%	100.0%

PHV to ADT factor 10%

FUTURE NO PROJECT CONDITIONS

Roadway Segment	Roadway Width*, ft	Distance to Edge of Roadway, ft	Distance to Centerline, feet	Speed mph	Traffic Volume PHV	Traffic Volume ADT	PHV to ADT factor	Barrier Atten.	Site Adjust., dBA	24-Hour CNEL
Central Street										
- Between 6th St. and 7th St.	60	10	40	35	1,560	15,600	10%	0	0	70.8
- Between 7th St. and 8th St.	60	10	40	35	1,755	17,550	10%	0	0	71.3
Alameda Street										
- Between 6th St. and 7th St.	60	10	40	35	4,248	42,480	10%	0	0	75.1
- Between 7th St. and Bay St.	60	10	40	35	3,772	37,720	10%	0	0	74.6
- Between Bay St. and Olympic Blvd.	60	10	40	35	3,686	36,860	10%	0	0	74.5
7th Street										
- Between Central St. and Alameda St.	50	10	35	35	2,050	20,500	10%	0	0	72.6
- Between Alameda St. and Mateo St.	50	10	35	35	3,475	34,750	10%	0	0	74.9
Olympic Boulevard										
- Between Central St. and Alameda St.	50	10	35	35	2,507	25,070	10%	0	0	73.4

AES
Acoustical Engineering Services

Off-Site Traffic Noise Calculations
Project: The ROW DTLA Residential Project

Traffic Distribution as % of ADT				
Vehicle Type	**Day**	**Eve**	**Night**	**Sub total**
Auto	77.6%	9.7%	9.7%	97.0%
Medium Truck	1.6%	0.2%	0.2%	2.0%
Heavy Truck	0.8%	0.1%	0.1%	1.0%
	80.0%	10.0%	10.0%	100.0%

PHV to ADT factor 10%

FUTURE PLUS PROJECT CONDITIONS

Roadway Segment	Roadway Width*, ft	Distance to Edge of Roadway, ft	Distance to Centerline, feet	Speed mph	Traffic Volume PHV	Traffic Volume ADT	PHV to ADT factor	Barrier Atten.	Site Adjust., dBA	24-Hour CNEL
Central Street										
- Between 6th St. and 7th St.	60	10	40	35	1,560	15,600	10%	0	0	70.8
- Between 7th St. and 8th St.	60	10	40	35	1,755	17,550	10%	0	0	71.3
Alameda Street										
- Between 6th St. and 7th St.	60	10	40	35	4,343	43,430	10%	0	0	75.2
- Between 7th St. and Bay St.	60	10	40	35	3,987	39,870	10%	0	0	74.9
- Between Bay St. and Olympic Blvd.	60	10	40	35	3,876	38,760	10%	0	0	74.7
7th Street										
- Between Central St. and Alameda St.	50	10	35	35	2,151	21,510	10%	0	0	72.8
- Between Alameda St. and Mateo St.	50	10	35	35	3,513	35,130	10%	0	0	74.9
Olympic Boulevard										
- Between Central St. and Alameda St.	50	10	35	35	2,545	25,450	10%	0	0	73.5

777 S. ALAMEDA ST.

Water and Wastewater Infrastructure Study

September 10, 2025

Kimley»Horn

Kimley»Horn

TABLE OF CONTENTS

WATER 1

PROJECT DESCRIPTION 1

EXISTING WATER INFRASTRUCTURE 1

PROPOSED WATER INFRASTRUCTURE 2

PROPOSED WATER DEMAND 3

SEWER 4

EXISTING SEWER INFRASTRUCTURE 4

PROPOSED SEWER INFRASTRUCTURE 4

APPENDICES

1 Information for Fire Flow Availability (IFFA)

2 Service Advisory Request (SAR)

3 Water Supply Assessment (WSA)

4 Sewer Capacity Availability Request (SCAR)

EXHIBITS

1 Water Service Map

2 NavigateLA Existing Sewer Map

Kimley»Horn

WATER

PROJECT DESCRIPTION

The Applicant is proposing to develop three buildings containing 1,000 residential units including 114 Very Low Income Housing units in three buildings and 6,547 square feet of commercial (retail/restaurant) uses within two buildings (Project) on a portion of the site located at 757–787 S. Alameda Street, 1318–1396 E. 7th Street, 736–796 S. Central Avenue, 1301–1327 E. 8th Street, 700–760 S. Market Court, 720–746 S. Terminal Street, and 760 S. Warehouse Street in the Downtown Community Plan area of the City of Los Angeles (City), presently know as ROW DTLA (Project Site). The Project would redevelop the two existing surface parking lots (Development Area) into a mixed-use development located on the north and south sides of Center Street, on the eastern edge of the Project Site. The Development Area is comprised of approximately 4.85 gross acres.

Building A would include commercial space at the first floor; 410 residential units at the first through eighth floors; and two levels of subterranean parking. Building B would include 214 residential units at the first through eight floors and two levels of subterranean parking. Building C would include commercial space at the first floor; 376 residential units at the first through eighth floors; and two levels of subterranean parking. The proposed buildings would range from approximately 100 feet to 103 feet in height. Upon completion, 884,278 square feet of new floor would be provided in the Development Area. When accounting for the existing floor area to remain, approximately 2,477,695 square feet of floor area would be provided within the Project Site with a total FAR of 1.86:1.

The Project would include up to 1,092 vehicular parking spaces. A total of 96,278 square feet of open space would also be provided. The existing uses within the remainder of the Project Site outside of the Development Area will remain and would not be modified by the Project.

EXISTING WATER INFRASTRUCTURE

According to Los Angeles Department of Water and Power (LADWP) Water Service Maps 124-213 **(Exhibit 1)**, the following infrastructure exists surrounding the Project Site:

- Alameda Street – A 12" water main (No. 97696(83)) runs north/south adjacent to the Project Site along Alameda Street.
- 7th Street – A 12" water main (No. 5180(1904)) runs northwest/southeast adjacent to the Project Site along 7th Street.

A total of four (4) existing public fire hydrants are directly adjacent to the project site along Alameda Street to the east. An additional two (2) existing private fire hydrants are on-site to the west of the Project. The public hydrants are labeled #1-4 on the Water Service Map in **Exhibit 1**. A request for Information on Fire Flow Availability (IFFA) was made on July 22, 2025, for three (3) public hydrants (Hydrants #1, 2 and 4) based on the proposed connection points. It was assumed that fire hydrant #3 would produce similar flow results as nearby hydrants, thus it was not tested. The results were provided on August 1, 2025, and are summarized below. The IFFA results from the City of Los Angeles Department of Water and Power (LADWP) can be found in **Appendix 1**.

- Public Hydrant #1 (ID# 8720) is located on the west side of Alameda Street, approximately 38 feet south of 7th Street. The hydrant is fed by an existing 12" water main in Alameda Street. The IFFA results show static and residual pressures of 60 psi and 50 psi, respectively. The flow at 20 psi was determined to be 1,500 GPM.

- Public Hydrant #2 (ID# 16208) is located on the west side of Alameda Street, approximately 287 feet south of 7th Street. The hydrant is fed by an existing 12" water main in Alameda Street. The IFFA results show static and residual pressures of 60 psi and 49 psi, respectively. The flow at 20 psi was determined to be 1,500 GPM.

- Public Hydrant #4 (ID# 16209) is located on the west side of Alameda Street, approximately 122 feet north of Bay Street. The hydrant is fed by an existing 12" water main in Alameda Street. The IFFA results show static and residual pressures of 60 psi and 49 psi, respectively. The flow at 20 psi was determined to be 1,500 GPM.

PROPOSED WATER INFRASTRUCTURE

DOMESTIC FLOW

The Project proposes domestic service for each of the three buildings. Three Service Advisory Requests (SARs) were submitted to the City of Los Angeles Department of Water and Power (LADWP) to test the existing water mains at the proposed service connections for the Project Site. The three (3) SARs can be found in **Appendix 2** and are summarized below.

- SAR #111781 (Building A) measured the 12" main under Alameda Street for a proposed 6" service. The system's maximum pressure is 61 psi based on a street curb elevation of 246' above sea level. The SAR was approved on August 1, 2025, with a flow of 1,400 GPM at 52 psi for a 6" fire service and 4" domestic combo service.

- SAR #111782 (Building B) measured the 12" main under Alameda Street for a proposed 6" service. The system's maximum pressure is 61 psi based on a street curb elevation of 246' above sea level. The SAR was approved on August 1, 2025, with a flow of 1,400 GPM at 52 psi for a 6" fire service and 4" domestic combo service.

- SAR #111742 (Building C) measured the 12" main under Alameda Street for a proposed 6" service. The system's maximum pressure is 61 psi based on a street curb elevation of 246' above sea level. The SAR was approved on August 1, 2025, with a flow of 1,400 GPM at 53 psi for a 6" fire service and 4" domestic combo service.

The installation of the new water services for the Project will be done by LADWP, which will include new hot taps, laterals, and meters up to the property line. All water infrastructure within the property line will be constructed by the developer. Fire service water line will be piped into the buildings from the meter. Backflow preventers, any required fire water tanks and fire pumps will be documented on the plumbing drawings. Pressure regulators will be installed where the pressures exceed 80 psi at the building pad elevation as required in accordance with the Los Angeles City Plumbing Code.

FIRE FLOW

The proposed use of the Project Site falls under High Density Residential and Neighborhood Commercial. Under Los Angeles Municipal Code (LAMC) Table 57.507.3.1, the fire flow standards require a minimum fire flow of 4,000 gallons per minute (gpm) from four hydrants flowing simultaneously, at a minimum residual pressure of 20 psi[1].

There are currently four (4) public fire hydrants and two (2) private hydrants available as described in detail in Section 1.1 of this report and their locations shown on **Exhibit 1**. Simultaneous triple-flow tests were performed on three (3) existing hydrants resulting in a combined flow of 4,500 GPM at 20 psi for each group. Based on the SAR and Fire Flow Availability Reports described in this report and

[1] Los Angeles Municipal Code, Section 57.507.3

attached in **Appendix 1 and 2**, available fire flow is adequate for the Project.

The nearby water infrastructure is adequate to serve the proposed development and its connections per the Information on Fire Flow Availability (IFFA) and Service Availability Request (SAR) provided by LADWP.

PROPOSED WATER DEMAND

A Water Supply Assessment (Appendix 4) was prepared on April 17, 2025, for the Project by the City of Los Angeles Department of Water and Power. According to the assessment, the projected total net water demand increase for the Project is estimated to be 89-acre feet (AF) annually equating to 79,449 gallons per day (GPD) (approximately 55 GPM). The demand calculation accounts for the additional voluntary conservation measures estimated at approximately 4 AF per year.

Indoor water use demand for the Project was determined using Sewer Generation Factors (SGF) published by the City of Los Angeles Department of Public Works Bureau of Sanitation (LASAN) in 2012. Outdoor landscape water use demand for the Project was estimated per the California Code of Regulations Title 23 Division 2 Chapter 2.7 Model Water Efficient Landscape Ordinance. Additional conservation measures beyond the current water conservation ordinance will be considered.

As stated in the Water Supply Assessment, the additional water demand of 89 AF per year has been accounted for in the City's overall total demand projections in the LADWP 2020 UWMP using a service area-wide approach that does not rely on individual development demand. The LADWP 2020 UWMP utilized the Southern California Association of Government's RTP data that provide for more reliable water demand forecasts while considering changes in population, housing units and employment.

As stated in the Water Supply Assessment, it has been determined that the Project is consistent with the demographic forecasts for the city from the Southern California Association of Government' (SCAG)'s 2020 RTP/SCS. LADWP has determined that the Project's net annual water demand is included in the LADWP's 2020 Urban Water Management Plan (UWMP), which forecasts adequate water supplies to meet all projected water demands in the city through the year 2045. LADWP concludes that the projected net water demand of 89 AFY for this Project is accounted for in the LADWP's 2020 UMP 25-year water demand projections. LADWP has determined that it will be able to meet the projected net water demand of the Project as well as existing and planned future water demands within its service area.

SEWER

EXISTING SEWER INFRASTRUCTURE

According to NavigateLA, record information including as-built drawings and observed evidence, there are several existing sewer mains adjacent to and crossing through the Project Site and Development Area. Existing lateral and wye locations will need to be confirmed prior to final design. A map of existing sewer infrastructure from Navigate LA is included in **Exhibit 2**.

- Alameda Street – There is an existing 24" vitrified clay pipe (VCP) main line in Alameda Street with a Pipe ID# of 5161608951616105A. The City of Los Angeles sewer wye maps indicate that existing wye connections are available.
- 7th Street – There is an existing 10" VCP main line in 7th Street with a Pipe ID# of 5161602151616051A. The City of Los Angeles sewer wye maps indicate that existing wye connections are available.

PROPOSED SEWER INFRASTRUCTURE

A Sewer Capacity Availability Report (SCAR) application was submitted to discharge the Project sewer demand to the 24" VCP sewer main in Alameda Street. The purpose of the SCAR is for the City of Los Angeles to evaluate the existing public sewer systems to determine if adequate capacity is available to safely convey sewage from proposed development projects. A SCAR outlining the anticipated sewer demand was received on August 19, 2025, and is included in **Appendix 4**.

The SCAR analyzed the proposed uses and flows and is included in **Appendix 3**. This SCAR was approved on August 19, 2025, with ID# 74-7765-0825 and accompanied by a Will-Serve and is a part of **Appendix 4**. The SCAR approves a maximum allowable capacity of 1,011,079 GPD from the Project to the 24" VCP sewer main in Alameda Street. This is significantly higher than the 79,449 GPD determined by the WSA for water demand due to the inclusion of sewer ejectors intended for fire sprinkler system discharge and testing. Per the instruction of LABOE, the Project must assume each of the three sewer ejectors and their 209 GPM flows run all day, thus the 902,880 GPD for sewer ejectors included within the SCAR.

LABOE provided remarks on the SCAR for the developer. The developer must install and maintain private odor traps in the public ROW outside of the property line and before the main line that adhere to LABOE Standard Plan S-112 for the 24" connections on Alameda Street. LABOE shall confirm the connection method to the 24" VCP sewer main.

Flows from the proposed sewer ejectors shall be permitted only for fire suppression and emergency usage. An Industrial Waste Management Division (IWMD) Permit is required for the fire water discharge associated with the proposed sewer service laterals. The SCAR accounts for the proposed use of the Project and does not anticipate additional capacity is needed. Therefore, sufficient capacity exists in the sewer system after accounting for required water savings and taking into account water uses that do not directly discharge to the sanitary sewer system.

The connection size is estimated to be 6" for each of the 3 new buildings. Confirmation of the size of available sewer lateral connections will require approval from City of Los Angeles Department of Sanitation during design phase.

Kimley»Horn

APPENDIX 1
INFORMATION FOR FIRE FLOW AVAILABILITY (IFFA)

City of Los Angeles

Los Angeles Department of Water and Power - Water System

INFORMATION OF FIRE FLOW AVAILABILITY

Water Service Map No.: 122-213

LAFD Fire Flow Requirement: _____ LAFD Signature: _____

Date Signed: _____

Applicant: Jonathan Williamson

Company Name: Kimely-Horn and Associates, Inc.

Address: 25152 Springfield Court, Suite 200, Santa Clarita, CA 91355

Telephone: 213-328-6583

Email Address: Jonathan.Williamson@kimley-horn.com

	F- 8720	F- 16208	F- 16209
Location:	W Side of Alameda St, 38' S of 7th St	W Side of Alameda St, 287' S of 7th St	W Side of Alameda St, 122' N of Bay St
Distance from Neareast Pipe Location (feet):	5 feet	5 feet	5 feet
Hydrant Size:	4D	4D	4D
Water Main Size (in):	12-inch	12-inch	12-inch
Static Pressure (psi):	60 PSI	60 PSI	60 PSI
Residual Pressure (psi):	50 PSI	49 PSI	49 PSI
Flow at 20 psi (gpm):	1500 GPM	1500 GPM	1500 GPM

CYNTHIA TAYLOR
JUL 22 2025

NOTE: Data obtained from hydraulic analysis using peak hour.

Remarks: ECMR No. W2250724013

Water Purveyor: Los Angeles Department of Water & Power *Date:* 8/1/2025

Signtature: Paola Pinedo Leon *Title:* Civil Engineering Associate

Requests must be made by submitting this completed application, along with a $278.00 check payable to:

"Los Angeles Department of Water and Power", and mailed to:

Los Angeles Department of Water and Power
Distribution Engineering Section - Water
Attn: Business Arrangements
P.O. Box 51111 - Room 1425
Los Angeles, CA 90051-5700

*** If you have any questions, please contact us at (213) 367-2WNB or visit our web site at http://www.ladwp.com.**

Ricardo

Department Of Water & Power
City Of Los Angeles

Cash Memorandum Receipt

Receipt No. W20250724013

Water Revenue Fund

Office Issued By:	.WD 1425-RB	**Date:**	7/24/2025
Office Issued To:	Accounting BU	**Assigned To:**	RB
Amount:	TWO HUNDRED EIGHTY-TWO DOLLARS And 00/100 CENTS		
Received Of:	KIMLEY-HORN & ASSOC., INC.	**Telephone No.:**	(919) 677-2000
Collection Address:	421 FAYETTEVILLE ST STE 600 RALEIGH, NC 27601		
Comments:	IFFAR HYDRANTS F8720, F16208, F16209		

Fee Type	Size/other	Rate	Rate Per		Units		Amount	ID No. / Location / Map
Hydrant Work-County/LAUSD/State Flow Rept.	2 1/2" X 4" DBL	$282.00	SAR	x	1.00	=	$282.00	

Payment Method: Check **Payment Ref. No.:** 216865691 $282.00

Department Of Water & Power

Received By Cashier: _____ On: __/__/____ By: _____

Printed On: 7/24/2025

Internal Comments:

To check the status of your job, go to https://mywaterservice.waterapps.ladwp.com/
(Water Services ONLY)

Kimley»Horn

APPENDIX 2
SERVICE ADVISORY REQUEST (SAR)

City of Los Angeles

Los Angeles Department of Water and Power - Water System

SAR NUMBER 111781

Fire Service Pressure Flow Report

SERVICE NUMBER 647099

For: 777 S ALAMEDA ST A

Approved Date: 8-1-2025

Proposed Service 6 INCH off of the

12 inch main in ALAMEDA ST on the WEST side approximately

1000 feet SOUTH of SOUTH of 7TH ST The System maximum pressure is

61 psi based on street curb elevation of 246 feet above sea level at this location.

The distance from the DWP street main to the property line is 13 feet

System maximum pressure should be used only for determining class of piping and fittings.

Residual Flow/Pressure Table for water system street main at this location

Flow (gpm)	Press. (psi)	Flow (gpm)	Press. (psi)	Flow (gpm)	Press. (psi)
0	54				
965	53				
1400	52				

Meter Assembly Capacities

Domestic Meters	
1 inch =	56 gpm
1-1/2 inch =	96 gpm
2 inch =	160 gpm
3 inch =	220 gpm
4 inch =	400 gpm
6 inch =	700 gpm
8 inch =	1500 gpm
10 inch =	2500 gpm

Fire Service	
2 inch =	250 gpm
4 inch =	600 gpm
6 inch =	1400 gpm
8 inch =	2500 gpm
10 inch =	5000 gpm

FM Services	
8 inch =	2500 gpm
10 inch =	5000 gpm

These values are subject to change due to changes in system facilities or demands.

Notes: 6-inch fire service and 4-inch domestic combo service approved. SAR's 111781, 111782, 111742 ran separately per customer request.

This information will be sent to the Department of Building and Safety for plan checking.

This SAR is valid for one year from 08-01-25. Once the SAR expires, the applicant needs to re-apply and pay applicable processing fee.

For additional information contact the Water Distribution Services Section **CENTRAL (213) 367-1216**

PERLA PINEDA-LEON	PERLA PINEDA-LEON	124-213
Prepared by	**Approved by**	**Water Service Map**

City of Los Angeles

Los Angeles Department of Water and Power - Water System

SAR NUMBER **111782**

Fire Service Pressure Flow Report

SERVICE NUMBER **647100**

For: **777 S ALAMEDA ST B** Approved Date: **8-1-2025**

Proposed Service **6 INCH** off of the

12 inch main in **ALAMEDA ST** on the **WEST** side approximately

750 feet **SOUTH** of **SOUTH** of **7TH ST** The System maximum pressure is

61 psi based on street curb elevation of **246** feet above sea level at this location.

The distance from the DWP street main to the property line is **13** feet

System maximum pressure should be used only for determining class of piping and fittings.

Residual Flow/Pressure Table for water system street main at this location

Flow (gpm)	Press. (psi)	Flow (gpm)	Press. (psi)	Flow (gpm)	Press. (psi)
0	54				
965	53				
1400	52				

These values are subject to change due to changes in system facilities or demands.

Meter Assembly Capacities

Domestic Meters	
1 inch =	56 gpm
1-1/2 inch =	96 gpm
2 inch =	160 gpm
3 inch =	220 gpm
4 inch =	400 gpm
6 inch =	700 gpm
8 inch =	1500 gpm
10 inch =	2500 gpm

Fire Service	
2 inch =	250 gpm
4 inch =	600 gpm
6 inch =	1400 gpm
8 inch =	2500 gpm
10 inch =	5000 gpm

FM Services	
8 inch =	2500 gpm
10 inch =	5000 gpm

Notes: 6-inch fire service and 4-inch domestic combo service approved. SAR's 111781, 111782, 111742 ran separately per customer request.

This information will be sent to the Department of Building and Safety for plan checking.

This SAR is valid for one year from 08-01-25. Once the SAR expires, the applicant needs to re-apply and pay applicable processing fee.

For additional information contact the Water Distribution Services Section **CENTRAL (213) 367-1216**

PERLA PINEDA-LEON	PERLA PINEDA-LEON	124-213
Prepared by	**Approved by**	**Water Service Map**

City of Los Angeles

Los Angeles Department of Water and Power - Water System

SAR NUMBER **111742**

Fire Service Pressure Flow Report

SERVICE NUMBER **647101**

For: **777 S ALAMEDA ST C** Approved Date: **8-1-2025**

Proposed Service **6 INCH** off of the

12 inch main in **ALAMEDA ST** on the **WEST** side approximately

250 feet **SOUTH** of **SOUTH** of **7TH ST** The System maximum pressure is

61 psi based on street curb elevation of **246** feet above sea level at this location.

The distance from the DWP street main to the property line is **21** feet

System maximum pressure should be used only for determining class of piping and fittings.

Residual Flow/Pressure Table for water system street main at this location

Flow (gpm)	Press. (psi)	Flow (gpm)	Press. (psi)	Flow (gpm)	Press. (psi)
0	56				
775	55				
1125	54				
1400	53				

Meter Assembly Capacities

Domestic Meters	
1 inch =	56 gpm
1-1/2 inch =	96 gpm
2 inch =	160 gpm
3 inch =	220 gpm
4 inch =	400 gpm
6 inch =	700 gpm
8 inch =	1500 gpm
10 inch =	2500 gpm

Fire Service	
2 inch =	250 gpm
4 inch =	600 gpm
6 inch =	1400 gpm
8 inch =	2500 gpm
10 inch =	5000 gpm

FM Services	
8 inch =	2500 gpm
10 inch =	5000 gpm

These values are subject to change due to changes in system facilities or demands.

Notes: 6-inch fire service and 4-inch domestic combo service approved. SAR's 111781, 111782, 111742 ran separately per customer request.

This information will be sent to the Department of Building and Safety for plan checking.

This SAR is valid for one year from 08-01-25. Once the SAR expires, the applicant needs to re-apply and pay applicable processing fee.

For additional information contact the Water Distribution Services Section **CENTRAL (213) 367-1216**

PERLA PINEDA-LEON	PERLA PINEDA-LEON	124-213
Prepared by	**Approved by**	**Water Service Map**

Kimley»Horn

APPENDIX 3
WATER SUPPLY ASSESSMENT (WSA)

Water Supply Assessment

for The ROW DTLA Residential Project

Prepared by:

Water Resources Division

Prepared on

April 17, 2025

Table of Contents

Introduction 4
Findings 4
The ROW DTLA Residential Project Description 6
The ROW DTLA Residential Project Estimated Net Water Demand 7
Los Angeles Department of Water and Power – 2020 UWMP 10
Water Supplies 10
1.0 Los Angeles Aqueduct 11
2.0 Local Groundwater Supplies 12
3.0 Water Conservation 14
4.0 Stormwater Capture 15
5.0 Water Recycling 16
6.0 Metropolitan Water District of Southern California 17
7.0 Summary of Water Demand and Supply Projections for 20 years 18
Water System Financing Program 19
Conclusion 20

References

1. Upper Los Angeles River Area Watermaster Report for 2019/2020 (December 2021)
2. Los Angeles Department of Water and Power's 2020 Urban Water Management Plan
3. Metropolitan Water District of Southern California's 2020 Urban Water Management Water Plan
4. California Code of Regulations Title 23. Waters, Division 2. Department of Water Resources, Chapter 2.7. Model Water Efficient Landscape Ordinance
5. City of Los Angeles' Department of Public Works Bureau of Sanitation (LASAN) Sewer Generation Rates Table (2012)

Appendices

A. City of Los Angeles Department of City Planning letter, Request for Water Supply Assessment, received on February 25, 2025, and Scope Confirmation e-mail received on March 14, 2025

B. Voluntary Water Conservation Measures for The ROW DTLA Residential Project Letter

C. Project Location Map

D. Adjudicated Groundwater Basin Judgments

Introduction

A Water Supply Assessment (WSA) includes an analysis of the sufficiency of a public water system to meet a proposed development's anticipated water demand. Per California Water Code (CWC) Sections 10910-10915, a WSA is prepared for specified types of development projects subject to the California Environmental Quality Act (CEQA) by the public water system that supplies water to the proposed project. The water supplier will determine whether the projected water demand associated with the proposed project was accounted for in the water supplier's most recently adopted Urban Water Management Plan (UWMP) and that there is an adequate 20-year water supply. For the City of Los Angeles (City), the Los Angeles Department of Water and Power's (LADWP) 2020 UWMP serves as the City's master plan for reliable water supply and resources management consistent with the LADWP's goals and policy objectives.

The ROW DTLA Residential Project (Project) is a proposed development within the 2021-2029 Citywide Housing Element and the Updates to the Safety Element Plan for a Healthy LA, which does not require additional CEQA documentation. However, the City of Los Angeles Department of City Planning (Planning Department), serving as the CEQA lead agency for this Project, has requested LADWP, which is the public water system for this Project, to prepare a WSA on February 24, 2025. LADWP has performed the assessment contained herein.

This WSA is prepared to meet the applicable requirements of CWC Sections 10910-10915. Significant references and data for this WSA are from LADWP's 2020 UWMP, adopted by the Board of Water and Power Commissioners (Board) on May 25, 2021. LADWP's 2020 UWMP is incorporated by reference and is available through LADWP's website, www.ladwp.com/uwmp.

LADWP's 2020 UWMP details the department's plans to meet all of the City's current and 25-year projected water needs. LADWP is planning for projected water demands and variable hydrology through expansion of local water supply programs and reduction of purchased imported water. These local water supply programs include significant investments in local groundwater, recycled water, stormwater capture, and water conservation and water-use efficiency to diversify LADWP's water supply portfolio.

Findings

The proposed Project's projected net water demand is 89 acre-feet per year (AFY). This projected annual net water demand was calculated using information from the Project's scope of work provided by the Planning Department, and the net demand included additional voluntary water use efficiency measures that the Alameda Square Owner, LLC (Applicant) has committed to implement for the Project.

The basis for approving WSAs for projects is LADWP's most recently adopted UWMP. LADWP's 2020 UWMP contains LADWP's water demand forecast, which uses long-term demographic projections for population, housing, and employment to determine the total projected water supplies up to 2045 during normal, single-dry, and multiple dry-water years. The City's water demand projection in LADWP's 2020 UWMP was developed based on the 2020-2045 Regional Transportation Plan/Sustainable Communities Strategy (2020 RTP/SCS) demographic projection by the Southern California Association of Governments (SCAG). The

demographic projection was provided to LADWP from the Metropolitan Water District of Southern California (MWD), who collaborates with SCAG to aggregate demographic data for each of its 26 member agencies. LADWP's 2020 UWMP identified water supplies to meet projected water demands through 2045.

The Planning Department has indicated that the Project conforms with the use and intensity of development permitted by the City's General Plan. The Planning Department has also determined that the Project is consistent with the demographic projections for the City from the 2020 RTP/SCS. Based on the information provided by the Planning Department, the Project's anticipated net water demand is accounted for within LADWP's 2020 UWMP projected water supplies for normal, single-dry, and multiple-dry years through the year 2045. Therefore, the City's water supply projections in LADWP's 2020 UWMP are sufficient to meet the water demand for projects that are determined by the CEQA lead agency to be consistent with the 2020 RTP/SCS by SCAG. LADWP finds adequate water supplies will be available to meet the Project's net water demand of 89 AFY during normal, single-dry, and multiple-dry water years, in addition to the existing and planned future demands on LADWP.

This WSA evaluates and confirms that the City's long-term water supply is able to accommodate the Project. A subsequent WSA revision may be required if one or more of the following occurs:

1. Changes in the Project result in a substantial increase in net water demand for the Project
2. Changes in the circumstances or conditions substantially affecting the ability of LADWP to provide a sufficient supply of water for the Project
3. Significant new information becomes available which was not known and could not have been known at the time when WSA was prepared.

If deemed necessary, the Applicant may request a revised WSA through the Planning Department.

This WSA is also not an approval for a water service connection. A separate request shall be made to LADWP requesting an evaluation of water service connection for the Project. Also, this WSA is an informational document prepared for use in the Planning Department's environmental review of the Project under CEQA, and it assesses the adequacy of water supplies to serve the Project's existing and planned future water demands within LADWP's service area. Approval of this WSA is not equivalent to approval of the Project.

The ROW DTLA Residential Project Description

The following project information was obtained from the Planning Department's WSA Request Letter and the scope confirmation e-mail:

Project Name:	The ROW DTLA Residential Project
Lead Agency:	City of Los Angeles Department of City Planning
Community Plan:	Downtown

The Project will develop an approximately 4.84-acre project area, as shown in Figure 1, for both residential and commercial use. The project area is generally bounded by 7th Street to the north, Alameda Street to the east, Bay Street to the south, and existing commercial and industrial buildings to the west.



Source: Navigate LADWP

Figure 1: Project Location Map

The project area is surface parking lots, which will be demolished. The surface parking lots do not have an existing water usage.

The proposed Project is a mixed-use development of three new eight-story mixed-use buildings with a total floor area of 884,247 square feet (sf). The Project will contain the following uses:

- Multi-family dwellings with a total of 1,000 dwelling units
- residential amenities include lounges, gym, outdoor recreation, office, and pool and spa
- 6,547 sf of restaurant space
- covered parking
- landscaping

The ROW DTLA Residential Project Estimated Net Water Demand

The projected net water demand for the Project is estimated to be 89 AFY, which accounts for the additional voluntary conservation measures estimated at approximately 4 AFY.

In evaluating the Project's net water demand, the Sewer Generation Factors (SGF), published by the City of Los Angeles Department of Public Works Bureau of Sanitation (LASAN) in 2012, are applied to the Project's scope of work in order to calculate the indoor water use. SGFs are factors of the amount of wastewater generated (gallons per day) per unit of use (sf, dwelling unit, seat, etc.). LASAN publishes a list of SGFs for approximately 175 different building use types in the City. Outdoor landscape water demand is estimated using the California Code of Regulations Title 23 Division 2 Chapter 2.7 Model Water Efficient Landscape Ordinance. LADWP also encouraged the Applicant to implement additional water conservation measures above and beyond the current water conservation ordinance requirements in order to reduce the Project's net water demand. For the Project, the Applicant has committed to additional voluntary conservation estimated at approximately 4 AFY.

The net water demand, which is the projected additional water demand of the Project, is estimated by subtracting the existing water demand and the additional voluntary water conservation amount from the total projected water demand.

Table I shows a breakdown of the existing and proposed types of use for the Project, and the corresponding estimated water demands inclusive of the required and voluntary conservation measures for this Project. Types of use were derived from the WSA Request Letter and the scope confirmation e-mail, which are both located in Appendix A.

Table II shows an estimation of the total volume of additional voluntary water conservation based on conservation measures the Applicant had committed to in their Voluntary Water Conservation Measures Letter, which are attached as Appendix B.

TABLE I
The ROW DTLA Residential Project
Estimated Net Water Demand

Existing Use to be Removed[1]	Quantity	Unit			Existing Water Use to be Removed (gpd)	(af/y)
Surface Parking Lots[2]	209,373	sf				
Existing to be Removed Total	**209,373**	**sf**			**0**	**0.00**

Proposed Use[1]	Quantity	Unit	Water Use Factor[3] (gpd/unit)	Base Demand (gpd)	Required Ordinances Water Savings[4] (gpd)	Projected Water Demand (gpd)	(af/y)
Residential Apartment: Studio	516	du	75.00	38,700			
Residential Apartment: 1 bdr	402	du	110.00	44,220			
Residential Apartment: 2 bdr	82	du	150.00	12,300			
Base Demand Adjustment[5]				10,236			
Residential Units Total	**1,000**	**du**		**105,456**	29,034	**76,422**	**85.61**
Residential Lounge	12,230	sf	0.05	612			
Leasing Office	600	sf	0.12	72			
Gym	1,500	sf	0.65	975			
Outdoor Kitchen/Dining	1,200	sf	0.13	154			
Full-Service Restaurant (6,547 sf)[6]	219	seat	30.00	6,570			
Residential Amenities and Commercial Total				**8,383**	3,954	**4,429**	**4.96**
Landscaping, Pool, and Spa[7]	**51,566**	**sf**		**4,744**	2,251	**2,493**	**2.79**
Covered Parking[8]	**374,945**	**sf**	0.02	**247**	0	**247**	**0.28**
			Proposed Subtotal	**118,830**	**35,239**	**83,591**	**93.64**
					Less Existing to be Removed Total	0	0.00
					Less Additional Conservation[9]	-3,960	-4.44
					Net Water Demand	**79,631** gpd	**89** af/y

[1] Provided by City of Los Angeles Department of City Planning in the Request for Water Supply Assessment letter and Scope Confirmation e-mail. See Appendix A. Proposed uses that do not have a water demand are not shown here.

[2] The project area is an existing surface parking which will be demolished.

[3] Indoor water uses are based on 2012 City of Los Angeles Department of Public Works, Bureau of Sanitation Sewer Generation Rates table available at https://lengpermitmanual.lacity.org/sewer-s-permits/technical-procedures/sewage-generation-factors-chart

[4] Water savings for plumbing fixtures and appliances due to current codes

[5] Base Demand Adjustment is the estimated savings due to Ordinance No. 180822 accounted for in the current version of Bureau of Sanitation Sewer Generation Rates.

[6] The Project includes a 6,547 sf commercial space. To estimate a conservative water demand, the space is assumed to be a Full-Service Restaurant.

[7] Landscaping water use is estimated per California Code of Regulations Title 23. Division 2. Chapter 2.7. Model Water Efficient Landscape Ordinance.

[8] Covered parking water uses are based on City of Los Angeles Department of Public Works, Bureau of Sanitation Sewer Generation Rates table, and 12 times/year cleaning assumption.

[9] Water conservation due to additional conservation measures to be incorporated by the Applicant. See Table II.

Abbreviations:

af/y - acre feet per year bdr - bedroom du - dwelling unit gpd - gallons per day sf- square feet

TABLE II
The ROW DTLA Residential Project
Estimated Additional Water Conservation

Conservation Measures[1]	Quantity[2]	Units	Water Saving Factor[3] (gpd/unit)	Water Saved (gpd)	Water Saved (af/y)
Toilet - Residential Apartment: Studio - 1.1 gpf, in lieu of 1.28 gpf	516	du	0.99	511	
Toilet - Residential Apartment: 1 bdr - 1.1 gpf, in lieu of 1.28 gpf	402	du	0.99	398	
Toilet - Residential Apartment: 2 bdr - 1.1 gpf, in lieu of 1.28 gpf	82	du	2.48	203	
Showerhead - Residential Apartment: Studio - 1.5 gpm, in lieu of 1.8 gpm	516	du	1.59	820	
Showerhead - Residential Apartment: 1 bdr - 1.5 gpm, in lieu of 1.8 gpm	402	du	1.59	639	
Showerhead - Residential Apartment: 2 bdr - 1.5 gpm, in lieu of 1.8 gpm	82	du	3.98	326	
Clothes Washer - IWF of 3.0, in lieu of 3.2, capacity greater than 2.5 cf	1,000	du	0.52	520	
Residential Units Total				**3,417**	**3.83**
Toilet - 1.1 gpf, in lieu of 1.28 gpf	42	ea	3.92	164	
Showerhead - 1.5 gpm, in lieu of 1.8 gpm	4	ea	7.50	30	
Residential Amenities and Commercial Total				**194**	**0.22**
Landscaping Total Conservation[4]				**349**	**0.39**
Total Additional Water Conserved =				**3,960**	**4.44**

[1] Water conservation measures agreed to by the Applicant. See Appendix B.

[2] Plumbing fixture quantities were provided by the Applicant.

[3] Based on LADWP estimates.

[4] Landscaping water conservation is estimated per California Code of Regulations Title 23. Division 2. Chapter 2.7. Model Water Efficient Landscape Ordinance.

Abbreviations: af/y - acre feet per year; bdr - bedroom; cf - cubic feet; du - dwelling unit; ea – each; gpd - gallons per day; gpf - gallons per flush; gpm – gallons per minute; IWF - Integrated Water Factor

Los Angeles Department of Water and Power – 2020 UWMP

The California Urban Water Management Planning Act (first effective on January 1, 1984) requires every urban water supplier prepare and adopt a UWMP every five years in compliance with state guidelines and requirements. The main goals of UWMPs are to forecast future water demands and water supplies under average and dry hydrologic conditions, identify future water supply projects, and provide a reliability assessment under average, single dry year, and multi-dry years, and assess near term drought risk management.[1]

Water Supplies

The Los Angeles Aqueducts (LAA), local groundwater, purchased water from MWD, and recycled water are the primary sources of water supplies for the City. Table III shows LADWP water supplies from Fiscal Year Ending (FYE) 2020 to FYE 2024 from these sources.

Table III
LADWP Water Supply

Fiscal Year Ending	Los Angeles Aqueducts (AF)	Local Groundwater (AF)	MWD (AF)	Recycled Water (AF)	Transfer, Spread, Spills, and Storage (AF)	Total (AF)
2020	292,095	34,363	152,647	9,641	1,155	487,591
2021	128,268	51,070	316,627	11,455	-938	508,359
2022	69,183	53,057	366,690	12,022	208	500,743
2023	184,320	28,170	219,406	9,428	468	440,855
2024	291,098	6,521	140,497	10,030	-212	448,358

Note: Units are in area-feet (AF).

[1] *City of Los Angeles Department of Water and Power 2020 Urban Water Management Plan.*

1.0 Los Angeles Aqueduct

The City receives surface water and groundwater from the Eastern Sierra through the Los Angeles Aqueduct (LAA). LADWP constructed the first LAA in 1913 to convey water from the Eastern Sierra to the City. In 1940, the LAA was extended 40 miles north from the Owens River to the Mono Basin. To meet additional water demands from the City, a second barrel of the LAA was constructed and completed in 1970. The second LAA increased the City's capacity to deliver water from the Eastern Sierra from 485 cubic feet per second (cfs) to 775 cfs. The value of the City's historical investment in the LAA system is substantial because the City has benefited from the LAA's delivery of high-quality, cost-effective water supplies from the Eastern Sierra for over a century.

The City's water rights in the Eastern Sierra are comprised of riparian rights, pre-1914 appropriations, and post-1914 appropriation licenses held on various streams in the Mono Basin and Owens Valley. The most significant basis for export of surface water from the Eastern Sierra is an appropriation claim in 1905 to divert up to 50,000 miner's inches (1,250 cfs) from the Owens River. Up to 16,000 AFY can be supplied from Mono Basin, which is permitted by the 1994 Mono Lake Basin Water Right Decision 1631. Decision 1631 set a limit on LADWP water exports from the Mono Basin, which were set to a range of 0 to 16,000 AFY based on Mono Lake's water elevation. Aside from the primary surface water rights, the groundwater right in the Owens Valley is managed under the 1991 Long Term Water Agreement (LTWA) and uses vegetation water demand and available soil moisture to determine whether groundwater wells can be pumped. Since 1991, the average annual pumping from Owens Valley wellfields has been less than 75,000 AFY compared to on average 107,000 AFY from 1974 to 1990.

Annual water deliveries from the LAA to the City are impacted by hydrologic variability in the Eastern Sierra and water set aside for environmental projects. At its peak in fiscal year ending (FYE) 1984, the LAA delivered 531,729 AF to the City. Concerns over environmental impacts have required the City to reallocate approximately one-half of the LAA water supply to other uses within the Owens Valley and Mono Basin, such as environmental enhancement and mitigation projects and uses. The expected annual long term LAA delivery from 2020 to 2045 will range from approximately 184,200 AFY to 192,000 AFY for average hydrologic conditions.

The primary reliance on LAA supply with impacts due to natural variability and water set aside for environmental projects is not sufficient to meet the City's annual water demands; therefore, LADWP has implemented, and continues to increase, stormwater capture, local groundwater, water conservation, water use efficiency, and water recycling programs to diversify LADWP's local water supplies. Additionally, LADWP can purchase supplemental imported water from MWD to meet the City's remaining water demands.

For additional information, refer to Chapter 4 "Los Angeles Aqueduct System" of LADWP's 2020 UWMP.

2.0 Local Groundwater Supplies

Local groundwater provided approximately 7 percent of City's total water supply from FYE 2020 to FYE 2024. This amount declined considerably since 1970 when local groundwater provided up to 23 percent of the total water supply during extended dry periods. In recent years, contamination issues have impacted LADWP's ability to fully utilize its local groundwater entitlements and supplies. In response to this issue and to address the hydrologic variability impacts to imported water supplies, LADWP has a focus on sustainable management of its local groundwater basins. LADWP continues to invest in stormwater capture projects as well as advanced water purification systems to produce advanced treated recycled water for groundwater replenishment. Furthermore, LADWP has, and will continue to, conjunctively use the groundwater basin within the City to store available LAA flows in wet years as future supply during dry periods.

The City's total adjudicated water rights are approximately 109,809 AFY, which are located within the San Fernando Basin (SFB), Sylmar Basin, Central Basin, and West Coast Basin. There are additional groundwater basins near and within the Los Angeles area, such as the unadjudicated Hollywood, Santa Monica, and northern Central Basins that may provide additional groundwater supplies for the City.

The SFB is the primary source of local groundwater for the City. It is located in the Upper Los Angeles River Area (ULARA) and spans 112,000 acres. The ULARA encompasses the San Fernando, Sylmar, Verdugo and Eagle Rock Basins. It is managed by a court-appointed Watermaster and administrative committee that oversees the operation of groundwater system and report the groundwater elevations and water quality. The City's average SFB groundwater rights is approximately 87,000 AFY. LADWP is implementing its SFB Groundwater Remediation Program to help restore the access to SFB as a drinking water source and groundwater storage. The SFB groundwater remediation facilities are expected to be complete and operational in 2025.

LADWP also receives SFB water through the Los Angeles-Burbank Interim Interconnection Pipeline. In 2015, the City of Los Angeles and the City of Burbank entered into an agreement to construct and operate the Los Angeles-Burbank Interim Interconnection and began delivery of a minimum of 500 AF of blended water in August 2019. The blended water consists of SFB groundwater treated at the Burbank Operable Unit and Metropolitan Water District of Southern California imported water supply. This connection began service in August 2019 and will operate until early 2029.

The Central Basin is another source of groundwater supply for the City. The Central Basin Watermaster oversees this area that is located in the southeastern part of the Los Angeles Coastal Plan in Los Angeles County. The City has approximately 17,236 AFY of groundwater rights in this basin. LADWP is implementing the Manhattan and 99th St. Wellfield Improvement Projects to address several issues such as water quality matters, deteriorating groundwater pumps, and necessary upgrades. These projects are expected to be completed in 2025.

Besides the SFB and Central Basin, the City holds water rights in the following local groundwater basins:

1. The Sylmar Basin is an adjudicated basin within the ULARA that provides 3,570 AF of annual groundwater rights.
2. The Eagle Rock Basin is an adjudicated basin within the ULARA that provides 500 AF of annual groundwater rights. Although the City has the right to produce groundwater from the Eagle Rock Basin, there are no current plans to establish groundwater production facilities here.
3. The West Coast Basin is managed by the West Coast Basin Watermaster and is located in the southwestern part of the Los Angeles Coastal Plain in Los Angeles County. The City has the right to pump 1,503 AF per year. In 2014, the West Coast Basin Judgment was amended to increase certain parties', like LADWP's, pumping capacity to 5,000 AFY of unused West Coast Basin rights out of the Central Basin. This basin has known groundwater quality problems; therefore, LADWP has discontinued use of West Coast Basin facilities in 1980 until further studies are completed to restore groundwater pumping.

Groundwater supplies from the San Fernando, Sylmar, and Central Basins serving the City for the last available five years are shown in Table IV.

Table IV
Historical Local Groundwater Production by Basin

Fiscal Year (July-June)	San Fernando (AF)	Sylmar (AF)	Central (AF)
2019-2020	35,949	2*	10*
2020-2021	53,625	1,368*	2,247
2021-2022	48,408	3,018	4,562
2022-2023	24,804	1,858	3,298
2023-2024	6,318	7*	17*

*Small quantities pumped from Sylmar and Central Basin were for water quality testing purposes, not as water supply

LADWP also has groundwater rights outside the of City. There are 3,975 AF of groundwater rights in the Antelope Valley Groundwater Basin. This basin only allows the native water rights to be used locally within the Antelope Valley; however, LADWP would have the ability to store water it imports into the basin for future export. LADWP would be able to recover imported and stored water for export to the City at times when it is necessary to manage seasonal peak demands or augment supplies during dry periods, emergencies, or natural disasters.

The Central and West Los Angeles areas of the City overlie the unadjudicated groundwater basins of Hollywood Basin, Santa Monica Basin, and the northerly portion of the unadjudicated Central Basin. For the Santa Monia Basin, LADWP and four other local agencies have formed the Santa Monica Basin Sustainability Agency to create a Groundwater Sustainability Plan that was approved by the Department of Water Resources in October 2023. LADWP is considering and exploring opportunities to develop groundwater resources in a manner that is locally sustainable and in cooperation with its regional partners to increase the City's use of local resources for all these other groundwater basins.

For additional information, refer to Chapter 5 "Local Groundwater" of LADWP's 2020 UWMP.

3.0 Water Conservation

Water conservation and water use efficiency have significant beneficial effects on the City's water use patterns to reduce water demands. Water conservation has become a permanent part of LADWP's water resources management philosophy. The City's total water usage today is about the same as fifty years ago despite a significant increase in population of over one million people, reflecting the success and importance of the City's water conservation and water use efficiency strategies. Conservation will continue to be an important part of maintaining long term water supply reliability and is a key component of LADWP's goals to reduce potable water use per capita by 22.5 percent in 2025 and 25 percent by 2035.

LADWP has developed many progressive water conservation and water use efficiency programs in conjunction with state and local conservation ordinances and plumbing codes. The 2018 State bills, Assembly Bill 1668 and Senate Bill 606, are being incorporated into the water supply planning process to ensure that the standards are met in the future. Since inception of LADWP's conservation program, the estimated cumulative annual active savings are over 150,000 AF as of FYE 2020. Additional passive water conservation savings are achieved because of plumbing code mandates, local conservation ordinances, and changes in customer behavior due to outreach and educational programs.

Since 1988, the City has utilized ordinances as a tool to reduce water waste, beginning with the adoption of its first version of a plumbing retrofit ordinance. The applicable ordinances are, but not limited to: 2009 City's "High Efficiency Plumbing Fixture", 2016 Citywide Water Efficiency Standards Ordinance, the 2016 Emergency Water Conservation Plan, and the 2025 Model Water Efficient Landscape Ordinance (MWELO). The conservation ordinances were developed for the City to implement water demand management measures in case of a water supply shortage and to respond to ongoing dry conditions. For a full list of conservation ordinances prohibited water uses for various levels, please refer to LADWP's 2020 UWMP.

LADWP also achieves and maintains water use reductions through the application of tiered volumetric water rates. Since 1993, LADWP has used an ascending tier water rate structure that is entirely volumetric based pricing. LADWP's tiered volume water rates, which were last amended by the City's Water Rate Ordinance (Ordinance No. 184130) effective April 15, 2016, incorporate and further reinforce foundational water conservation and water use efficiency.

LADWP offers customer rebates and incentives to promote the installation of water-efficient fixtures and appliances. The rebates and incentives are administered through MWD's SoCal Water$mart Program. This program delivers uniform rebate amounts across the MWD service area to all MWD member agencies like LADWP. LADWP takes full advantage of regional programs for many product rebates offered through MWD for the residential and Commercial, Industrial, and Institutional (CII) sector, and adds supplemental funding to increase the rebate incentives provided for LADWP customers for many qualifying products. Also, since 1992, LADWP has continued the Technical Assistance Program to promote innovative solutions to conserve water. The program provides customized incentives for retrofitting water-intensive equipment in the CII and multi-family customer sectors.

LADWP plans its future water conservation programs, focusing on obtaining additional active and passive water savings in the water end uses that have the most non-conserving devices still remaining for each of the customer sectors. LADWP has launched and/or is developing the following programs:

- CalConserve Loan Program
- Flume Direct Distribution program for Single-Family Residential Customers
- My Water Insights Program: Home water use reports for single-family residential customers

LADWP actively monitors the gallon per capita per day water use metric, particularly in the context of all existing and new standards to ensure that target reductions are met in the future. Additional information on water conservation programs can be found in Chapter 3 "Water Conservation" of LADWP's 2020 UWMP and at www.ladwp.com/uwmp.

4.0 Stormwater Capture

Stormwater runoff from urban areas is an underutilized local water resource. Within the City, the majority of stormwater runoff is directed to storm drains and ultimately channeled into the ocean. In addition, local groundwater aquifers that are historically replenished by stormwater are receiving less recharge because of increased urbanization. Urbanization has increased the City's hardscape with impermeable surface, which has resulted in less infiltration of stormwater and a decline in groundwater elevations. In response, LADWP completed a Stormwater Capture Master Plan in 2015 to evaluate stormwater capture potential within the City. Stormwater capture can be achieved by increasing infiltration into groundwater basins and by onsite capture and reuse for landscape irrigation (i.e., direct use). The City's total baseline amount of stormwater captured is 64,000 AF per year based on the 2015 Stormwater Capture Master Plan. Under LADWP's current implementation strategy, the total estimated stormwater capture capacity is projected to increase to 150,000 AFY by 2035.

LADWP utilizes various strategies to respond to hydrologic variability to maintain supply reliability. One of the strategies, known as conjunctive use, is storing supplies when available to mitigate the impacts of water shortages during future dry periods. Since the 1930's, LADWP has recognized the greater operational flexibility provided by a conjunctive use storage program. LADWP has operated its groundwater resources conjunctively by reducing groundwater pumping and diverting available water from the LAA into the Tujunga and Pacoima Spreading Grounds for groundwater augmentation. Another strategy is to capture large stormwater flows through the centralized stormwater capture projects for recharge. The captured stormwater is a major source for replenishing groundwater through spreading basins where it is infiltrated into underlying groundwater aquifers. Groundwater recharge helps address the overall long-term decline in groundwater basin elevations, protect the safe yield of the groundwater basin, and ensure the long-term water supply reliability. The 2020 UWMP projects that by 2045 there may be 15,000 AFY of increased groundwater pumping in the SFB due to increased groundwater recharge from centralized stormwater capture project implementation. Anticipating that stored groundwater will rebound in response to enhanced groundwater recharge, LADWP will work with the ULARA Watermaster to continue observing actual basin elevations and re-evaluate basin safe yield to allow additional increases in groundwater production over time as SFB elevations rebound.

Flood control facilities are the primary means to divert stormwater into the spreading basin facilities. LADWP coordinates stormwater capture related activities, such as collection and delivery of large stormwater runoff to spreading basins, with the Los Angeles County Flood

Control District to effectively recharge the SFB. Completed in November 2021, the Tujunga Spreading Grounds Enhancement Project increased stormwater capture capacity.

LADWP's Stormwater Capture Parks Program (Parks Program) has identified nine City parks suitable for centralized stormwater capture projects. The primary objective of the Parks Program is to recharge the SFB by capturing and diverting stormwater from local storm drain and channel. The anticipated Parks Program stormwater capture capacity is 3,088 AFY. The Parks Program also provides multiple benefits, such as improvements to the Los Angeles River water quality, reducing localized flooding, raising public awareness, and providing public open space enhancements.

While centralized stormwater capture plays a key role in groundwater recharge in the City, space constraints limit opportunities for new large centralized facilities, and the City also uses distributed stormwater capture projects. Distributed stormwater capture includes stormwater management Best Management practices that utilize vegetation, soils, and natural processes to manage stormwater runoff close to the source. Distributed facilities also aim to conserve water by capturing stormwater for uses that reduce potable water demand.

For additional information, refer to Chapter 6 "Watershed Management" of LADWP's 2020 UWMP.

5.0 Water Recycling

As early as 1960, the City recognized the potential for water recycling and invested in infrastructure that produced recycled water of tertiary quality, a higher treatment standard for wastewater, to be utilized for non-potable reuse to offset potable demands. In 1979, LADWP began delivering tertiary quality recycled water to the City's Department of Recreation and Parks for irrigation in Griffith Park. Today, LADWP serves recycled water for irrigation, industrial, and environmental beneficial non-potable uses. The quantities of recycled water delivered by LADWP to our customers in the prior years are shown in Table III.

LADWP is committed to maximizing the use of recycled water in the City's water supply portfolio. Expansion of recycled water use to offset potable demands has been recognized as one method that will help LADWP achieve its local water supply development goal. LADWP is working in conjunction with LASAN to develop non-potable reuse projects for irrigation and industrial uses. In addition, the City is pursuing a groundwater replenishment project to replenish the San Fernando Groundwater Basin with advanced treated recycled water. LADWP's recycled water use is projected to increase to 67,600 AFY through FYE 2045, which is inclusive of planned municipal/industrial use, indirect potable reuse (groundwater replenishment), and environmental reuse.

For additional information, refer to Chapter 7 "Recycled Water" of LADWP's 2020 UWMP.

6.0 Metropolitan Water District of Southern California

MWD is the largest water wholesaler for supplemental water in Southern California. As one of the twenty-six member agencies of MWD, the City, through LADWP, purchases water from MWD to supplement its water supplies. Between FYE 2020 to FYE 2024, LADWP purchased on average 239,173 AFY from MWD or approximately 50 percent of the City's average total annual water supply.

MWD imports water from two principal sources: the Sacramento-San Joaquin Delta via the California State Water Project (SWP) and the Colorado River via the Colorado River Aqueduct (CRA). MWD also manages and owns in-basin surface storage facilities, stores groundwater within the basin via contracts, engages in groundwater storage outside the basin, and conducts water transfers to provide additional supplies for its member agencies. All member agencies have preferential rights to purchase water from MWD, pursuant to Section 135 of MWD Act. As of FYE 2024, LADWP has a preferential right to purchase 17.40 percent of MWD's total water supply.

MWD is a contractor for imported water from Northern California through the SWP. MWD holds a contract for 1.912 million acre-feet (MAF) per year, or 46 percent of the total contracted amount of the 4.173 MAF ultimate delivery capacity of the SWP. However, this amount varies annually due to many factors. Department of Water Resources (DWR) annually approves the amount of contract allocations SWP receives, which is shown in DWR's "Table A."

MWD owns and operates the CRA. Since 1942, the CRA has delivered water from the Colorado River to Southern California. The Colorado River supplies come from watersheds of the Upper Colorado River Basin in the states of Colorado, Utah, and Wyoming. Under a permanent service contract with the U.S. Secretary of the Interior, MWD is entitled to receive water from the Colorado River and its tributaries. California is apportioned 4.4 MAF, annually, plus one-half of any surplus that may be available for use, collectively, in Arizona, California, and Nevada. Of the California apportionment, MWD holds the fourth priority right to 550,000 AFY under the 1931 priority system governing allotments to California. Beyond the basic apportionment, MWD holds a fifth priority right to 662,000 AF of water.

MWD has been developing plans and making efforts to provide additional water supply reliability for the entire Southern California region. LADWP coordinates closely with MWD to ensure implementation of these water resource development plans. MWD's actions have been focused on the following: continuing water conservation, developing water supply management programs, developing storage programs related to the SWP and the Colorado River, developing storage and groundwater management programs within the Southern California region, increasing water recycling, groundwater recovery, stormwater, and seawater desalination and pursuing long-term solutions for the ecosystem, regulatory and water supply issues in the California Bay-Delta.

MWD's water reliability assessments are presented in MWD's 2020 UWMP, which can be found at the following link:

MWDSC 2020 Urban Water Management Plan - June 2021 WUE Portal.pdf

7.0 Summary of Water Demand and Supply Projections for 20 years

LADWP's 2020 UWMP projects total yearly water demand to reach up to 710,500 AF by FYE 2045 with existing water conservation prior to FYE 2014 already subtracted from projected demands, and with new water conservation savings achieved included as a supply source. Demographic data from 2020 SCAG RTP/SCS for LADWP's service area, as well as billing data for each major customer class, price of water, median household income, household size, economy, and dry period conservation effect were factors used in forecasting future water demands. Further details on LADWP's water demand forecast methodology can be found in Chapter 2 "Water Demand" of LADWP's 2020 UWMP. Table V tabulates the service reliability assessment for average weather year.

Table V
Service Area Reliability Assessment for Average Weather Year

Demand and Supply Projections (in acre-feet)	Average Year Fiscal Year Ending (FYE) on June 30				
	2025	2030	2035	2040	2045
Total Water Demand[1]	**642,600**	**660,200**	**678,800**	**697,800**	**710,500**
Post-Conservation Demand	**509,500**	**526,700**	**536,100**	**554,500**	**565,800**
Existing / Planned Supplies					
Conservation (Additional Active[2] and Passive[3] after FYE 14)	133,100	133,500	142,700	143,300	144,700
Los Angeles Aqueduct[4]	190,400	188,900	187,300	185,800	184,200
Groundwater					
- Entitlements[5]	109,400	109,400	109,400	108,800	108,800
- Groundwater Replenishment	7,000	11,000	11,000	11,000	11,000
- Stormwater Recharge (Increased Pumping)	4,000	8,000	15,000	15,000	15,000
Recycled Water- Irrigation and Industrial Use	17,300	29,200	29,700	29,800	30,000
Subtotal	461,200	480,000	495,100	493,700	493,700
MWD Water Purchases					
With Existing/Planned Supplies	181,400	180,200	183,700	204,100	216,800
Total Supplies	**642,600**	**660,200**	**678,800**	**697,800**	**710,500**

[1] Total Demand with existing passive conservation prior to FYE 14
[2] Cumulative hardware savings since late 1980s reached 110,822 AFY by FYE 14
[3] Additional non-hardware conservation inclusive of retained passive savings from the dry period ending in 2017
[4] Los Angeles Aqueduct supply is estimated to decrease 0.1652 percent per year due to climate impacts.
[5] LADWP Groundwater Remediation projects in the San Fernando Basin are expected to be in operation in 2025. Sylmar Basin production will increase to 4,170 AFY from FYE 2021 to 2036 to avoid the expiration of stored water credits, then revert to entitlement amounts of 3,570 AFY in 2037.

Service area reliability assessments for single-dry year and multiple-dry year conditions are shown in LADWP 2020 UWMP Exhibits 11F through 11G. Demands are met by the available supplies under all scenarios.

Water System Financing Program

Capital costs to finance facilities for the production and delivery of water supply to LADWP's service area are supported through customer-billed water rates. The Board sets rates subject to approval of City Council by ordinance. The Board is obligated by City Charter to establish water rates and collect charges in an amount sufficient to service the water system indebtedness and to meet its expenses for operation and maintenance.

The current water rates and its structures provide for modest rate increases each year over a five-year period for infrastructure improvements, meeting regulatory water quality requirements, and expanding the local water supply, which includes recycled water, stormwater capture, conservation, water efficiency, and groundwater remediation. LADWP's volumetric water rates incorporate and further reinforce foundational water conservation, water use efficiency, and financial principles. For example, the current water rate structure contains four tiers for single-family residential customers. The four tiers structure provides a first-tier indoor water use base allocation, a second-tier allocation based on California Friendly Landscaping efficient outdoor use, a third-tier allocation capturing high outdoor water use, and a fourth-tier allocation for excessive use. In keeping with cost-of-service principles, the incremental pricing for the tiers is based on the cost of water supply.

In addition, LADWP seeks a combination of the following external funding sources:

- MWD – Currently provides funding through their Local Resources Program for the development of local water supplies such as water recycling and groundwater recovery.
- Grants and loans – LADWP continues to proactively seek government funding to offset potential impacts to ratepayers. Local funds, such as the Measure W's "Safe, Clean Water Program," provide funding for stormwater capture projects. State funds, such as Propositions 1, 50, and 84, provide funding for water recycling, groundwater, conservation and stormwater capture projects. And Federal funds, such as the Water Resource Development Act and the US Bureau of Reclamation's Title XVI program, provide funding for water recycling projects.

Conclusion

The proposed Project's net annual water demand is estimated to be 89 AF. This annual net water demand has been accounted for in the City's overall total demand projections in the LADWP's 2020 UWMP using a service area-wide approach that does not rely on individual development demand. The LADWP's 2020 UWMP utilized SCAG's 2020 RTP/SCS data for water demand forecasts, considering changes in population, housing units, and employment.

Based on the Planning Department's determination that the Project is consistent with the demographic forecasts for the City from the SCAG's 2020 RTP/SCS, LADWP has determined that the Project's net annual water demand is included in the LADWP's 2020 UWMP, which forecasts adequate water supplies to meet all projected water demands in the City through the year 2045. LADWP concludes that the projected net water demand of 89 AFY for this Project is accounted for in the LADWP's 2020 UWMP 25-year water demand projections. LADWP has determined that it will be able to meet the projected net water demand of the Project as well as existing and planned future water demands within its service area.

This WSA evaluates and confirms that the City's long-term water supply would be able to accommodate the Project. The WSA is not an approval for a water service connection. A separate request shall be made to LADWP requesting an evaluation of water service connection for the Project.

Kimley»Horn

APPENDIX 4
SEWER CAPACITY AVAILABILITY REQUEST (SCAR)

City of Los Angeles
Bureau of Engineering

Sewer Capacity Availability Request (SCAR)

To: Bureau of Sanitation
The following request is submitted to you on behalf of the applicant requesting to connect to the public sewer system. Please verify that the capacity exists at the requested location for the proposed developments shown below. The results are good for 180 days from the date the sewer capacity approval from the Bureau of Sanitation. Lateral connection of development shall adhere to Bureau of Engineering Sewer Design Manual Section F 480. **If not listed in the Proposed Facility Description section of the SCAR, sewer ejector use is prohibited.**

Job Address:	**777 S Alameda St**	Sanitation Scar ID:	**74-7765-0825**
Date Submitted	06/21/2025	Request Will Serve Letter?	Yes
BOE District:	Central District		
Applicant:	Jonathan Williamson		
Address:	25152 Springfield Court Suite 2050	City :	Santa Clarita
State:	CA	Zip:	91355
Phone:	2132614040	Fax:	
Email:	jonathan.williamson@kimley-horn.com	BPA No.	
S-Map:	516	Wye Map:	123A-213-B

SIMM Map - Maintenance Hole Locations

No.	Street Name	U/S MH	D/S MH	Diam. (in)	Approved Flow %	Notes
1	Alameda St	51616051	51616067	24	33.00	
2	Alameda St	51616067	51616089	24	34.00	
3	Alameda St	51616089	51616105	24	33.00	

Proposed Facility Description

No.	Proposed Use Description	Sewage Generation (GPD)	Unit	Qty	GPD
1	RESIDENTIAL: APT - BACHELOR	75	DU	516	38,700
2	RESIDENTIAL: APT - 1 BDRM. *6	110	DU	402	44,220
3	RESIDENTIAL: APT - 2 BDRMS *6	150	DU	82	12,300
4	LOUNGE *1	50	KGSF	12,230	612
5	OFFICE BUILDING	120	KGSF	600	72
6	HEALTH CLUB/SPA *10	650	KGSF	1,500	975
7	SWIMMING POOL (COMMERCIAL WITH BACKWASH FILTERS)		GPD	4,744	4,744
8	SEWER EJECTOR		GPD	902,880	902,880
9	RESTAURANT: FULL SERVICE INDOOR SEAT	30	SEAT	219	6,570
				Proposed Total Flow (gpd):	**1,011,073**

Remarks: 1] Approved for maximum allowable capacity of 1,011,079 GPD (702.14 gpm). 2] Developer to install and maintain private odor traps in the public ROW outside of the property line and before the mainlines that adhere to standard plan S-112 for the 24-inch connections on Alameda St. BOE to confirm connection method. 3] Discharge as indicated in flow %s. 4] Flow from the sewer ejector on this form and any additional flow from sewer ejectors for this project shall be permitted only for fire suppression and emergency usage. 5] IWMD Permit required.

Scar Request Number: 6590

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http://engineering.lacity.gov

08/19/2025

JONATHAN WILLIAMSON
25152 SPRINGFIELD COURT SUITE 2050
SANTA CLARITA, CA, 91355

Dear Jonathan Williamson,

SEWER AVAILABILITY: 777 S Alameda St

The Bureau of Sanitation has reviewed your request of 06/21/2025 for sewer availability at **777 S ALAMEDA ST**. Based on their analysis, it has been determined on 08/19/2025 that there is capacity available to handle the anticipated discharge from your proposed project(s) as indicated in the attached copy of the Sewer Capacity Availability Request (SCAR) .

This determination is valid for 180 days from the date shown on the Sewer Capacity Availability request (SCAR) approved by the Bureau of Sanitation.

While there is hydraulic capacity available in the local sewer system at this time, availability of sewer treatment capacity will be determined at the Bureau of Engineering Public Counter upon presentation of this letter. A Sewer Connection Permit may also be obtained at the same counter provided treatment capacity is available at the time of application.

A Sewerage Facilities Charge is due on all new buildings constructed within the City. The amount of this charge will be determined when application is made for your building permit and the Bureau of Engineering has the opportunity to review the building plans. To facilitate this determination a preliminary set of plans should be submitted to Bureau of Engineering District Office, Public Counter.

Provision for a clean out structure and/or a sewer trap satisfactory to the Department of Building and Safety may be required as part of the sewer connection permit.

Lateral connection of development shall adhere to Bureau of Engineering Sewer Design Manual Section F 480. **If not listed in the Proposed Facility Description section of the SCAR, sewer ejector use is prohibited.**

Scar Request Number: 6590

Sincerely,

Customer

Central District, Bureau of Engineering

City of Los Angeles
Bureau of Engineering

SEWER CAPACITY AVAILABILITY REVIEW FEE (SCARF) - Frequently Asked Questions

SCAR stands for Sewer Capacity Availability Review that is performed by the Department of Public Works, Bureau of Sanitation. This review evaluates the existing sewer system to determine if there is adequate capacity to safely convey sewage from proposed development projects, proposed construction projects, proposed groundwater dewatering projects and proposed increases of sewage from existing facilities. The SCAR Fee (SCARF) recovers the cost, incurred by the City, in performing the review for any SCAR request that is expected to generate 10,000 gallons per day (gpd) of sewage.

The SCARF is based on the effort required to perform data collection and engineering analysis in completing a SCAR. A brief summary of that effort includes, but is not limited to, the following:

1. Research and trace sewer flow levels upstream and downstream of the point of connection.
2. Conduct field surveys to observe and record flow levels. Coordinate with maintenance staff to inspect sewer maintenance holes and conduct smoke and dye testing if necessary.
3. Review recent gauging data and in some cases closed circuit TV inspection (CCTV) videos.
4. Perform gauging and CCTV inspection if recent data is not available.
5. Research the project location area for other recently approved SCARs to evaluate the cumulated impact of all known SCARs on the sewer system.
6. Calculate the impact of the proposed additional sewage discharge on the existing sewer system as it will be impacted from the approved SCARs from Item 6 above. This includes tracing the cumulative impacts of all known SCARs, along with the subject SCAR, downstream to insure sufficient capacity exist throughout the system.
7. Correspond with the applicant for additional information and project and clarification as necessary.
8. Work with the applicant to find alternative sewer connection points and solutions if sufficient capacity does not exist at the desired point of connection.

Questions and Answers:

1. **When is the SCARF applied, or charged?**
   It applies to all applicants seeking a Sewer Capacity Availability Review (SCAR). SCARs are generally required for Sewer Facility Certificate applications exceeding 10,000 gpd, or request from a property owner seeking to increase their discharge thru their existing connection by 10,000 gpd or more, or any groundwater related prcject that discharges 10,000 gpd or more, or any proposed or future development for a prcject that could result in a discharge of 10,000 gpd.
2. **Why is the SCARF being charged now when it has not been in the past?**
   The City has seen a dramatic increase in the number of SCARs over 10,000 gpd in the last few years and has needed to increase its resources, i.e., staff and gauging efforts, to respond to them. The funds collected thru SCARF will help the City pay for these additional resources and will be paid by developers and property owners that receive the benefit from the SCAR effort.
3. **Where does the SCARF get paid?**
   The Department of Public Works, Bureau of Engineering (BOE) collects the fee at its public counters. Once the fee is paid then BOE prepares a SCAR request and forwards it to the BOS where it is reviewed and then returned to BOE. BOE then informs the applicant of the result. In some cases, BOS works directly with the applicant during the review of the SCAR to seek additional information and work out alternative solutions

Kimley»Horn

EXHIBIT 1
WATER SERVICE AREA MAP

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EXHIBIT 2
NAVIGATELA EXISTING SEWER MAP

NavigateLA Map

